

RYCO



Q RAM
RYCO ASSET MANAGEMENT SYSTEM

www.RYCO.com.au

RYCO. THE COMPANY.

RYCO Hydraulics started manufacturing hoses, fittings and filters in 1946. As the hydraulics industry evolved, the Company expanded its range and the main product line soon became high-pressure hydraulic hose and fittings.

RYCO Hydraulics' simple belief of "Higher Technology Equals Greater Performance" applies throughout the Company. The Company's research and development centres and testing facilities are dedicated to developing innovative products and pioneering new processes in fluid conveying systems technology. Our specialised equipment and technology enable us to manufacture our large range of products efficiently and cost effectively.

"HIGHER TECHNOLOGY EQUALS GREATER PERFORMANCE"

RYCO. MISSION STATEMENT.

Our Mission is to listen to our customers and deliver the highest quality and technologically superior fluid conveying connection products and solutions.

RYCO. COMPANY VISION.

Our vision is to be the premier supplier and service provider of choice in every market we participate in.

RYCO. THE QUALITY.

RYCO Hydraulics is certified to current version of ISO 9001 "Quality Management Systems - Requirements" by bsi. British Standards Institute (Certificate No. FS 604893). Company Policy is to supply products and services that meet or exceed our industry standards. These standards include SAE, EN (DIN), AS, ISO, JIS, BS and BCS. The bottom line in Quality Control (QC) & Quality Assurance (QA) is Customer Confidence & Customer Satisfaction.

OUR AIM IS ZERO DEFECTS

RYCO. PRODUCT IDENTIFICATION.

All RYCO Hydraulics products are clearly branded with a unique RYCO Hydraulics part number and batch code, where practical. In today's quality conscious world, RYCO's invaluable batch coding system takes traceability and customer assurance to new levels. Not everyone is an expert in thread identification. Time and money are often wasted identifying goods or despatching the wrong item. Using clearly branded RYCO products reduces the chance of error, saving you time and money.

IF IT'S NOT BRANDED - IT'S NOT RYCO

RYCO. WAREHOUSE & DISTRIBUTION.

At RYCO Hydraulics, we understand that when you need your product, you need it fast. Our network of warehouses and distributors gives the greatest product availability to our customers. Our comprehensive ordering and despatch system ensures that your orders are correct before leaving the warehouse.

WE PRIDE OURSELVES ON SHIPPING CORRECTLY

DISCLAIMER: We reserve the right to alter the design, or discontinue any of the company's products or services without notice. While every effort has been made to ensure the accuracy of the information contained in this publication, our Company Policy of continual research and product development necessitates changes and refinements which may not be reflected in the following pages. If in doubt, please contact your nearest sales office. Illustrations are not to scale, and are indicative only.

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RYCO TERMS OF SALE. Please refer to www.RYCO.com.au for RYCO's Terms of Sale.

INTRODUCTION

HOW TO USE THIS BOOK

HOW TO USE THE RYCO PRODUCT TECHNICAL MANUAL

This Product Technical Manual is divided into four colour coded sections; **Introduction**, **Hose**, **Couplings** and **Technical**.

A colour coded indicator tab on the edge of every right hand page aids finding and identifying each section.

On pages 4 and 5 is an **Alphanumeric Index** if you know the Part Number you're looking for, and pages 6 to 7 provide a Contents by Section that lists the product ranges each section contains.

In addition, each section contains a **Contents** and/or **Pictorial Index** as relevant to further aid you in finding the exact information you require. In addition to a Contents and Pictorial Index, the **Couplings** section also contains an **Index by Endstyle Number**.

IMPORTANT – DO NOT MIX AND MATCH PRODUCT

Hydraulic Hose from one manufacturer is usually not compatible with fittings supplied by another manufacturer.

It is the responsibility of the hose assembly fabricator to consult the manufacturer's written assembly instructions or the manufacturers directly before intermixing hose and fittings from two manufacturers. Similarly, assembly equipment from one manufacturer is usually not interchangeable with that of another manufacturer. It is the responsibility of the hose assembly fabricator to consult the manufacturer's written instructions or the manufacturers directly for the proper assembly equipment. Always follow the manufacturer's instructions for proper preparation and fabrication of hose assemblies.



SAFETY GUIDE

FOR THE SELECTION AND USE OF HOSE, FITTINGS AND RELATED ACCESSORIES

Failure or improper selection or improper use of hose, fittings, or related accessories can cause death, personal injury and property damage. Possible consequences of failure or improper selection or improper use of hose, fittings, or related accessories include, but are not limited to:

- Fittings blown off at high speed.
- High velocity fluid discharge.
- Explosion, or burning, of the conveyed fluid.
- Electrocution from high voltage electric power lines or other sources of electricity.
- Contact with suddenly moving, or falling, objects that are held in position, or moved, by conveyed fluid.
- Injections by high-pressure fluid discharge.
- Dangerously whipping hose.
- Contact with conveyed fluids that may be hot, cold, toxic or otherwise injurious.
- Sparking or explosion caused by static electricity build-up.
- Sparking, or explosion, while spraying paint or other flammable liquid.

THE COMPANY

An Australian-owned company, RYCO has built a strong reputation since it commenced manufacturing of hydraulic hose and fittings in Melbourne, Australia back in 1946.

Engineering excellence, customer-focus and highest quality products continue to attract new customers, from varied industries right across the world.

RYCO Research & Development centres are dedicated to improving product and pioneering new technologies and processes in fluid conveying systems. RYCO quality range of hydraulic hose and fittings is supported by a network of loyal and committed distributors across the world.

RYCO products supplied to a wide range of industries including mining, construction, utilities, defence, marine, oil & gas, OEMs and more. RYCO continue to expand its product range to meet growing needs of worldwide hydraulic industry.

GLOBAL RESOURCES

In today's competitive international business environment, the requirements for suppliers and customers to work closely together are greater than ever before.

RYCO has expanded its horizons and developed its manufacturing and distribution business on a global scale, working with industries in diverse sectors. RYCO has offices and warehouses strategically placed in Europe, Africa, China, New Zealand, South and North America and fully Quality Accredited manufacturing centres in Australia, China and Malaysia.

With such an extensive global footprint, RYCO can ensure quality product is delivered to our customers, whenever and wherever required.



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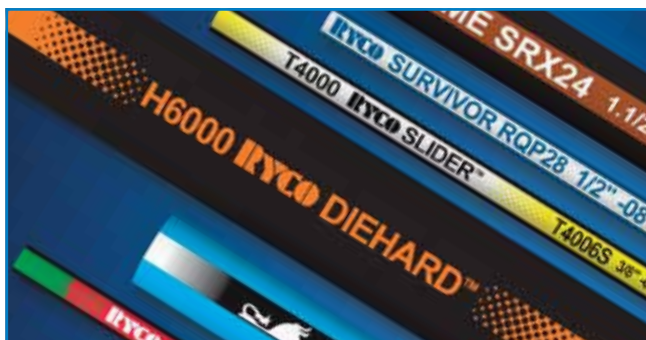
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RYCO QUALITY, SAFETY AND ENVIRONMENTAL POLICIES

RYCO's mission is to exceed our customers', shareholders, stakeholders' and employee expectations through continuous improvement.

We are driven by innovation, teamwork and the integrity of our people whilst embracing community, cultural and Quality, Environmental and Health and Safety (QEHS) awareness. RYCO achieve this objective through the integration of the QEHS Management System into day-to-day operations of all of the company's facilities.

WE ARE DRIVEN BY INNOVATION, TEAMWORK AND THE INTEGRITY OF OUR PEOPLE.

INTRODUCTION

ABOUT RYCO – POLICIES

QUALITY POLICY

RYCO specialises in the design, manufacture, distribution and sales of a comprehensive range of high pressure hydraulic hoses and fittings. The Company operates on a global scale and its products service a wide range of industrial applications.

Since 1946 RYCO has established an enviable reputation for expertise, service, quality and delivery.

RYCO's Mission is to exceed our customers', shareholders', suppliers' and employees' expectations through continuous improvement driven by innovation, teamwork and the integrity of our people whilst embracing community, cultural and environmental awareness.

RYCO's Quality system and policy requires compliance with applicable industry standards, statutory regulations, world best practice philosophy, value added processes, service and efficiency.

RYCO Management shall ensure that suitable infrastructure and resources are provided and utilised to guarantee Quality is not compromised.

Quality is the responsibility of all RYCO personnel.

The RYCO Quality System is based on "ISO 9001, Quality Management Systems - Requirements".



QUALITY IS THE RESPONSIBILITY OF ALL RYCO PERSONNEL.

OCCUPATIONAL HEALTH AND SAFETY POLICY

RYCO specialises in the design, manufacture and sales of a comprehensive range of high pressure hydraulic hoses and fittings. The Company operates on a global scale and its products service a wide range of industrial applications.

RYCO is committed to protecting the health and safety of employees, contractors, visitors and the general public in the workplace. RYCO shall fulfil this commitment through a health and safety management system that is integrated with RYCO's business activities related to products, services and people.

RYCO employees, contractors and visitors have a duty of care to take reasonable care for their own health and safety and for the health and safety of persons who may be affected by their actions and inactions in the workplace.

RYCO will take reasonably practical steps to improve workplace health and safety conditions and to prevent injury and illness to its employees, contractors, visitors and the general public.

This Policy applies to RYCO fixed and mobile workplaces and persons attending those workplaces. This Policy will be reviewed from time to time for Continuous Improvement, changes to legislation, industry best practices and policy directions within RYCO.



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ENVIRONMENTAL POLICY

RYCO specialises in the design, manufacture and sales of a comprehensive range of high pressure hydraulic hoses and fittings. The Company operates on a global scale and its products service a wide range of industrial applications.

RYCO is committed to compliance with applicable environmental legislation, regulations and any other requirements to which RYCO subscribes.

RYCO operates a program of continual improvement in environmental performance and pollution prevention, aiming to minimise the environmental impacts resulting from relevant activities.

This Policy applies to RYCO fixed and mobile workplaces and persons attending those workplaces. This Policy will be reviewed from time to time for Continuous Improvement, changes to legislation, industry best practices and policy directions within RYCO.



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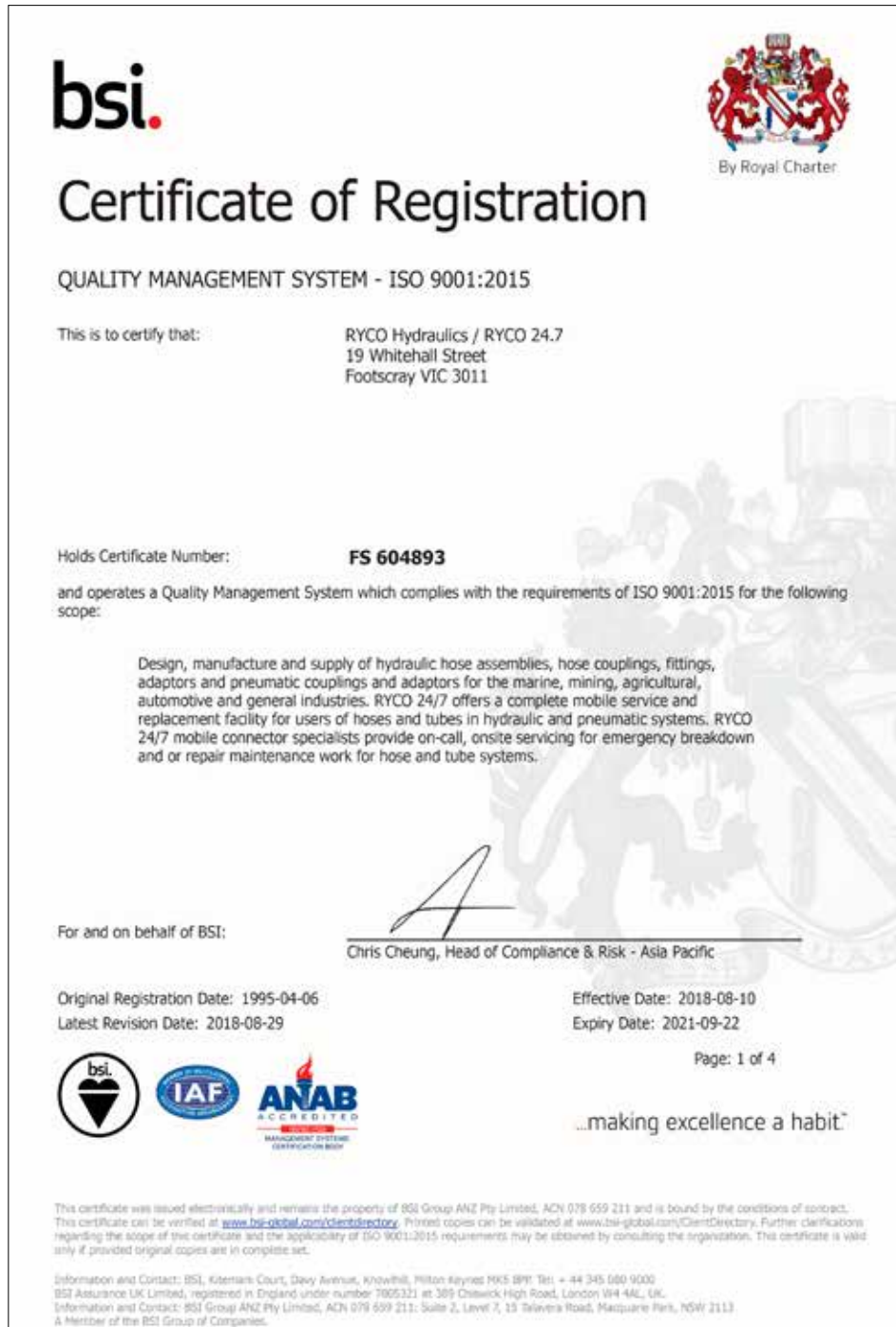
ABOUT RYCO – QUALITY ACCREDITATION

RYCO QUALITY ACCREDITATION


RYCO Hydraulics is certified to current version of ISO 9001 “**Quality Management Systems - Requirements**” by bsi. British Standards Institute (Certificate No. FS 604893). Company Policy is to supply products and services that meet or exceed our industry standards.

These standards include SAE, EN (DIN), AS, ISO, JIS, BS and BCS.

The bottom line in Quality Control (QC) & Quality Assurance (QA) is Customer Confidence & Customer Satisfaction.



bsi.



By Royal Charter

Certificate of Registration


QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that: **RYCO Hydraulics / RYCO 24.7**
19 Whitehall Street
Footscray VIC 3011

Holds Certificate Number: **FS 604893**


and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope:

Design, manufacture and supply of hydraulic hose assemblies, hose couplings, fittings, adaptors and pneumatic couplings and adaptors for the marine, mining, agricultural, automotive and general industries. RYCO 24/7 offers a complete mobile service and replacement facility for users of hoses and tubes in hydraulic and pneumatic systems. RYCO 24/7 mobile connector specialists provide on-call, onsite servicing for emergency breakdown and or repair maintenance work for hose and tube systems.

For and on behalf of BSI: 
Chris Cheung, Head of Compliance & Risk - Asia Pacific

Original Registration Date: 1995-04-06 Effective Date: 2018-08-10
Latest Revision Date: 2018-08-29 Expiry Date: 2021-09-22

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...making excellence a habit.™

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Information and Contact: BSI, Kibetani Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PY. Tel: +44 345 080 9000
BSI Assurance UK Limited, registered in England under number 7005321 at 389 Chiswick High Road, London W4 4AL, UK.
Information and Contact: BSI Group ANZ Pty Limited, ACN 079 659 211; Suite 2, Level 7, 13 Telviera Road, Macquarie Park, NSW 2113
A Member of the BSI Group of Companies.



- ✓ ISO 9001: Quality
- ✓ ISO 14001: Environment
- ✓ OHSAS 18001: Safety

AS/NZS ISO 9001
A Company Policy.

COMMITTED TO CONTINUAL IMPROVEMENT

RYCO QUALITY ACCREDITATION

RYCO Hydraulics is committed to the objective of zero defects.

As a manufacturer of quality hydraulic hose and fittings, RYCO Hydraulics ensures that our products are accredited by independent third party organisations.



ABS
American Bureau of Shipping



DNV-GL
DNV GL Group



LR
Lloyd's Register



MED
Marine Equipment Directive



USCG
US Coast Guard



DOT
Dept. of Transport (USA)



GOST-R
GOST-R



BUREAU VERITAS
Bureau Veritas



RINA
Registro Italiano Navale



KR
Korean Register



CLASSNK
Nippon Kaiji Kyokai



MDG 41
Mining Design Guide

RYCO Hydraulics recommends SAE J1273 as a guide to the selection, manufacture, installation and servicing of hydraulic hose assemblies. RYCO Hydraulics complies with and exceeds third party accreditations as well as international ISO and EN (DIN) standards.

RYCO Hydraulics specifically design and manufacture hydraulic hose and fittings to “match” each other for greater performance and safety. Use only hose assemblies that consist of RYCO “matched” hydraulic hose with RYCO “matched” fittings.

RYCO Hydraulics testing and evaluation processes guarantee the performance and quality required to meet the demands of today's applications to safely convey fluids at high pressure.

RYCO Hydraulics are proud members of, and contribute to, the world's main industry groups including:

- MSHA** U.S. Department of Labor, Mine Safety and Health Administration
- NAHAD** National Association of Hose and Accessories Distributors (USA)
- MA-KA** Mining Products Safety Approval and Certification (China)
- BSI** British Standard Initiative (AS/NZS ISO 9001)
- NFPA** National Fluid Power Association (USA)
- RMA** Rubber Manufacturers Association
- ABS** American Bureau of Shipping
- MED** Marine Equipment Directive
- AGA** Australian Gas Association
- MDG 41** Mining Design Guide
- SAE** SAE International
- LR** Lloyd's Register
- USCG** US Coast Guard
- KR** Korean Register
- DNV-GL** DNV GL Group

**RYCO HYDRAULICS COMPLIES WITH
SAE J343, SAEJ517, AS3791
STANDARDS AND WITH THE RELEVANT
ISO, EN, BS AND DIN STANDARDS**

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OEM SUPPORT

We understand that our success is dependent upon our clients' success.

- ✓ Comprehensive engineering solutions
- ✓ QRAM - RYCO Asset Management
- ✓ Vendor managed stock
- ✓ Cost reduction programs
- ✓ Kanban supply
- ✓ JIT deliveries
- ✓ Reliable despatch

In today's competitive international business environment, the requirements for suppliers and clients to work closely together is greater than ever before. At RYCO we do more than simply supply our product; we listen to our clients as we understand that our success is dependent upon our clients' success.

We actively work with our clients; connecting partnerships across our broad range of services. In partnership we implement and support cost reduction programs, comprehensive engineering solutions, hose management systems, vendor managed stock, Kanban supply, JIT deliveries, asset management systems and reliable despatch; all of which combine to give higher technology and greater performance to our clients.

Our hydraulics technology and professional expertise is regularly required to solve problems arising from the often unique applications of our clients. The experience and knowledge gained from involvement in these special applications increase our service levels so we can provide a superior service to our clients.

Whether you are a manufacturer involved in the worldwide export market, a mining operation in a remote location, or a local distributor, talk to RYCO about "Connecting Partnerships" to enhance your business.

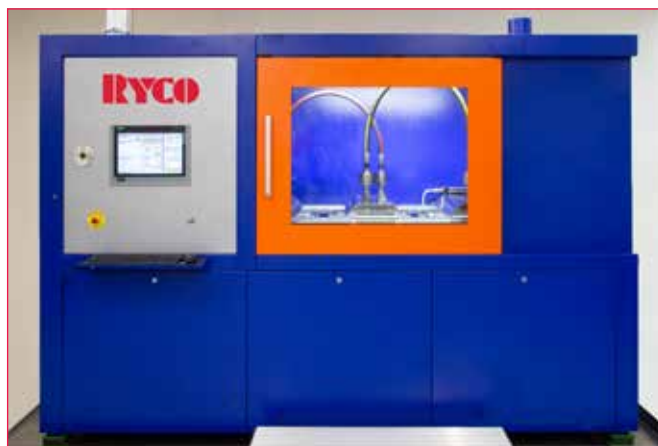




PRODUCTION

RYCO owns and operates manufacturing facilities in Australia, Malaysia and China, producing a complete range of hydraulic hose and fittings for the world market.

Due to our continuous improvement and investment program, and our specialised equipment and technology, we are able to manufacture a large range of hose and fittings efficiently and cost effectively. Our focus on production development and flexible manufacturing systems guarantee that we continually increase production levels and standards.



QUALITY

Improved safety and risk management are of prime concern in today's industries. RYCO design hydraulic hose and fittings that MATCH, enabling RYCO hose assemblies to exceed SAE or EN/DIN performance requirements.

RYCO is certified to ISO 9001: 2015 "Quality Management Systems – Requirements" by bsi - British Standards Institution (bsi – Certificate No. FS 604893) and ISO 9002 "Quality Systems for Production and Installation" by the Department of Defence (Australia).



INNOVATION

RYCO's commitment to Innovation and Continuous Improvement ensures that we can deliver tomorrow's solutions today. We believe that our global strength in Engineering, Innovation and product development provide our customers a higher level of service and solutions that are unparalleled in the industry.

SERVICE

A key service to our OEM customers is the onsite pre-production fluid routing service provided by RYCO 24•7 Mobile Connector Specialists.

RYCO 24•7 has extensive coverage specialising in mobile hydraulic hose, fittings, service and replacement 24 hours a day, 7 days a week.

RYCO 24•7 actively supports and services national contracts and Original Equipment Manufacturers (OEM) in industries covering the mining, agriculture, marine, construction, defence and industrial market sectors.



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ABOUT RYCO - MINING



RYCO IS A SPECIALIST SUPPLIER OF HYDRAULIC HOSE AND FITTINGS TO THE MINING INDUSTRY WITH OVER 50 YEARS OF EXPERIENCE.



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RYCO KNOW HOW

RYCO is a specialist supplier of hydraulic hose and fittings to the mining industry with over 70 years experience. Whether it is for heavy off-road mining vehicles, underground mining equipment at the coal face, lifting buckets of ore, or shifting mountains of overburden, you will find RYCO products hard at work.

RYCO has offices around the world and is committed to long term support of the resource industry on a global scale. **“Our People Are Our Greatest Asset”**. Dynamic and dedicated our teams bring together the best and most experienced people in the industry.

The focus is to continually improve on our current business activities and ensure we offer quality, technology and service to the resource industry, with safety being our prime objective.

MINING

In today’s competitive international business environment the requirement for suppliers and clients to work closely together is greater than ever before; particularly in the resource industry. At RYCO we do more than simply supply a product; we understand that our success is dependent on our client’s success, safety and quality.

Our teams of field engineers pro actively work with our clients **“Connecting Partnerships”** across a broad scope of services to provide complete port to port solutions. The resulting fluid connection systems are designed to work. They are reliable. They are safe and can operate at their maximum potential.

RYCO is a solution based supplier providing our clients with a complete range of services including; on-time delivery; solving difficult engineering problems; cost reduction activities; on-site hose management systems and asset management. Many mining operations around the globe rely on RYCO’s extensive knowledge of the mining industry and RYCO’s large range of services to deliver them substantial cost reduction benefits.

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ABOUT RYCO – MDG-41 AND MDG-15 SAFE



MDG 41

MDG 41 is a document which was created in response to an increasing number of incidents involving high-pressure fluid injection injuries on mine sites. In response to this, the NSW Department of Primary Industries (DPI) established a joint committee with involvement from the Mining Industry, Equipment Manufacturers, Repairers, and Suppliers of Fluid Power components in order to formulate a 'best practice' document. The result is Mechanical Design Guideline Number 41 (MDG 41).

The Mechanical Design Guidelines are a series of tools to assist companies in achieving compliance with the OH&S Act and Regulations through implementing industry best practices. We all have a duty of care to assess the hazards in the workplace and to implement systems and programs in order to eliminate or minimise the risk they present.

These documents prompt the review of many areas in fluid power systems that may present a risk and sets out guidelines of how they should be addressed using 'best industry practice'.

RYCO have a commitment to OH&S and the MDG's, and as such have developed products and strategies to assist our customers in understanding the requirements of the guideline. We can assist you to adopt the recommended practices outlined in MDG 41 and MDG 15.

MDG 15

MDG 15 is a guideline for all mobile or transportable plant used at mines, and refers to MDG 41 for fluid power systems. It has further requirements in relation to the routing of hosing.

MATCHED SYSTEM MDG 41 - CLAUSE 1.5.14

A matched hose assembly is where the hose and fittings (insert/ferrule) are designed, manufactured and routinely tested to match up to a particular manufacturer's hose type. In this case both (hose and fitting) are assembled and crimped using the methods as specified by the designer, meet the tolerance specified by the designer and have been tested as a hose assembly, at the maximum tolerance, to the specified standards.

MATCHED SOLUTIONS

Today's hydraulic systems are required to withstand tremendous pressures. This means that the attachment of a fitting to the end of a hose becomes more critical. This may be a simple operation, but it is a complex engineering solution.

International Hose standards specify a set of materials and tolerances, such as internal and external dimensions and reinforcement types and patterns. The reality is that while these standards are adhered to by all manufacturers, the tolerances themselves are so broad that if the entire allowable tolerance was used in manufacturing, users would encounter a high failure rate due to hose and fitting tolerance mismatching. High quality hose manufacturers have to adopt their own tolerance limits which are often at least half of the allowed range.

This is where "Mixing and Matching" becomes an issue: Component manufacturer 'A' could produce parts on the lower limits of the tolerance, and manufacturer 'B' is on the upper end of the tolerance. If a fitting from 'B' was put on a hose from 'A' at the specified crimp diameter of 'B', there would be little chance of adequate fitting retention, which would most likely result in failure. Similarly if a fitting from 'A' was assembled to a hose from 'B' the likelihood is that the inner tube of the hose would be over-compressed or the hose reinforcement could be cut, again resulting in premature failure.

MDG 41 stipulates hose assemblies shall only be carried out using "Matched Hose and Fittings" (MDG 41 Clause 3.8.7.1j). MDG 41 defines a "Matched System" as "the hose and fittings (insert/ferrule) are designed, manufactured and routinely tested to match up to a particular manufacturer's hose type. In this case both (hose and fitting) are assembled and crimped using the methods as specified by the designer, meet the tolerance specified by the designer and have been tested as a hose assembly, at the maximum tolerance, to the specified standards." (MDG 41 Clause 1.5.14).

Suppliers of manufactured hydraulic hose assemblies must be able to guarantee that the hose and fittings used are matched. RYCO products provide our customers with a matched system. Our design teams create and stringently test the hoses and fittings together to ensure optimum performance and reliability. All this is achieved using RYCO's assembly methods which are reliable and easy to follow.



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HOSE ENDS MDG 41 - CLAUSE 3.8.6.1

Hose ends should not be interchanged and should be properly matched to the hose based on proven type test result. Note: Only select hose fittings compatible for the hose application.



- RYCO branded
- Individual part number
- Batch numbered
- Matched to hose
- Series code grooves



COMPETENCE MDG 41 CLAUSE - 3.8.9

People fabricating hose assemblies should be competent and trained in the proper use of equipment, materials, assembly procedures and testing. People should be assessed in their competence for hose assembly and the assessment should be recorded.

SAFETY SOLUTIONS

Our team of experienced engineering personnel can provide a engineering solution to suit your needs. Whether it's a simple question of product application, or the supply contract to multiple mine sites, we have the knowledge, experience and products to give you the most complete solution to your needs.

Experience is a very important quality in a supplier. The experience that RYCO has gained in many industries is a tangible asset, and one that keeps customer's coming back to us, because, like you, we've been out there working. The chances are that we've already supplied to someone who had exactly the same need for a solution as you, and that we've already helped someone else find that solution. "That's experience".

RYCO is aware of its responsibility to you the customer. We understand that the supply of our product does not finish with the goods being shipped.

Hydraulic hose assemblies can present a very real danger if misapplied. We understand this, and can provide you with the competence based training ensuring that you have the methods, products and knowledge to manufacture a matched hydraulic hose assembly each and every time.

RESEARCH

RYCO is a specialist supplier of hydraulic hose and fittings to the mining industry; heavy-duty mining requires heavy-duty product. RYCO is constantly working together with the mining industry to research and develop new technologies and solutions to your specific hydraulic requirements. MDG 41 is just one of these solutions.

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ABOUT RYCO – INNOVATION

INNOVATION

RYCO's commitment to Innovation and Continuous Improvement ensure that we can deliver tomorrow's solutions today. We believe that our global strength in Engineering, Innovation and product development provide our customers a high level of service and solutions unparalleled in the industry.

RYCO's Global Research and Development test facilities give our design teams the platform they require to continually improve our products to surpass the performance requirements as demanded by our customers and industry standards.

RYCO's product range is continually expanding and evolving, providing improved efficiency, higher working pressures and increased safety standards.

We design our product for tomorrow's requirements, today.

RYCO's Technology makes us a leader in our industry. Our policy of high investment in technology ensures that we not only maintain our position in the industry, but also continually improve and develop products that surpass industry standards.

We continually enhance our Hydraulic Hose Specifications as we introduce new technical developments.

RYCO's Coupling technology and higher performing ISOBARIC hose families make our matched assemblies a world leader in performance, efficiency and safety.

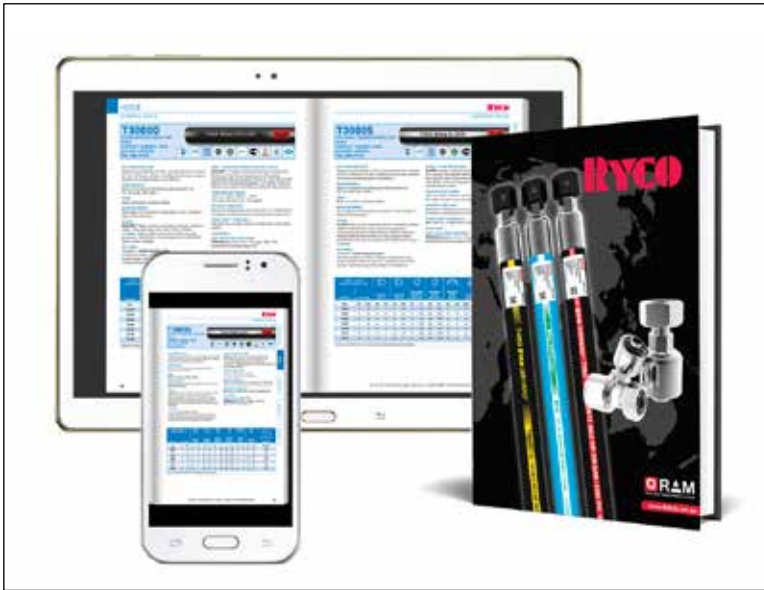
RYCO's extensive testing process of hydraulic hose, fittings and assemblies is crucial to deliver accredited and proven product quality.

WE DESIGN OUR PRODUCT FOR TOMORROW'S REQUIREMENTS, TODAY.



RYCO Headquarters, Australia.

TRAINING



RYCO offers a broad range of modular training solutions to meet the needs of the hydraulic industry.

With safety a priority RYCO training equips you with the knowledge and confidence you need .

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RYCO's commitment is to continually improve our services to you, our partners.

We understand that training is an essential part of your business. We strive to provide the best in the industry.



RYCO is a specialist supplier of hydraulic hose and fittings with over 70 years experience.

RYCO training equips you with the knowledge and the confidence you need, and the KNOW HOW to back it up.

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ABOUT RYCO – SERVICES AND SUPPORT

GRAM - RYCO ASSET MANAGEMENT SYSTEM



GRAM is RYCO's innovative asset management system for tracking and easily identifying assets in any geographical location. QRAM provides customers with:

- ✓ Global asset tracking across desktop, tablet and mobile devices
- ✓ Improved customer retention through aftermarket sales and ease of supply
- ✓ 100% accuracy and speed to market
- ✓ Complete bill of materials and manufacturing processes
- ✓ Visibility of the assets, including test certificates, engineering drawings and installation images



One Scan. Endless Possibilities

GRAM can be securely accessed anywhere, anytime by using compatible mobile or desktop devices connected to the internet.

GRAM can record the position of your asset within a circuit of the machine. For example, you may place an asset in the 'Front Left Steering Circuit'.

An increase in your customers equipment utilisation can be achieved with QRAM's asset auditing and preventative maintenance features.



Bringing Your Customer Back to You:

- Customer Retention
- Scan to Sale
- Aftermarket Sales
- 24/7 Ordering Service
- Proactive Asset Auditing

HALP® - HOSE ASSEMBLY LIFESPAN PREDICTOR

Hose Assembly Lifespan Predictor is part of the QRAM system, an online program that predicts the lifespan of hose assemblies for given conditions and environments.



RYCO HALP® aids in determining the optimum time to carry out preventative maintenance and replace hose assemblies before they fail.

By being proactive HALP® assists in risk management and helps to prevent fluid injection injuries.



RYCO HALP® incorporates a database of hose assemblies, tracking their components and machine locations.

When coupled with predictive technology, HALP® keeps you on track with scheduled hose maintenance.



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RYCO 24•7



RYCO 24.7

RYCO 24•7 operators are equipped with local knowledge and industry experience. All operators are trained with national accreditation providing you with confidence in the services of our technicians and products.

RYCO 24•7 mobiles are now servicing your local region, supported by quality RYCO product.



RYCO 24.7 - MOBILE HOSE AND FITTING SERVICE

During 70 years of business, RYCO has increased its market coverage by establishing RYCO 24.7 Service Centres, Mobile Connector Specialists and Onsite Container Workshops in several countries around the world.

Today RYCO 24.7 has extensive coverage specialising in mobile hydraulic hose, fittings, service and replacement 24 hours a day, 7 days a week. RYCO 24.7 actively supports and services national contracts and Original Equipment Manufacturers (OEM) in industries covering mining, agriculture, marine, construction, defence and industrial markets.

With the continued support of RYCO Hydraulics, being a leading manufacturer of hydraulic hose and fittings we offer a network of RYCO 24.7 Service Centres, Mobile Connector Specialists and Onsite Container Workshops for the emergency break down, programmed maintenance, OEM support, installation and aftermarket business.

RYCO 24.7 MISSION STATEMENT

Our Mission is to listen to our customers and deliver the highest quality and technologically superior fluid conveying connection products and solutions.

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ABOUT RYCO – SERVICES AND SUPPORT



✓ **Increase productivity and profitability**

✓ **Extensive training & support**

✓ **Ensures minimal downtime**

✓ **Set-up to suit specific site requirements**

✓ **Onsite container workshop and inventory storage**

✓ **Ideal for remote locations, fully relocatable**

RYCO 24•7 SERVICES

RYCO 24•7 offers a comprehensive service for the hydraulic industry with emergency break down, programmed maintenance, Original Equipment Manufacturer support, installation and aftermarket business. Our professionally trained and dedicated teams are on call 24 hours a day, 7 days a week offering expert technical support for all types of hydraulic systems.

Whether it is mining, marine, agriculture, defence, construction, industrial or utilities the team at RYCO 24•7 will be on hand, anywhere, anytime, to offer you professional assistance.

RYCO 24•7 Service Centres, Mobile Connector Specialists and Onsite Container Workshops offer extensive multi-national contract and Original Equipment Manufacturer support through the development of hose assembly design, configuration, installation and aftersales service.

Quite often hose assembly plumbing can be an afterthought when designing complex hydraulic systems. With RYCO 24•7 support, our technical teams have the knowledge to assist with efficient and effective port to port solutions in the early stages of system design.

With comprehensive product and system knowledge, RYCO 24•7 technicians can be an integral partner in developing a marketing leading product including efficiency in system performance, warranty reduction and aftersales service.

Also, RYCO 24•7 has developed a new range of onsite hose assembly workshops and product storage containers. Ideal solution for remote mining locations, construction sites, offshore and large manufacturing sites.

ONSITE HOSE CONTAINERS

As part of the ongoing focus on customer service, RYCO 24•7 has developed a new range of onsite hose assembly workshops and product storage containers. The RYCO 24•7 containers are an ideal solution for remote mining locations, construction sites, offshore and large manufacturing sites. See the RYCO 24•7 website for your nearest Service Centre or contact RYCO direct for assistance.

HYDRAULIC HOSE AND COUPLING TOLERANCING

A common misconception is that **IF** a coupling matches to a hose that meets SAE or EN (DIN) specification **THEN** that coupling will match with **ALL** hydraulic hoses that meet that specification. Conversely, **IF** a hose that meets SAE or EN (DIN) specification matches to a coupling **THEN** that hose will match with **ALL** couplings made for hoses within that specification. **THIS IS SIMPLY NOT TRUE.**

As stated in SAE J517, the specification for Hydraulic Hose:

"SAE J517 HOSE FROM ONE MANUFACTURER IS USUALLY NOT COMPATIBLE WITH SAE J516 CONNECTORS SUPPLIED BY ANOTHER MANUFACTURER. IT IS THE RESPONSIBILITY OF THE (HOSE ASSEMBLY) FABRICATOR TO CONSULT THE MANUFACTURER'S WRITTEN INSTRUCTIONS OR THE MANUFACTURERS DIRECTLY BEFORE INTERMIXING HOSE AND CONNECTORS FROM TWO MANUFACTURERS".

There are various societies and organisations that develop specifications for Hydraulic Hose. The major ones are:

- SAE** The Society of Automotive Engineers
- EN** European Normes (based on the former DIN German standards)
- ISO** International Organization for Standardization
- AS** Australian Standards

These standards cover the performance specifications and dimensional tolerances of Hydraulic Hose.

SAE dimensional tolerances are the most widely used. EN, ISO and AS dimensional tolerances are similar to the corresponding SAE standard. Therefore, it is generally possible to meet the dimensional tolerances of these standards with a single series of hose. In the main, EN (DIN) standards have higher working pressures than their corresponding SAE standards.

Dimensional tolerances of these standards are quite broad. Hoses not manufactured to tight tolerance control may still meet these standards, but will perform poorly due to compression variations and will have assembly difficulties. This is not commonly understood. Hence, the common misconception stated above.

RYCO Hydraulics has its own **HYDRAULIC HOSE SPECIFICATION**. **RYCO** dimensional tolerances are much tighter than SAE or EN, and often have higher maximum working pressures.

Close tolerancing enables **RYCO** to provide higher performance Hydraulic Hose. **RYCO** Couplings are designed to match technically superior **RYCO** Hydraulic Hose. Superior technology gives **SAFER, STRONGER AND LONGER LASTING HOSE ASSEMBLIES**.

DO NOT MIX/MATCH HOSE AND COUPLINGS FROM ONE MANUFACTURER WITH HOSE AND COUPLINGS FROM ANOTHER MANUFACTURER.



RYCO HOSE IS MATCHED TO RYCO COUPLINGS

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RYCO EXPERIENCE

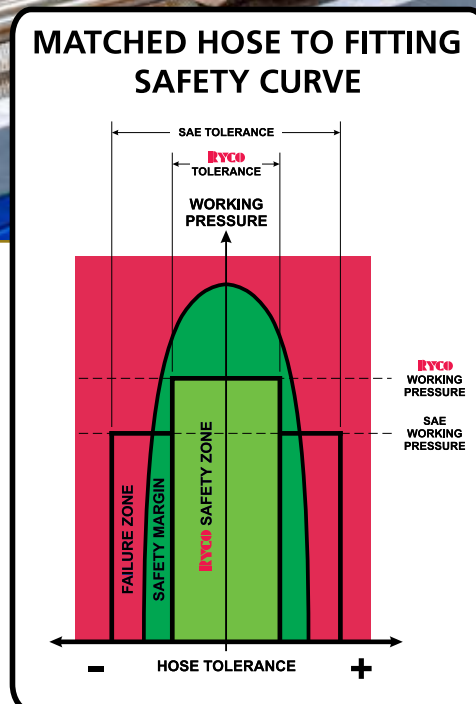
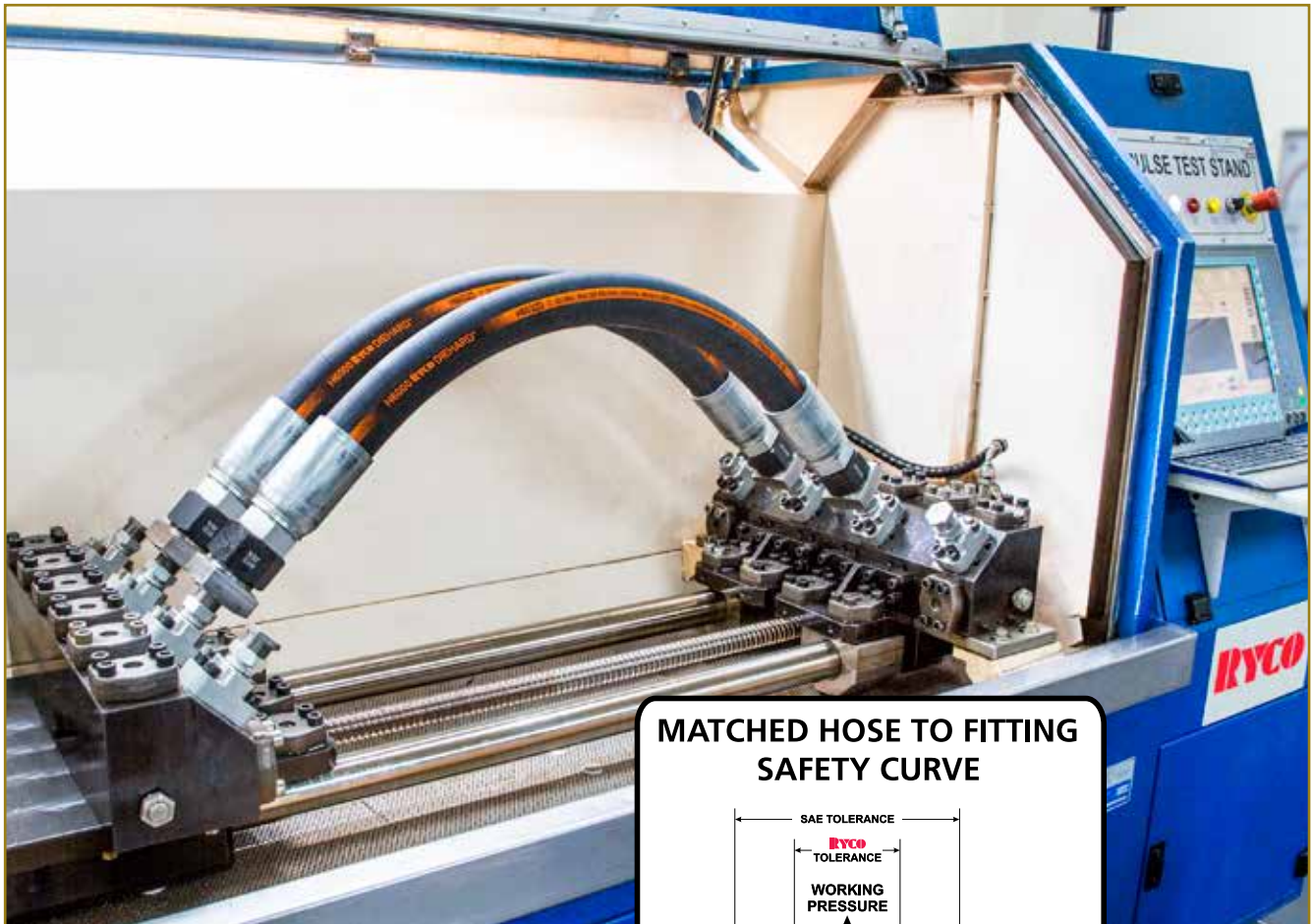
RYCO SAFETY ZONE

The RYCO SAFETY ZONE provides an increased margin of operational safety when using RYCO matched hose and fittings.

Hose tolerance bands for Hose Bore, Reinforcement Diameter, Braid Wall, Cover Thickness and Concentricity of RYCO hoses are typically half the tolerance specified by SAE and EN/DIN standards.

All hoses and all fittings are not equal, "RYCO fittings are designed, matched and qualified for use with RYCO hose."

All RYCO hydraulic hose and fittings are designed and manufactured to meet and exceed relevant industry standards. RYCO produces hydraulic hose that is dimensionally consistent and when matched with RYCO fittings, results in increased safety and performance.



**SAFETY SAYS
"DO NOT MIX 'N' MATCH OR ELSE PAY THE PRICE!"**

IMPORTANT INFORMATION: HOSE COUPLING PART NUMBER CHANGES

RYCO's dedication to customer service is paramount. That's why we are constantly expanding our range of hose couplings to meet all of your application needs. In 2012, RYCO updated and improved the part numbering system, which was seamlessly integrated across the product range.

This new part numbering system entailed adding an extra numeric character to 2-digit end style (thread/connector termination) codes, and converting most alpha-numeric end styles to a 3-digit code. The exceptions to this rule are the following:

"N" will remain in the end style coding where "N" currently represents NPT or NPSM

"S" will replace current "SS" in the end style coding where "SS" currently represents Stainless Steel material

"B" will remain in the end style coding where "B" currently represents Brass material.

To maintain high levels of Customer Service, traceability and accurate product identification, for many years RYCO has been branding both ferrules and inserts of hose couplings. RYCO will continue to provide this level of detail on hose couplings (including ferrules and inserts) bearing the new part numbering format. There will be no change to the identification grooves that currently exist, except for those new hose coupling series' for which the basic markings/branding are represented on the graphics herein and in the RYCO Crimp Chart.

The basic nomenclature for identifying New to Previous hose coupling series' is as follows:

| ONE-PIECE COUPLING SERIES | |
|---------------------------|------------|
| NEW | PREVIOUS |
| Series | Series |
| T2000 | T200 |
| T4000 | T400 |
| T6000 | - |
| T7000 | T700 |
| TP000 | - |
| TG000 | - |
| TT000 | 1100/RT00* |
| TW000 | - |

| FIELD-ATTACHABLE AND PUSH-ON COUPLING SERIES | | | |
|--|--------|----------------------|--------|
| NEW | | PREVIOUS | |
| Coupling/ Ferrule | Insert | Coupling/ Ferrule | Insert |
| 8000 | - | 800 | - |
| 33000 | - | 3300 | - |
| K000 | 6000 | K00 | 600 |
| L000 | 6000 | L00 | 600 |
| M000 | 6000 | 400 | 600 |
| P000 | 6000 | - | - |
| V000 | 6000 | V00 | 600 |

It should be noted that the following remain identical for a coupling branded with the new part numbering convention and its equivalent part branded with the previous part numbering convention:

- assembly parameters (crimp diameters, mark length and skive lengths)
- performance
- design
- scope of application.

In addition to the hose coupling part numbering change, the following applies:

- The part number change was effective as of the January 2013.
- Parts supplied under the new part number may reflect previous part number branding
- Both new and previous couplings series are matched to the same range of RYCO hoses as listed in current RYCO literature (unless otherwise stated), and should be assembled as per the current RYCO Crimp Chart
- Thread/Connector and Hose Dash Size numbering remains unchanged.

INTRODUCTION

DASH SIZE PART NUMBERING

One of the many, well recognised advantages of RYCO Hydraulics products is that virtually all parts are branded with the RYCO name and Part Number, making for easy identification and reducing the chance for errors.

The Part Number includes the Size of the Hose, or Thread or Connector ("Dash Size Part Numbering").

ESSENTIALLY:

IMPERIAL DIMENSIONS are expressed as the number of SIXTEENTHS of an inch.

METRIC DIMENSIONS are expressed as the number of MILLIMETRES.

Further explanation is given on the following pages.

FOR EXAMPLE:

1. **T26D** is T2D Series two wire braid non-skive hose:

-6 = $6/16'' = 3/8''$ inside diameter.

2. **T2040-0812** is a T2040 JSEAL™ Coupling with:

Hose Size -08 = $8/16'' = 1/2''$

Thread Size -12 = $12/16'' = 3/4''$

3. **M75S-2208** is an M75S Adaptor with:

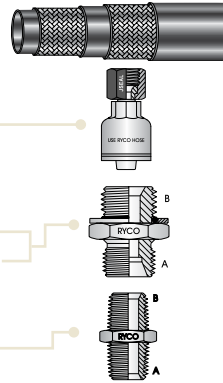
Thread A -22 = 22 mm Metric thread one end and

Thread B -08 = $8/16'' = 1/2''$ BSPP thread other end.

4. **S27-0202**

S27 is BSPT Male Nipple Series

-0202 is size $1/8''$ by $1/8''$.



The size is clearly incorporated in the Part Number.

With a little familiarity, and by following the simple guidelines on the next pages, you will find that you can specify Part Numbers without needing to refer to the Product Technical Manual.

| NPT | | | | T2090 | | | |
|-----------|-----------|-----------|------------|------------|---------|---------|--|
| | | | | | | | |
| 60° SEAT | | | | | | | |
| HOSE SIZE | THRD SIZE | DASH SIZE | MALE HEX | NPT MALE | | | |
| DN | inch | inch | HM-SPANNER | PART NO | Ca | L | |
| | inch | | inch mm | | inch mm | inch mm | |
| 5 | 3/16 | 1/8 | -0302 1/2 | T2090-0302 | 0.91 23 | 1.65 42 | |
| 5 | 3/16 | 1/4 | -0304 9/16 | T2090-0304 | 1.14 29 | 1.93 49 | |
| 6 | 1/4 | 1/8 | -0402 1/2 | T2090-0402 | 1.10 28 | 2.13 54 | |
| 6 | 1/4 | 1/4 | -0404 9/16 | T2090-0404 | 1.26 32 | 2.24 57 | |
| 6 | 1/4 | 3/8 | -0406 3/4 | T2090-0406 | 1.4 34 | 2.32 59 | |

HOSE COUPLINGS

Part No. **T2090-0406**

T2090 is the Group Designator for NPT Male T2000 Series One-Piece Crimp Couplings.

T2090-0406 T2000 T2000 Series One-Piece Crimp Couplings

T2090-0406 090 NPT Male (End Style Termination)

T2090-0406 0406 is the Size Designator (Dash Size) (Hose Size then Thread Size)

T2090-0406 04 Hose Size $4/16'' = 1/4''$

T2090-0406 06 Thread Size $6/16'' = 3/8''$

| BSP/UNO | | | S95 | | |
|-------------|------|-----------|----------------------------------|--|--|
| | | | | | |
| STRAIGHT | | | | | |
| THREAD SIZE | | DASH SIZE | BSP FEMALE SWIVEL UN O RING MALE | | |
| A | B | | PART NO | | |
| inch | inch | | | | |
| 1/8 | 7/16 | -0207 | | | |
| 1/4 | 9/16 | -0409 | S95-0409 | | |

ADAPTORS

Part No. **S95-0409**

S95 is the Group Designator for BSPP Female Swivel to UN O Ring Male

S95-0409 BSPP Female Swivel to UN O Ring Male

S95-0409 is the Dash Size (A end then B end)

S95-0409 4/16" Thread Size = 1/4"

S95-0409 9/16" Thread Size

RYCO's dedication to providing customer service across multiple markets is paramount. That's why we have expanded our range of hose couplings to meet all of your application needs. RYCO is now offering a range of metric nuts on selected sizes in BSP, JSEAL™ and JIC hose couplings.

The introduction of our metric part numbering system is easily read and identified in the product technical manual.

Below is an example of how to identify a JSEAL™ part number with a metric nut:

COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|---------------------|----------------------|
| JSEAL™ / JIC | T2040 - T2041 |
|---------------------|----------------------|

CONVEX SEAT

| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | JSEAL™ / JIC FEMALE | | | | | |
|-----------|-----------|-----------|-----------|------------|-----|------------|-------|---------------------|------------|------|------|------|------|
| | | | | AF-SPANNER | | HF-SPANNER | | PART NO | CA | | L | | |
| DN | inch | inch | inch | inch | mm | inch | mm | | inch | mm | inch | mm | inch |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 1/2 | 12 | 9/16 | 14 | T2040-0407 | 0.75 | 19 | 1.73 | 44 |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 1/2 | 12 | 5/8 | 16 | T2040-0408 | 0.83 | 21 | 1.85 | 47 |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 1/2 | 12 | 11/16 | 19 | T2040-0409 | 0.87 | 22 | 1.89 | 48 |

| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | JSEAL™ / JIC FEMALE | | | | | |
|-----------|-----------|-----------|-----------|------------|-----|------------|------|---------------------|------------|------|------|------|------|
| | | | | AF-SPANNER | | HF-SPANNER | | PART NO | CA | | L | | |
| DN | inch | inch | inch | inch | mm | inch | mm | | inch | mm | inch | mm | inch |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 1/2 | 12 | 9/16 | 14 | T2040-0407 | 0.75 | 19 | 1.73 | 44 |

IMPERIAL VERSION

| | | |
|-----|------|-------------------|
| 1/2 | 9/16 | T2040-0407 |
|-----|------|-------------------|

Back up Nut - Across Flats (AF) 1/2 inch
Hex Female Nut - (HF) 9/16 inch

METRIC VERSION

| | | |
|----|----|-------------------|
| 12 | 14 | T2041-0407 |
|----|----|-------------------|

Back up Nut - Across Flats (AF) 12 mm
Hex Female Nut - (HF) 14 mm

IMPORTANT TO REMEMBER:
 IMPERIAL DIMENSIONS are expressed as the number of SIXTEENTHS of an inch.
 METRIC DIMENSIONS are expressed as the number of MILLIMETRES.

IMPERIAL and METRIC stock availability may vary due to country and industry preferences. Please contact your local RYCO representative for availability.

INTRODUCTION

DASH SIZE PART NUMBERING

RYCO “DASH SIZE” DEFINITIONS

The “Dash Size” of a Hose, Coupling, Thread or Connector is:

1. FOR HOSE

The number of SIXTEENTHS of an inch in the Inside Diameter.

2. FOR THREADS OR CONNECTORS WITH IMPERIAL DIMENSIONS

a) JSEAL™, JIC, SAE Threads, ORFS, UNO: the number of SIXTEENTHS of an inch in the size of the Male Thread.

b) BSP, NPT, SAE Flange, RYCO WEO, HAMMER UNION: the number of SIXTEENTHS of an inch in the Nominal Size of the Connector.

c) Tubing and Tube Bite: the number of SIXTEENTHS of an inch in the Outside Diameter of the Tube.

3. FOR THREADS OR CONNECTORS WITH METRIC DIMENSIONS

a) the number of MILLIMETRES in the OD of the Male Thread (pitch of thread is sometimes included).

b) Tubing and Tube Bite: the number of MILLIMETRES in the Outside Diameter of the Tube.

4. FOR RYCOLOK & SUPERLOK COUPLINGS

The nominal size of the Coupling in MILLIMETRES.

5. FOR QUICK RELEASE COUPLINGS

The nominal size of the Coupling in SIXTEENTHS of an inch.

6. FOR HOSE PROTECTION

RWA, RH, RCS Inside Diameter in MILLIMETRES.

FS1072 Inside Diameter in SIXTEENTHS of an inch.

RSG/RSGY/RSGF Outside Diameter in MILLIMETRES.

7. FOR HYDRAULIC FILTERS EXCEPTION TO RULE

Hydraulic Filters are dash sized for the number of EIGHTHS of an inch in the port size of the Filter.

RULES FOR “DASH SIZE” PART NUMBERING

HYDRAULIC HOSE

Part Number comprises the Hose Series Number followed by the Dash Size.

Note: For Dash Sizes -02, -03, -04, -05, -06 and -08 the “0” is not included in the Part Number except for Spiral Hose and Isobaric Hose.

Hose Series Numbers are shown in Hose Pictorial Index on pages 36 to 44

Dash Sizes are shown in the Quick Reference Chart on page 34.

EXAMPLES

-16 size SRF Series Hose is SRF16

-12 size M2 Series Hose is M212

-10 size RTH1 Series Hose is RTH110

-08 size R4SPD Series (Spiral) Hose is R4SP08

NOTE

If there are letters at the end of the Hose Series Number, Dash Size comes before letters.

T3000D, T3000S, T3600C, T3600D, T3600S, T4000D, T4000S, T5000D, T5000S, T6000D, T6000S, H3000D, H3000S, H4000D, H4000S, H5000D, H5000S, H6000D, H6000S, C6000D, C6000S, DF1D, DF2D, DK1D, DK1E, DK1S, DK2D, DK2E, DK2S, EC1, EC2, E1, E2, D2B, H12D, H12S, M2G, PL1D, R4SHD, R4SPD, TP7N, TP7T, TP7TN, TP8N, TP8T, TP8TN, T1D, T1F, T1S, T2D, T2S, T2C, TJ2D, TXA2D, RQP1, RQP2, RQP5, RQP6, T5 and BT1

EXAMPLES

-32 size H6000D Series Hose is H6032D

-20 size H12D Series Hose is H1220D

-06 size DF2D Series Hose is DF26D

-06 size TP7TN Series hose is TP76TN

HOSE COUPLINGS

Part Numbers comprise Coupling Series and End Style Number followed by the Dash Size of the Hose and the Dash Size of either the Thread or Connector Size. Coupling Series and End Style Numbers are described at start of Hose Coupling Section. (See page 169 and pages 183 to 310)

EXAMPLES

T2000 ONE-PIECE CRIMP COUPLING

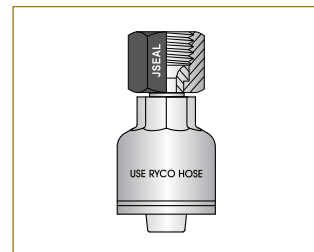
3/4" hose x 1.1/16" JSEAL™ Female

Order Part No. T2040-1217

T2040-1217 T2000 Series Coupling
T2040-1217 JSEAL™ Female End Style

T2040-1217 is the Size Designator (Dash Size),
 (Hose Size then Thread Size)

T2040-1217 -12 = 12/16" = 3/4" hose
T2040-1217 -17 = 17/16" = 1.1/16" thread



FIELD ATTACHABLE INSERT

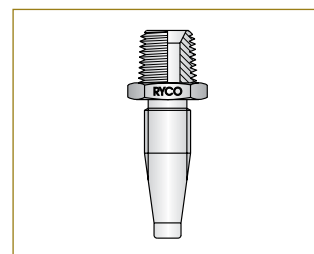
1/2" BSPT Male for 3/8" hose.

Order Part No. 6010-0608

6010-0608 6000 Series Insert
6010-0608 BSPT Male End Style

6010-0608 is the Size Designator (Dash Size),
 (Hose Size then Thread Size)

6010-0608 -06 = 6/16" = 3/8" hose
6010-0608 -08 = 8/16" = 1/2" thread



ADAPTORS

Part Numbers comprise of Group Designator followed by Dash Size. (Group Designators are shown in Adaptors Pictorial Index pages 393 to 400)

EXAMPLES

NPT MALE TO NPT MALE NIPPLE (STRAIGHT)

3/4" NPT Male x 1/4" NPT Male Nipple

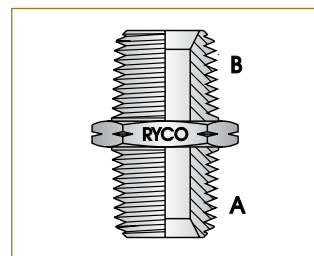
Order Part No. S27N-1208

S27N-1208 Group Designator for NPT Male Nipple

S27N-1208 is the Dash Size (A end then B end)

S27N-1208 -12 = 12/16" = 3/4" thread (A)

S27N-1208 -08 = 8/16" = 1/2" thread (B)



JIC MALE TO UNO RING MALE 90 ELBOW

3/4" JIC Male x 1.5/16" UNO Ring Male 90 Elbow

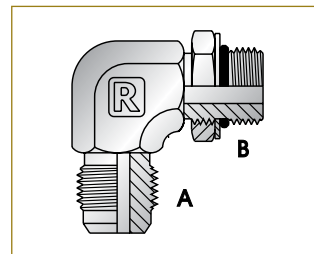
Order Part No. S91-1221

S91-1221 Group Designator for NPT Male Nipple

S91-1221 is the Dash Size (A end then B end)

S91-1221 -12 = 12/16" = 3/4" thread (JIC) (A)

S91-1221 -21 = 21/16" = 1.5/16" thread (UNO) (B)



There are supplementary rules which determine the listing order for multi-ended adaptors. These rules are shown in detail on pages 30 to 31

See RYCO Product Technical Manual for Important Note regarding Thread Dash Sizes/Tube Dash Sizes.

INTRODUCTION

DASH SIZE PART NUMBERING

QUICK REFERENCE CHART OF DASH SIZE EQUIVALENTS

EXAMPLE: Find Dash Size for 1.5/16" JIC thread. Read down JIC & UNO column until 1.5/16" is reached.
Read off Dash Size in far left column (-21).

| DASH SIZE | * inch | BSP inch-TPI | NPT inch-TPI | JSEAL, JIC & UNO inch-TPI | SAE FLARE inch-TPI | ORFS inch-TPI |
|-----------|---------|--------------|----------------|---------------------------|--------------------|---------------|
| -02 | 1/8 | 1/8 - 28 | 1/8 - 27 | | | |
| -03 | 3/16 | | | | | |
| -04 | 1/4 | 1/4 - 19 | 1/4 - 18 | | | |
| -05 | 5/16 | | | 5/16 - 24 | 5/16 - 24 | |
| -06 | 3/8 | 3/8 - 19 | 3/8 - 18 | 3/8 - 24 | 3/8 - 24 | |
| -07 | 7/16 | | | 7/16 - 20 | 7/16 - 20 | |
| -08 | 1/2 | 1/2 - 14 | 1/2 - 14 | 1/2 - 20 | 1/2 - 20 | |
| -09 | 9/16 | | | 9/16 - 18 | | 9/16 - 18 |
| -10 | 5/8 | 5/8 - 14 | | | 5/8 - 18 | |
| -11 | 11/16 | | | | | 11/16 - 16 |
| -12 | 3/4 | 3/4 - 14 | 3/4 - 14 | 3/4 - 16 | 3/4 - 16 | |
| -13 | 13/16 | | | | | 13/16 - 16 |
| -14 | 7/8 | | | 7/8 - 14 | 7/8 - 14 | |
| -15 | 15/16 | | | | | |
| -16 | 1 | 1 - 11 | 1 - 11.1/2 | | | 1 - 14 |
| -17 | 1.1/16 | | | 1.1/16 - 12 | 1.1/16 - 14 | |
| -18 | 1.1/8 | | | | | |
| -19 | 1.3/16 | | | | | 1.3/16 - 12 |
| -20 | 1.1/4 | 1.1/4 - 11 | 1.1/4 - 11.1/2 | | | |
| -21 | 1.5/16 | | | 1.5/16 - 12 | | |
| -22 | 1.3/8 | | | | | |
| -23 | 1.7/16 | | | | | 1.7/16 - 12 |
| -24 | 1.1/2 | 1.1/2 - 11 | 1.1/2 - 11.1/2 | | | |
| -25 | 1.9/16 | | | | | |
| -26 | 1.5/8 | | | 1.5/8 - 12 | | |
| -27 | 1.11/16 | | | | | 1.11/16 - 12 |
| -28 | 1.3/4 | | | | | |
| -29 | 1.13/16 | | | | | |
| -30 | 1.7/8 | | | 1.7/8 - 12 | | |
| -31 | 1.15/16 | | | | | |
| -32 | 2 | 2 - 11 | 2 - 11.1/2 | | | 2 - 12 |
| -33 | 2.1/16 | | | | | |
| -36 | 2.1/4 | | | | | |
| -40 | 2.1/2 | 2.1/2 - 11 | 2.1/2 - 8 | 2.1/2 - 12 | | |
| -42 | 2.5/8 | | | | | |
| -48 | 3 | 3 - 11 | | 3 - 8 | | |
| -50 | 3.1/8 | | | | | |
| -52 | 3.1/4 | | | | | |
| -60 | 3.3/4 | | | | | |
| -63 | 3.15/16 | | | | | |
| -75 | 4.11/16 | | | | | |

| DASH SIZE | ** mm | METRIC mm x Pitch |
|-----------|-------|--------------------------------------|
| -02 | 2 | |
| -03 | 3 | |
| -04 | 4 | |
| -05 | 5 | |
| -06 | 6 | |
| -07 | 7 | |
| -08 | 8 | |
| -09 | 9 | |
| -10 | 10 | |
| -11 | 11 | |
| -12 | 12 | |
| -13 | 13 | |
| -14 | 14 | 14 x 1,5 (-1415) |
| -15 | 15 | |
| -16 | 16 | 16 x 1,5 (-1615) |
| -17 | 17 | |
| -18 | 18 | 18 x 1,5 (-1815) |
| -19 | 19 | |
| -20 | 20 | 20 x 1,5 (-2015) |
| -21 | 21 | |
| -22 | 22 | 22 x 1,5 (-2215) |
| -23 | 23 | |
| -24 | 24 | 24 x 1,5 (-2415) |
| -25 | 25 | |
| -26 | 26 | 26 x 1,5 (-2615) |
| -27 | 27 | |
| -28 | 28 | |
| -29 | 29 | |
| -30 | 30 | 30 x 1,5 (-3015) 30 x 2,0 (-3020) |
| -31 | 31 | |
| -32 | 32 | |
| -33 | 33 | 33 x 1,5 (-3315) |
| -36 | 36 | 36 x 1,5 (-3615) 36 x 2,0 (-3620) |
| -40 | 40 | |
| -42 | 42 | 42 x 1,5 (-4215) 42 x 2,0 (-4220) |
| -48 | 48 | |
| -50 | 50 | 50 x 2,0 (-5020) |
| -52 | 52 | 52 x 2,0 (-5220) |
| -60 | 60 | 60 x 2,0 (-6020) |
| -63 | 63 | |
| -75 | 75 | |

***INCH COLUMN IS USED FOR:**

- Hose ID.
- Imperial Tube OD.
- FS1072 FIRE SLEEVE ID.
- Nominal size of SAE FLANGE.
- Nominal size of Quick Release Coupling.

****MM COLUMN IS USED FOR:**

- Metric Tube OD.
- Nominal size of RYCOLOK and SUPERLOK Couplings.

HYDRAULIC HOSE

RYCO XTREME SRX24 1.1/2" -24 DN38 MAX WP 1

RYCO SURVIVOR RQP28 1/2" -08 DN12 MAX WP 30

T4000 RYCO SLIDER™ **T4006S** 3/8" -06 DN10 MAX WP 280 BAR

H6000 RYCO DIEHARD™ **H6032D** 2" -3

RYCO DRILLER

RYCO SHOCKWAVE **SW16008** 1/2" -08 DN12 MAX WP

RYCO ISOLATOR TWIN TP86TN 3/8 -06 DN10 MAX WP 280 BAR

RYCO BIOTRANS **BT112** 3/4" -12 DN19 MAX WP 50 BAR / 725 PSI MEETS OR EXCEEDS
MIL-STD-1750 TYPE 2/MS2 **MSHA** **HF**

T3000 RYCO DIEHARD™ **T3008D** 1/2" -08 D

H6000 RYCO SLIDER™ **H6016S** 1" -16 DN25 MAX WP 420 BAR / 610

H5000 RYCO DIEHARD™ **H5020D** 1-1/4" -20

T4000 RYCO SLIDER™ **T4006S** 3/8" -06 DN10 MAX WP 280 BAR / 4100 PSI **MSHA** **ABRASION RESISTANT** MEETS OR EXCEEDS
SAE 1087U2 FRAM

RYCO DIEHARD™ T28D 1/2" -08 DN12 MAX WP 350 BAR / 5100 P

RYCO

HOSE














PICTORIAL INDEX













| HOSE SERIES | | INSIDE DIAMETER | RECOMMENDED | CONSTRUCTION | PERFORMANCE SPECIFICATIONS MET OR EXCEEDED | COUPLING SERIES |
|------------------------|-----------------------------|---|-----------------------------------|---|---|---|
| ISOBARIC BRAID | | | | | | |
| 62 | T3000D DIEHARD™ |  | -04 to -16 1/4" to 1" | High pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. One or two braids of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | ISO 18752-BC SAE 100R17 T2000 |
| 63 | T3000S SLIDER |  | -04 to -16 1/4" to 1" | High pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. One or two braids of high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene cover. | ISO 18752-BC SAE 100R17 T2000 |
| 64 | T3600C ICEBREAKER |  | -04 to -16 1/4" to 1" | High pressure hydraulic oil lines in applications where low temperature environmental conditions exist. | Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | ISO 18752-BC T2000 |
| 65 | T3600D DIEHARD™ |  | -04 to -16 1/4" to 1" | High pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. One or two braids of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | ISO 18752-BC T2000 |
| 66 | T3600S SLIDER |  | -04 to -16 1/4" to 1" | High pressure hydraulic oil lines. | Oil resistant synthetic rubber. One or two braids of high tensile steel wire reinforcement. Oil and abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene cover. | ISO 18752-BC T2000 |
| 67 | T4000D DIEHARD™ |  | -04 to -12 1/4" to 3/4" | High pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. One or two braids of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | ISO 18752-BC SAE 100R19 T2000 |
| 68 | T4000S SLIDER |  | -04 to -12 1/4" to 3/4" | High pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. One or two braids of high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene. | ISO 18752-BC SAE 100R19 T2000 |
| 69 | T5000D DIEHARD™ |  | -04 to -08 1/4" to 1/2" | Very high pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | ISO 18752-BC T2000 |
| 70 | T5000S SLIDER |  | -04 to -08 1/4" to 1/2" | Very high pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene. | ISO 18752-BC T2000 |
| 71 | T6000D DIEHARD™ |  | -04 to -06 1/4" to 3/8" | Extremely high pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | ISO 18752-BC T2000 |
| 72 | T6000S SLIDER |  | -04 to -06 1/4" to 3/8" | Extremely high pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene. | ISO 18752-BC T2000 |
| ISOBARIC SPIRAL | | | | | | |
| 73 | H3000D DIEHARD™ |  | -20 to -32 1.1/4" to 2" | High pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Four alternating layers of spiralled high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | EN 856 Type R12 EN 856 Type 45P ISO 18752-DC SAE 100R12 T7000 |
| 74 | H3000S SLIDER |  | -20 to -32 1.1/4" to 2" | High pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Four alternating layers of spiralled high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene. | EN 856 Type R12 EN 856 Type 45P ISO 18752-DC SAE 100R12 T7000 |

| HOSE SERIES | | INSIDE DIAMETER | RECOMMENDED | CONSTRUCTION | PERFORMANCE SPECIFICATIONS MET OR EXCEEDED | COUPLING SERIES |
|-------------------------------|-----------------------------|---|-------------------------------------|--|---|--|
| ISOBARIC SPIRAL (CONT) | | | | | | |
| 75 | H4000D DIEHARD™ |  | -06 to -32 3/8" to 2" | High pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Four or six alternating layers of spiralled high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | EN 856 Type R12 EN 856 Type 45P (size DN25, -16) ISO 18752-DC SAE 100R12 T7000 |
| 76 | H4000S SLIDER |  | -06 to -32 3/8" to 2" | High pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Four or six alternating layers of spiralled high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene. | EN 856 Type R12 EN 856 Type 45P (size DN25, -16) ISO 18752-DC SAE 100R12 T7000 |
| 77 | H5000C ICEBREAKER |  | -12 to -20 3/4" to 1 1/4" | Very high pressure hydraulic oil lines in applications where low temperature environmental conditions exist. | Very high pressure hydraulic oil lines in applications where low temperature environmental conditions exist. Small bend radius is an advantage in installations. | EN 856 Type R13 ISO 18752-CC SAE100R13 T7000 |
| 78 | H5000D DIEHARD™ |  | -06 to -32 3/8" to 2" | Very high pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Four or six alternating layers of spiralled high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | EN 856 Type R13 ISO 18752-CC SAE100R13 T6000 T7000 |
| 79 | H5000S SLIDER |  | -06 to -32 3/8" to 2" | Very high pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Four or six alternating layers of spiralled high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene. | EN 856 Type R13 ISO 18752-CC SAE 100R13 T6000 T7000 |
| 80 | H6000D DIEHARD™ |  | -06 to -32 3/8" to 2" | Extremely high pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Four, six or eight alternating layers of spiralled high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | EN 856 Type R15 ISO 18752-CC SAE 100R15 T6000 T7000 |
| 81 | H6000S SLIDER |  | -06 to -32 3/8" to 2" | Extremely high pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Four, six or eight alternating layers of spiralled high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene. | ISO 3862 Type R15 ISO 18752-CC SAE 100R15 T6000 T7000 |
| 82 | C6000D DIEHARD™ |  | -12 to -16 3/4" to 1" | Ultra flexible, extremely high pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Four alternating layers of spiralled high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | ISO 18752-CC SAE100R15 T7000 |
| 83 | C6000S SLIDER |  | -12 to -16 3/4" to 1" | Ultra flexible, extremely high pressure hydraulic oil lines. | Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene. Oil and extra abrasion resistant synthetic rubber cover. | ISO 18752-CC SAE100R15 T7000 |
| BRAID | | | | | | |
| 84 | DF1D DIEHARD™ |  | -04 to -16 1/4 to 1" | High pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | EN 857 Type 15C ISO 11237 Type 15C T2000 |
| 85 | DF2D DIEHARD™ |  | -04 to -20 1/4 to 1.1/4" | High pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | EN 857 Type 25C ISO 11237 Type 25C SAE 100R16 T2000 |
| 86 | DK1D DIEHARD™ |  | -04 to -20 1/4 to 1.1/4" | Extra abrasion resistant high pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | EN 857 Type 15C ISO 11237 Type 15C T2000 |
| 87 | DK1E ENERGY |  | -04 to -16 1/4" to 1" | High pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil resistant synthetic rubber cover. | EN 857 Type 15C ISO 11237 Type 15C T2000 |

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| 88 | DK1S SLIDER |  | -04 to -20 1/4 to 1.1/4" | Extra abrasion resistant high pressure hydraulic oil lines. | Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene. Oil and extra abrasion resistant synthetic rubber cover. | EN 857 Type 1SC ISO 11237 Type 1SC T2000 |
| 89 | DK2D DIEHARD™ |  | -04 to -20 1/4 to 1.1/4" | Extra abrasion resistant high pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | EN 857 Type 2SC ISO 6805 Type 1 & Type 2 ISO 6805 Type 4 T2000 |
| 90 | DK2E ENERGY |  | -04 to -16 1/4" to 1" | High pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil resistant synthetic rubber cover. | EN 857 Type 2SC ISO 6805 Type 1 & Type 2 ISO 6805 Type 4 T2000 |
| 91 | DK2S SLIDER |  | -04 to -16 1/4" to 1" | High pressure hydraulic oil lines. | Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene. Oil and extra abrasion resistant synthetic rubber cover. | EN 857 Type 2SC ISO 6805 Type 1 & Type 2 ISO 6805 Type 4 T2000 |
| 93 | EC1 ENERGY |  | -04 to -16 1/4" to 1" | High pressure hydraulic oil lines. Compact outside diameter and smaller bend radius. | Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil resistant synthetic rubber cover. | EN 857 Type 1SC ISO 11237 Type 1SC T2000 |
| 94 | EC2 ENERGY |  | -04 to -16 1/4" to 1" | High pressure hydraulic oil lines. Compact outside diameter and smaller bend radius. | Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil resistant synthetic rubber cover. | EN 857 Type 2SC ISO 11237 Type 2SC SAE 100R16 T2000 |
| 95 | ECP1 ENERGY |  | -03 to -08 3/16" to 1/2" | High pressure hydraulic oil pilot lines. Compact outside diameter and smaller bend radius. | Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil resistant synthetic rubber cover. | T2000 |
| 96 | E1 ENERGY |  | -04 to -16 1/4" to 1" | High pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil resistant synthetic rubber cover. | AS 3791 100R1AT DIN 20022-1SN EN 853 Type 1SN ISO 1436 Types R1AT & 1SN SAE 100R1AT T2000 6000 (K000) |
| 97 | E2 ENERGY |  | -04 to -16 1/4" to 1" | High pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil resistant synthetic rubber cover. | AS 3791 100R2AT DIN 20022 - 2SN EN 853 Type 2SN ISO 1436 Types R2AT & 2SN SAE 100R2AT T2000 T7000 6000 (L000) |
| 98 | T1D DIEHARD™ |  | -03 to -32 3/16" to 2" | High pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | AS 3791 100R1AT DIN 20022-1SN EN 853 Type 1SN ISO 1436 Types R1AT & 1SN SAE 100R1AT T2000 6000 (K000) |
| 99 | T1S SLIDER |  | -03 to -32 3/16" to 2" | High pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene. | AS 3791 100R1AT DIN 20022-1SN EN 853 Type 1SN ISO 1436 Types R1AT & 1SN SAE 100R1AT T2000 |
| 100 | T1F FIRE SUPPRESSION |  | -03 to -16 3/16" to 1" | Fire Suppression Systems of off-road vehicles, mining equipment, stationary engines, etc. | Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Red, heat resistant, abrasion resistant and oil resistant rubber cover. | AS 3791 100R1AT DIN 20022-1SN EN 853 Type 1SN ISO 1436 Types R1AT & 1SN SAE 100R1AT T2000 6000 (K000) |
| 101 | T2D DIEHARD™ |  | -04 to -48 1/4" to 3" | High pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | AS 3791 100R2AT DIN 20022 - 2SN EN 853 Type 2SN ISO 1436 Types R2AT & 2SN SAE 100R2AT T2000 T7000 6000 (L000) |

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| BRAID (CONT) | | | | | | |
| 102 | T2S SLIDER |  | -04 to -32 1/4" to 2" | High pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene. | AS 3791 100R2AT DIN 20022-2SN EN 853 Type 2SN ISO 1436 Types R2AT & 2SN SAE 100R2AT T2000 T7000 |
| 103 | T2C ICEBREAKER |  | -04 to -32 1/4" to 2" | High pressure hydraulic oil lines in applications where low temperature environmental conditions exist. | Specially formulated oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil resistant and abrasion resistant synthetic rubber cover. | AS 3791 100R2AT DIN 20022-2SN EN 853 Type 2SN ISO 1436 Types R2AT & 2SN SAE 100R2AT T2000 |
| 104 | TXA2D DIEHARD™ |  | -08 to -16 1/2" to 1" | Extra high pressure hydraulic oil lines where pressure exceeds 100R2 by at least 30%. | Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | AS 3791 100R2AT BCS 174 DIN 20022-2SN EN 853 Type 2SN ISO 1436 Types R2AT & 2SN SAE 100R2AT T2000 T7000 6000 (L000) |
| SPIRAL | | | | | | |
| 105 | H12D DIEHARD™ |  | -06 to -40 3/8" to 2.1/2" | Very high pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Four alternating layers of spiralled high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | AS 3791 100R12 EN 856 Type R12 EN 856 Type 4SP (-12 and above) ISO 3862 Type R12 SAE 100R12 T7000 |
| 106 | H12S SLIDER |  | -06 to -32 3/8" to 3" | Very high pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Four alternating layers of spiralled high tensile steel wire reinforcement. Synthetic rubber cover sheathed with a layer of extremely abrasion resistant polyethylene. | AS 3791 100R12 EN 856 Type R12 EN 856 Type 4SP (-12 and above) ISO 3862 Type R12 SAE 100R12 T7000 |
| 107 | R4SPD DIEHARD™ |  | -06 to -16 3/8" to 1" | Extra high pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Four alternating layers of spiralled high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | EN 856 Type 4SP ISO 3862 Type 4SP T7000 |
| 108 | R4SHD DIEHARD™ |  | -12 to -32 3/4" to 2" | Extra high pressure hydraulic oil lines. | Oil resistant synthetic rubber tube. Four alternating layers of spiralled high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | EN 856 Type 4SH ISO 3862 Type 4SH T6000 T7000 |
| SPECIALTY & HIGH TEMPERATURE | | | | | | |
| 110 | TJ2D DIEHARD™ JACK |  | -04 to -06 1/4" & 3/8" | Hydraulic Jack applications requiring a light weight, small outside diameter hose. | Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil and extra abrasion resistant synthetic rubber cover. | Materials Handling Institute specification IJ 100 (July 1979) T2000 |
| 112 | D4000D DRIFTER |  | -08 to -16 1/2" to 1" | High pressure hydraulic oil lines and Jumbo drill rig drifter (rock drill) units. | Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. | AS 2660 and Methods of Test AS 1180.10B and 13A T7000 |
| 113 | RQP1 SURVIVOR™ |  | -04 to -16 1/4" to 1" | High pressure hydraulic oil applications. | Synthetic rubber tube, compounded for temperature resistance and multi fluid resistance. One braid of high tensile steel wire reinforcement. Oil resistant and abrasion resistant synthetic rubber cover. | AS 3791 100R1AT DIN 20022-1SN EN 853 Type 1SN ISO 1436 Types R1AT & 1SN SAE 100R1AT T2000 6000 (K000) |
| 114 | RQP2 SURVIVOR™ |  | -04 to -32 1/4" to 2" | High pressure hydraulic oil applications. | Synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil resistant and abrasion resistant synthetic rubber cover. | AS 3791 100R2AT DIN 20022-2SN EN 853 Type 2SN ISO 1436 Types R2AT & 2SN SAE 100R2AT T2000 T7000 6000 (L000) |
| 115 | RQP5 SURVIVOR™ |  | -04 to -32 1/4" to 2" | Medium to high pressure hydraulic oil applications. | Oil resistant synthetic rubber tube. Polyester inner braid covered with one braid of high tensile steel wire reinforcement. Polyester braid cover. | AS 3791 100R5 SAE 100R5 SAE J1402 Type All (up to -12 size) T4000 V000 |

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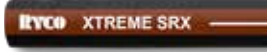








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| SPECIALTY & HIGH TEMPERATURE (CONT) | | | | | | | |
| 116 | RQP6 SURVIVOR™ PUSH-ON |  | -04 to -12 1/4" to 3/4" | Hydraulic oil lines, transmission oil cooler lines, glycol antifreeze solutions, water, diesel fuels and air. | Oil resistant synthetic rubber tube. One textile braid reinforcement. Oil resistant and abrasion resistant synthetic rubber cover. | AS 3791 100R6 DIN 20021-1TE ISO 4079 Type 1 SAE 100R6 | T4000 8000 |
| 117 | D2B DRILLER |  | -20 to -32 1.1/4" to 2" | Hydraulic oil or air lines. Drill rigs - high pressure, large bore air hose. | Oil resistant synthetic rubber tube. Two braids of high tensile steel wire reinforcement. Oil and abrasion resistant synthetic rubber cover. | | T2000 T7000 |
| 118 | T5 TRUCKER |  | -04 to -32 1/4" to 2" | Medium to high pressure hydraulic oil applications. | Oil resistant synthetic rubber tube. Polyester inner braid covered with one braid of high tensile steel wire reinforcement. Polyester braid cover. | AS 3791 100R5 SAE 100R5 SAE J1402 Type All (up to -12 size) | T4000 V000 |
| 119 | MS1000 MINESPRAY |  | -08 to -32 1/2" to 2" | Water and air spray suited for dust control in all industrial and mining applications. | Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil resistant and abrasion resistant synthetic rubber cover. | | T2000 |
| 120 | CS1000 COALSPRAY |  | -08 to -32 1/2" to 2" | Water and air spray suited for dust control in all industrial and mining applications. | Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil resistant and abrasion resistant synthetic rubber cover. | | T2000 |
| 122 | BT1 BIOTRANS |  | -04 to -16 1/4" to 1" | Transportation, marine fuel and engine hose applications. | Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. | SAE J1527 Type Class I SAE J30R2 (non-marine) USCG SAE J1942 | T2000 6000 (K000) |
| HIGH PRESSURE WATERBLAST | | | | | | | |
| 123 | SW SHOCKWAVE |  | -06 to -16 3/8" to 1" | Cleaning and preparation of marine surfaces, runway and swimming pool cleaning, and paint removal. | Oil and water resistant synthetic rubber tube. Four high tensile steel spirals reinforcement. Oil, water and ozone resistant synthetic rubber cover. | AS/NZS 4233.2 EN 1829-2 ISO 7751 | TW4000 |
| PRESSURE WASHER | | | | | | | |
| 124 | JS4000 JS4000G JETSTORM |   | -04 to -08 1/4" to 1/2" | Cleaning and preparation of marine surfaces, runway and swimming pool cleaning, and paint removal. JS4000G is Animal Fat Resistant (AFR). | Oil and water resistant synthetic rubber tube. One braid of high tensile steel spiral reinforcement. Oil, water and ozone resistant synthetic rubber cover. | EN 1829-2 | T2000 |
| 125 | JS4000BX JS4000GX JETSTORM |   | -04 to -08 1/4" to 1/2" | Cleaning and preparation of marine surfaces, runway and swimming pool cleaning, and paint removal. | Oil and water resistant synthetic rubber tube. One braid of high tensile steel spiral reinforcement. Oil, water and ozone resistant synthetic rubber cover. | EN 1829-2 | T2000 |
| 126 | JS6000 JS6000G JETSTORM |   | -04 to -08 1/4" to 1/2" | Cleaning & preparation of marine surfaces, runway and swimming pool cleaning, and paint removal. JS6000G is Animal Fat Resistant (AFR). | Oil and water resistant synthetic rubber tube. Two braids of high tensile steel spiral reinforcement. Oil, water and ozone resistant synthetic rubber cover. | EN 1829-2 | T2000 |
| 127 | JS6000BX JS6000GX JETSTORM |   | -04 to -08 1/4" to 1/2" | Cleaning and preparation of marine surfaces, runway and swimming pool cleaning, and paint removal. | Oil and water resistant synthetic rubber tube. Two braids of high tensile steel spiral reinforcement. Oil, water and ozone resistant synthetic rubber cover. | EN 1829-2 | T2000 |

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| SUCTION AND RETURN | | | | | | |
| 128 | SRF COMPACT SUCTION |  | -12 to -32 3/4" to 2" | Petroleum and water base hydraulic fluids in suction lines or in low pressure return lines. | Oil resistant synthetic rubber tube. Textile reinforcement with spiral wire to prevent collapsing. Oil resistant and abrasion resistant synthetic rubber cover. | AS 3791 100R4 SAE 100R4 33000 T4000 |
| 129 | SRX COMPACT SUCTION |  | -12 to -48 3/4" to 3" | Petroleum and water base hydraulic fluids in suction lines or in low pressure return lines where extreme flexibility is required. | Oil resistant synthetic rubber tube. Textile reinforcement with spiral wire to prevent collapsing. Oil resistant and abrasion resistant synthetic rubber cover. Extremely flexible. | AS 3791 100R4 SAE 100R4 33000 T4000 |
| TEFLON® | | | | | | |
| 130 | RTH1 TEFLON® |  | -04 to -16 1/4" to 1" | High pressure hydraulic oil lines. Fluids at extremes of pressure and temperature. | PTFE tube (TEFLON®). One braid of high tensile Grade 304 stainless steel wire reinforcement. *DuPont Reg. TM | SAE 100R14. RTH112 meets ID and OD requirements of SAE 100R14. Other sizes have ID and OD different to SAE 100R14 TT000 |
| TEXTILE BRAID | | | | | | |
| 132 | PL1D DIEHARD™ |  | -04 to -12 1/4" to 3/4" | Petroleum base hydraulic oils, glycol antifreeze solutions, water, diesel fuels, and air. | Oil resistant synthetic rubber tube. One textile braid reinforcement. Oil and abrasion resistant synthetic rubber cover. | AS 3791 100R6 DIN 20021-1TE ISO 4079 Type R6 SAE 100R6 T4000 8000 |
| 133 | PL1PV PUSH ON |  | -04 to -12 1/4" to 3/4" | Petroleum base hydraulic oils, glycol antifreeze solutions, water, diesel fuels, and air. | Oil resistant synthetic rubber tube. One textile braid reinforcement. Oil and abrasion resistant synthetic rubber cover | AS 3791 100R6 ISO 4079 Type 1 SAE 100R6 T4000 8000 |
| 134 | M1 FUEL LINE |  | -04 to -06 1/4" to 3/8" | Multi-purpose hose for use on fuel lines, PCV and EEC systems, and fuel return hose connections on diesel fuel injection systems. | Oil resistant synthetic rubber tube. One textile braid reinforcement. Oil resistant synthetic rubber cover. | SAE 30R7 N/A |
| 135 | MP1 MULTI-PURPOSE |  | -04 to -20 1/4" to 1.1/4" | Air, water, petroleum oils, kerosene and fuel oils. | Oil resistant synthetic rubber tube. One textile braid reinforcement. Oil resistant and abrasion resistant synthetic rubber cover. | RMA Class A (tube) RMA Class B (cover) T4000 |
| 136 | M2 TEXTILE |  | -04 to -16 1/4" to 1" | Medium pressure hydraulic oil lines, antifreeze solutions, water. | Oil resistant synthetic rubber tube. Two textile braids reinforcement. Oil resistant and abrasion resistant synthetic rubber cover. | AS 3791 100R3 DIN 20021-2TE ISO 4079 Type R3 SAE 100R3 T4000 6000 (M000) |
| 137 | M2G LPG/C |  | -04 to -12 1/4" to 3/4" | Liquefied Petroleum Gas and Natural Gas. | Oil resistant synthetic rubber tube. Two textile braids reinforcement. Abrasion resistant synthetic rubber perforated cover. | AS/NZS 1869 Class C T4000 6000 (M000) |
| THERMOPLASTIC | | | | | | |
| 140 | TP7 SPIDERLINE R7 |  | -03 to -16 3/16" to 1" | High pressure hydraulic oil lines; pilot lines; greasing and lubrication lines; and some pneumatic and water lines. | Oil resistant seamless thermoplastic tube. One or two braids of synthetic fibre reinforcement. Oil and abrasion resistant thermoplastic perforated cover. | AS 3791 100R7 EN 855 TYPE R7 ISO 3949 TYPE R7 SAE 100R7 TP000 |

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| THERMOPLASTIC (CONT) | | | | | | |
| 141 | TP7N ISOLATOR R7 |  | -04 to -16 1/4" to 1" | Hydraulic oil lines where electrical non-conductivity is required. | Oil resistant seamless thermoplastic tube. One or two braids of synthetic fibre reinforcement. Oil and abrasion resistant thermoplastic cover. | AS 3791 100R7 EN 855 TYPE R7 ISO 3949 TYPE R7 SAE 100R7 TP000 |
| 142 | TP7T SPIDERLINE TWIN R7 |  | -04 to -08 1/4" to 1/2" | Payout and return reels on forklifts and cranes, dispensing equipment and other applications requiring two hoses. | Oil resistant seamless thermoplastic tube. One or two braids of synthetic fibre reinforcement. Oil and abrasion resistant thermoplastic perforated cover. | AS 3791 100R7 EN 855 TYPE R7 ISO 3949 TYPE R7 SAE 100R7 TP000 |
| 143 | TP7TN ISOLATOR TWIN R7 |  | -04 to -08 1/4" to 1/2" | Payout and return reels on forklifts and cranes, hydraulic powered hand tools and other applications requiring two hoses. | Oil resistant seamless thermoplastic tube. One or two braids of synthetic fibre reinforcement. Oil and abrasion resistant thermoplastic cover. | AS 3791 100R7 EN 855 TYPE R7 ISO 3949 TYPE R7 SAE 100R7 TP000 |
| 144 | TP8 SPIDERLINE R8 |  | -04 to -08 1/4" to 1/2" | High pressure hydraulic oil lines; pilot lines; greasing and lubrication lines; and some pneumatic and water lines. | Oil resistant seamless thermoplastic tube. One or two braids of aramid fibre reinforcement. Oil and abrasion resistant thermoplastic perforated cover. | AS 3791 100R8 EN 855 TYPE R8 ISO 3949 TYPE R8 SAE 100R8 TP000 |
| 145 | TP8N ISOLATOR R8 |  | -04 to -08 1/4" to 1/2" | Hydraulic oil lines where electrical non-conductivity is required. | Oil resistant seamless thermoplastic tube. One or two braids of aramid fibre reinforcement. Oil and abrasion resistant thermoplastic cover. | AS 3791 100R8 EN 855 TYPE R8 ISO 3949 TYPE R8 SAE 100R8 TP000 |
| 146 | TP8T SPIDERLINE TWIN R8 |  | -04 to -08 1/4" to 1/2" | Payout and return reels on forklifts and cranes, dispensing equipment and other applications requiring two hoses. | Oil resistant seamless thermoplastic tube. One or two braids of aramid fibre reinforcement. Oil and abrasion resistant thermoplastic perforated cover. | AS 3791 100R8 EN 855 TYPE R8 ISO 3949 TYPE R8 SAE 100R8 TP000 |
| 147 | TP8TN ISOLATOR TWIN R8 |  | -04 to -08 1/4" to 1/2" | Payout and return reels on forklifts and cranes, hydraulic powered hand tools and other applications requiring two hoses. | Oil resistant seamless thermoplastic tube. One or two braids of aramid fibre reinforcement. Oil and abrasion resistant thermoplastic cover. | AS 3791 100R8 EN 855 Type R8 ISO 3949 TYPE R8 SAE 100R8 TP000 |
| 148 | TP3000 SPIDERLINE R18 |  | -04 to -08 1/4" to 1/2" | Medium pressure hose suitable for petroleum or synthetic based hydraulic fluids in forklift systems. | Polyester elastomer tube. One or two braids of synthetic fibre reinforcement. Special polyester, black with white ink-jet branding. Cover is perforated (pin-pricked). | SAE 100 R18 TP000 |
| GREASING AND LUBRICATION | | | | | | |
| 149 | TPGL GREASE LINE |  | -02 1/8" | High pressure greasing and lubrication systems. | Oil resistant seamless thermoplastic tube. One or two braids of synthetic fibre reinforcement. Oil and abrasion resistant thermoplastic perforated cover. | TG000 6000 (P000) |
| 150 | R4100N |  | -03 3/16" | Flexible Grease Gun extension for high pressure greasing and lubrication systems. | Oil resistant synthetic rubber tube. One braid of high tensile steel wire reinforcement. Oil and abrasion resistant synthetic rubber cover. | |

| HOSE PROTECTION | | INSIDE DIAMETER | RECOMMENDED | CONSTRUCTION | PERFORMANCE SPECIFICATIONS MET OR EXCEEDED |
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| 152 | FS FIRE SLEEVE  | -08 to -104 1/2" to 6.1/2" | Protection of hoses from heat and molten metal splashes. | Braided glass fibre tubing coated with silicon rubber. | SAE Aerospace Standard AS 1072 |
| 155 | RCS CROCSLEEVE  | 23 to 129 mm 7/8" to 5" | Burst and pinhole protection. Protection of hoses from abrasion. Bundling hoses together. | Woven polyamide. RCSB - Black. RCSR - Red. | MSHA approved FRAS |
| 158 | RH RAWHIDE  | 23 to 93 mm 7/8" to 3.5/8" | Protection of hoses from severe abrasion. Bundling hoses together. | Woven nylon tubing. | MSHA approved |
| 159 | RSG SPIRAL GUARD  | 16 to 110 mm (OD) 5/8" to 4.1/2" | Protection of hoses from abrasion and impact. Bundling hoses together. | Polyethylene plastic spiral. Black. | |
| 159 | RSGF SPIRAL GUARD FRAS  | 16 to 110 mm (OD) 5/8" to 4.1/2" | Protection of hoses from abrasion and impact. Bundling hoses together. | Polyethylene plastic spiral. Dark Grey. | MSHA approved FRAS |
| 159 | RSGY SPIRAL GUARD  | 16 to 110 mm (OD) 5/8" to 4.1/2" | Protection of hoses from abrasion and impact. Bundling hoses together. | Polyethylene plastic spiral. Yellow | |
| 161 | RWA PUSH ON  | 12 to 75 mm 1/2" to 3" | Protection of hose cover from abrasion and gouges. | Spring Steel Wire, galvanised. | |
| 163 | RHYS PACKAGING SLEEVE  | 48 & 79 mm 1.9" and 3.1" | Packaging and protection of hose assemblies during transport and storage. | Heavy duty, low density polyethylene sleeve. | |
| 165 | GRAM GRAM LABEL  | Suits sizes -04 to -20 & -12 to -32 | Permanent identification of hose assemblies. | High performance plastic. | |
| 166 | RHYT RHYT-10, -32  | Suits sizes -04 to -10 & -12 to -32 | Permanent identification of hose assemblies. | High performance plastic. | |
| 166 | RHWT RHWT-10, -32  | Suits sizes -04 to -10 & -12 to -32 | Permanent identification of hose assemblies. | High performance plastic. | |
| 164 | 750/760 SPRING GUARD  | Suits some -04 (1/4") & -06 (3/8") hoses | Control bend radius at end of hose assemblies. | Spring Steel Wire, galvanised. | |

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HOSE TYPE APPROVALS

The tables following on pages 44 to 48 list the approvals RYCO Hydraulics hold with various third parties for hoses used in RYCO Matched Hose Assemblies. For each Certification Body/Organisation referenced in the table, listed is; the Matched RYCO Coupling Series approved for the hoses listed.

EXAMPLE:

A Hose Assembly using **T3600D** needs to meet **Marine Equipment Directive (MED)** approval; the table shows: The **Matched Couplings** approved for use with **T3600D** hose: **T2000** Series Crimp Couplings.

* Refer to www.RYCO.com.au for current approval certificates & further details.

| RYCO HOSE TYPE APPROVALS | | | | | | | | | | | | | | | | | |
|--------------------------|---------|--------|----------|--------|------------|-------|--------|-------|-------|-------|---------|--------|-------|-------|-------|-------|--|
| HOSE SERIES | DIEHARD | SLIDER | SURVIVOR | ENERGY | ICEBREAKER | ABS | DNV-GL | LR | MED | USCG | CLASSNK | GOST-R | BV | RINA | KR | MA-KA | |
| T3000 | D | S | Sv | E | I | | | | | | | | | | | | |
| T3004 | • | | | | | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T3005 | • | | | | | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T3006 | • | | | | | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T3008 | • | | | | | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T3010 | • | | | | | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T3012 | • | | | | | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T3016 | • | | | | | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T3600 | D | S | Sv | E | I | | | | | | | | | | | | |
| T3604 | • | • | | | • | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T3605 | • | • | | | • | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T3606 | • | • | | | • | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T3608 | • | • | | | • | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T3610 | • | • | | | • | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T3612 | • | • | | | • | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T3616 | • | • | | | • | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T4000 | D | S | Sv | E | I | | | | | | | | | | | | |
| T4004 | • | • | | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T4005 | • | • | | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T4006 | • | • | | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T4008 | • | • | | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T4010 | • | • | | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T4012 | • | • | | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T5000 | D | S | Sv | E | I | | | | | | | | | | | | |
| T5004 | • | • | | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T5005 | • | • | | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T5006 | • | • | | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | T2000 | |
| T5008 | • | • | | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | T2000 | |

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| RYCO HOSE TYPE APPROVALS | | | | | | | | | | | | | | | | |
|--------------------------|---------|--------|----------|--------|------------|---------------|---------------|---------------|---------------|---------------|-----|---------------|---------------|---------------|---------------|-------|
| HOSE SERIES | DIEHARD | SLIDER | SURVIVOR | ENERGY | ICEBREAKER | ABS | DNV-GL | LR | MED | USCG | DOT | GOST-R | BV | RINA | KR | MA-KA |
| T6000 | D | S | Sv | E | I | | | | | | | | | | | |
| T6004 | • | • | | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |
| T6005 | • | • | | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |
| T6006 | • | • | | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |
| H3000 | D | S | Sv | E | I | | | | | | | | | | | |
| H3020 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H3024 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H3032 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H4000 | D | S | Sv | E | I | | | | | | | | | | | |
| H4006 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H4008 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H4010 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H4012 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H4016 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H4020 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H4024 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H4032 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H5000 | D | S | Sv | E | I | | | | | | | | | | | |
| H5006 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H5008 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H5010 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H5012 | • | • | | | • | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H5016 | • | • | | | • | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H5020 | • | • | | | • | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H5024 | • | • | | | • | T6000 & T7000 | T6000 & T7000 | T6000 & T7000 | T6000 & T7000 | T6000 & T7000 | | T6000 & T7000 | T6000 & T7000 | T6000 & T7000 | T6000 & T7000 | |
| H5032 | • | • | | | | T6000 | T6000 | T6000 | T6000 | T6000 | | T6000 | T6000 | T6000 | T6000 | |
| H6000 | D | S | Sv | E | I | | | | | | | | | | | |
| H6006 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H6008 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H6010 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H6012 | • | • | | | | T6000 & T7000 | T6000 & T7000 | T6000 & T7000 | T6000 & T7000 | T6000 & T7000 | | T6000 & T7000 | T6000 & T7000 | T6000 & T7000 | T6000 & T7000 | |
| H6016 | • | • | | | | T6000 & T7000 | T6000 & T7000 | T6000 & T7000 | T6000 & T7000 | T6000 & T7000 | | T6000 & T7000 | T6000 & T7000 | T6000 & T7000 | T6000 & T7000 | |
| H6020 | • | • | | | | T6000 & T7000 | T6000 & T7000 | T6000 & T7000 | T6000 & T7000 | T6000 & T7000 | | T6000 & T7000 | T6000 & T7000 | T6000 & T7000 | T6000 & T7000 | |
| H6024 | • | • | | | | T6000 | T6000 | T6000 | T6000 | T6000 | | T6000 | T6000 | T6000 | T6000 | |
| H6032 | • | • | | | | T6000 | T6000 | T6000 | T6000 | T6000 | | T6000 | T6000 | T6000 | T6000 | |

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| RYCO HOSE TYPE APPROVALS | | | | | | | | | | | | | | | | |
|--------------------------|---------|--------|----------|--------|------------|-------|--------|-------|-------|-------|-----|--------|-------|-------|-------|-------|
| HOSE SERIES | DIEHARD | SLIDER | SURVIVOR | ENERGY | ICEBREAKER | ABS | DNV-GL | LR | MED | USCG | DOT | GOST-R | BV | RINA | KR | MA-KA |
| TXA2D | D | S | Sv | E | I | | | | | | | | | | | |
| TXA28D | • | | | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |
| TXA210D | • | | | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |
| TXA212D | • | | | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |
| TXA216D | • | | | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |
| H12 | D | S | Sv | E | I | | | | | | | | | | | |
| H1206 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H1208 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H1210 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H1212 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H1216 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H1220 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H1224 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| H1232 | • | • | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | |
| R4SP | D | S | Sv | E | I | | | | | | | | | | | |
| R4SP06 | • | | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | T7000 |
| R4SP08 | • | | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | T7000 |
| R4SP08 | • | | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | T7000 |
| R4SP10 | | | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | T7000 |
| R4SP12 | • | | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | T7000 |
| R4SP16 | • | | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | T7000 |
| R4SH | D | S | Sv | E | I | | | | | | | | | | | |
| R4SH12 | • | | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | T7000 |
| R4SH16 | • | | | | | T6000 | T6000 | T6000 | T6000 | T6000 | | T6000 | T6000 | T6000 | T6000 | T6000 |
| R4SH20 | • | | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | T7000 |
| R4SH24 | • | | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | T7000 |
| R4SH32 | • | | | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | T7000 |
| RQP1 | D | S | Sv | E | I | | | | | | | | | | | |
| RQP14 | | | • | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |
| RQP15 | | | • | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |
| RQP16 | | | • | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |
| RQP18 | | | • | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |
| RQP110 | | | • | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |
| RQP112 | | | • | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |
| RQP116 | | | • | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |

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HOSE TYPE APPROVALS

| RYCO HOSE TYPE APPROVALS | | | | | | | | | | | | | | | | | | |
|--------------------------|---------|--------|----------|--------|------------|---|---|---|---|---|---|--|---|---|---|---|-------|--|
| HOSE SERIES | DIEHARD | SLIDER | SURVIVOR | ENERGY | ICEBREAKER |  |  |  |  |  |  |  |  |  |  |  | | |
| RQP2 | D | S | Sv | E | I | | | | | | | | | | | | | |
| RQP24 | | | • | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | | | |
| RQP25 | | | • | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | | | |
| RQP26 | | | • | | | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | | |
| RQP28 | | | • | | | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | | |
| RQP210 | | | • | | | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | | |
| RQP212 | | | • | | | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | | |
| RQP216 | | | • | | | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | | |
| RQP220 | | | • | | | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T7000 | | T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | T2000 & T7000 | | |
| RQP224 | | | • | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | T7000 | | |
| *RQP5 | D | S | Sv | E | I | | | | | | | | | | | | | |
| RQP54 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | |
| RQP55 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | |
| RQP56 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | |
| RQP58 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | |
| RQP510 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | |
| RQP512 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | |
| RQP516 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | |
| RQP520 | | | | | | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | |
| RQP524 | | | | | | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | |
| RQP532 | | | | | | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | |
| D2B | D | S | Sv | E | I | | | | | | | | | | | | | |
| D220B | | | • | | | T7000 | T7000 | T7000 | T7000 | T7000 | | T7000 | T7000 | T7000 | T7000 | T7000 | | |
| D224B | | | • | | | T7000 & T2000 | T7000 & T2000 | T7000 & T2000 | T7000 & T2000 | T7000 & T2000 | | T7000 & T2000 | T7000 & T2000 | T7000 & T2000 | T7000 & T2000 | T7000 & T2000 | | |
| D232B | | | • | | | T7000 & T2000 | T7000 & T2000 | T7000 & T2000 | T7000 & T2000 | T7000 & T2000 | | T7000 & T2000 | T7000 & T2000 | T7000 & T2000 | T7000 & T2000 | T7000 & T2000 | | |
| *T5 | D | S | Sv | E | I | | | | | | | | | | | | | |
| T54 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | |
| T55 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | |
| T56 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | |
| T58 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | |
| T510 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | |
| T512 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | |
| T516 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | |
| T520 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | T4000 | |
| T524 | | | | | | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | |
| T532 | | | | | | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | V000 | |

* NOTE: For marine application Type Approval compliance, FS1072 FIRESLEEVE and FSTAPE must be used with RYCO RTH1, SR, SRF, SRX, M2, T5 and RQP5 hose.

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| RYCO HOSE TYPE APPROVALS | | | | | | | | | | | | | | | | |
|--------------------------|---------|--------|----------|--------|------------|-------|--------|-------|-------|-------|-----|--------|-------|-------|-------|-------|
| HOSE SERIES | DIEHARD | SLIDER | SURVIVOR | ENERGY | ICEBREAKER | ABS | DNV-GL | LR | MED | USCG | DOT | GOST-R | BV | RINA | KR | MA-KA |
| BT1 | D | S | Sv | E | I | | | | | | | | | | | |
| BT14 | | | • | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |
| BT15 | | | • | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |
| BT16 | | | • | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |
| BT18 | | | • | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |
| BT110 | | | • | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |
| BT112 | | | • | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |
| BT116 | | | • | | | T2000 | T2000 | T2000 | T2000 | T2000 | | T2000 | T2000 | T2000 | T2000 | |
| *SRF | D | S | Sv | E | I | | | | | | | | | | | |
| SRF12 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | | T4000 | T4000 | T4000 | T4000 | |
| SRF16 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | | T4000 | T4000 | T4000 | T4000 | |
| SRF20 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | | T4000 | T4000 | T4000 | T4000 | |
| SRF24 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | | T4000 | T4000 | T4000 | T4000 | |
| SRF32 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | | T4000 | T4000 | T4000 | T4000 | |
| *RTH1 | D | S | Sv | E | I | | | | | | | | | | | |
| RTH14 | | | | | | TT000 | TT000 | TT000 | TT000 | TT000 | | TT000 | TT000 | TT000 | TT000 | |
| RTH16 | | | | | | TT000 | TT000 | TT000 | TT000 | TT000 | | TT000 | TT000 | TT000 | TT000 | |
| RTH18 | | | | | | TT000 | TT000 | TT000 | TT000 | TT000 | | TT000 | TT000 | TT000 | TT000 | |
| RTH110 | | | | | | TT000 | TT000 | TT000 | TT000 | TT000 | | TT000 | TT000 | TT000 | TT000 | |
| RTH112 | | | | | | TT000 | TT000 | TT000 | TT000 | TT000 | | TT000 | TT000 | TT000 | TT000 | |
| RTH116 | | | | | | TT000 | TT000 | TT000 | TT000 | TT000 | | TT000 | TT000 | TT000 | TT000 | |
| *M2 | D | S | Sv | E | I | | | | | | | | | | | |
| M24 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | | T4000 | T4000 | T4000 | T4000 | |
| M25 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | | T4000 | T4000 | T4000 | T4000 | |
| M26 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | | T4000 | T4000 | T4000 | T4000 | |
| M28 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | | T4000 | T4000 | T4000 | T4000 | |
| M212 | | | | | | T4000 | T4000 | T4000 | T4000 | T4000 | | T4000 | T4000 | T4000 | T4000 | |

* NOTE: For marine application Type Approval compliance, FS1072 FIRESLEEVE and FSTAPE must be used with RYCO RTH1, SR, SRF, SRX, M2, T5 and RQP5 hose.

Refer to www.RYCO.com.au for current approval certificates & further details.

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DIEHARD

HOSE THAT WONT SAY DIE

EXTRA ABRASION RESISTANT

FRAS - FLAME RESISTANT ANTI STATIC



RYCO QUALITY

HIGHLY FLEXIBLE

RYCO

SURVIVOR

THE HEAT IS ON

HIGH TEMPERATURE RESISTANCE

MSHA - FLAME RESISTANT

RYCO SURVIVOR RQP216 1" -16 DN25 MAX WP 167

RYCO QUALITY

MULTI FLUID

HOSE COVERS



RYCO ENERGY

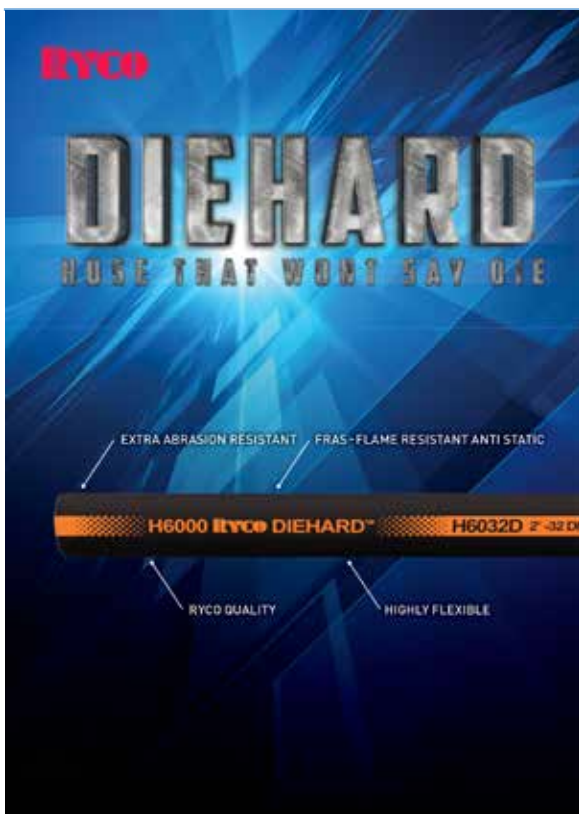
ENERGY AND PERFORMANCE

- **ABRASION RESISTANT**
- **OZONE RESISTANT**
- **STANDARD AND COMPACT HOSE TYPES**

RYCO **ENERGY COMPACT** will ensure the hydraulic system will meet the endurance required to get the job done.

Constructed with two braids of high tensile steel wire, the specially formulated black synthetic cover is oil resistant, and ideally suited for the agricultural market.

RYCO **ENERGY COMPACT** is available in sizes ranging from 1/4" (-04) to 1" (-16) and meets or exceeds the performance requirements of SAE 100R16. RYCO **ENERGY COMPACT** has been designed and manufactured to match with RYCO's T2000 series coupling range.



RYCO DIEHARD™

HOSE THAT WON'T SAY DIE

- **EXTRA ABRASION RESISTANT**
- **MSHA FLAME RESISTANT**
- **FRAS FLAME RESISTANT & ANTI-STATIC**

DIEHARD™ has a synthetic rubber cover that is extra resistant to abrasion and complies with Flame Resistant and Anti-Static (FRAS) requirements of AS 2660 methods of test AS 1180.10B and AS 1180.13A, also meeting USA MSHA requirements. **DIEHARD™** complies with ISO 6945 method of test for abrasion resistance being less than 10% of the maximum weight loss allowed by EN 853, EN 856 and EN 857.

HYDRAULIC HOSE COVERS TO SUIT YOUR NEEDS

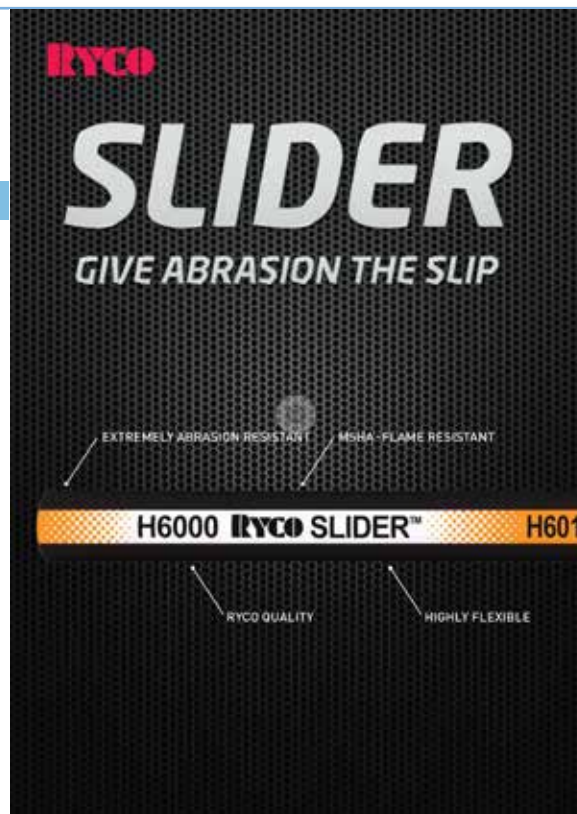
RYCO Hose styles cover a broad range of hydraulic applications. Different applications require different performance criteria. RYCO ENERGY, DIEHARD™, SLIDER and SURVIVOR™ tube and cover compounds offer a perfect choice and are available across a range of our Hose Styles.

RYCO SLIDER

GIVE ABRASION THE SLIP

- EXTREMELY ABRASION RESISTANT
- MSHA FLAME RESISTANT

SLIDER has an additional layer of polyethylene protection over the rubber cover of the hose. The result is an extremely abrasion resistant cover that complies with Flame Resistant requirement of AS 2660 method of test AS1180.10B, meeting USA MSHA requirements. SLIDER complies with ISO 6945 method of test for abrasion resistance being less than 0.2% of that allowed by EN 853, EN 856 and EN 857.

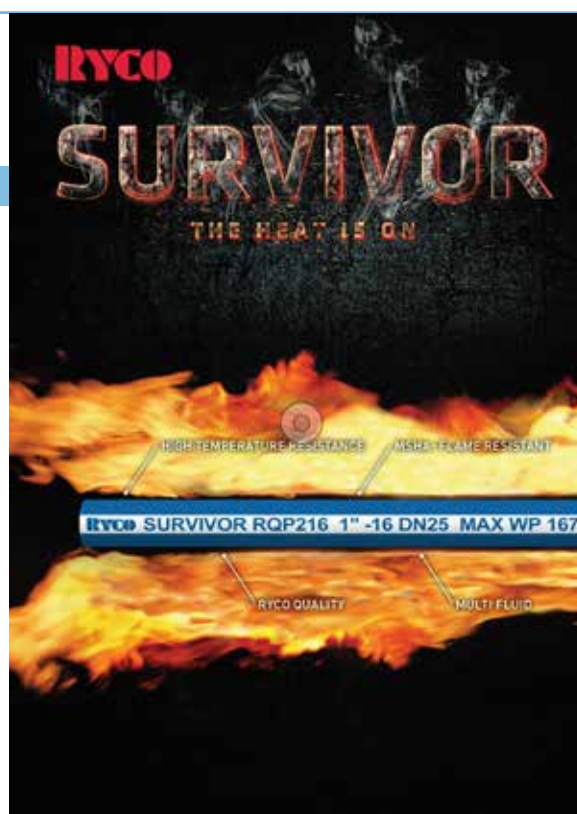


RYCO SURVIVOR™

THE HEAT IS ON

- HIGH TEMPERATURE (150°C/302°F)
- MSHA FLAME RESISTANT

Designed for high temperature applications and suitable for use with a variety of fluids.





SLIDER

GIVE ABRASION THE SLIP

EXTREMELY ABRASION RESISTANT

MSHA - FLAME RESISTANT

H6000 **RYCO SLIDER™**

H6016

RYCO QUALITY

HIGHLY FLEXIBLE

MAXIMUM WORKING PRESSURES

Maximum Working Pressures shown below (except for **RYCO PL1D, PL1PV, RQP6** Series) are Dynamic Working Pressures for use with hydraulic fluid in systems with pressure surges or variable loads and are based on 4:1 safety factor (minimum burst to maximum working pressure).

RYCO PL1D, PL1PV and **RQP6** hoses are recommended for use with **RYCO 8000 Series** Push-On Fittings in systems with Static Working Pressures only, and are not recommended for vibration or pressure surge applications. The Maximum Working Pressures for **PL1D, PL1PV** and **RQP6** shown below are Static Working Pressures.

Hose subjected to both maximum temperature and maximum working pressure will have a shortened lifetime.

| HOSE SIZE | | | T3000D/S | T3600C/D/S | T4000D/S | T5000D/S | T6000D/S | H3000D/S | H4000D/S | H5000C/D/S | H6000D/S | C6000D/S | DF1D | DF2D | DK1D/E/S | DK2D/E/S | EC1 | EC2 | E1 | E2 | T1D/S | T1F | T2D/S | T2C | TXA2D | H12D/S |
|-----------|-------|------|----------|------------|----------|----------|----------|----------|----------|------------|----------|----------|------|------|----------|----------|-----|-----|-----|-----|-------|-----|-------|-----|-------|--------|
| DN | INCH | DASH | BAR | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 1/8 | -02 | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 3/16 | -03 | | | | | | | | | | | | | | | | | | | | 250 | 250 | | | |
| 6 | 1/4 | -04 | 215 | 250 | 280 | 350 | 420 | | | | | | 225 | 420 | 295 | 450 | 225 | 400 | 225 | 400 | 225 | 225 | 420 | 420 | | |
| 8 | 5/16 | -05 | 215 | 250 | 280 | 350 | 420 | | | | | | 215 | 350 | 250 | 420 | 215 | 350 | 215 | 350 | 215 | 215 | 350 | 350 | | |
| 10 | 3/8 | -06 | 215 | 250 | 280 | 350 | 420 | | 280 | 350 | 420 | | 180 | 350 | 230 | 385 | 180 | 330 | 180 | 330 | 180 | 180 | 350 | 350 | | 350 |
| 12 | 1/2 | -08 | 215 | 250 | 280 | 350 | | | 280 | 350 | 420 | | 160 | 295 | 200 | 345 | 160 | 275 | 160 | 275 | 160 | 160 | 350 | 350 | 375 | 350 |
| 16 | 5/8 | -10 | 215 | 250 | 280 | | | | 280 | 350 | 420 | | 130 | 250 | 150 | 290 | 130 | 250 | 130 | 250 | 130 | 130 | 250 | 250 | 350 | 350 |
| 19 | 3/4 | -12 | 215 | 250 | 280 | | | | 280 | 350 | 420 | 420 | 105 | 215 | 125 | 280 | 105 | 215 | 105 | 215 | 105 | 105 | 215 | 215 | 315 | 350 |
| 25 | 1 | -16 | 215 | 250 | | | | | 280 | 350 | 420 | 420 | 90 | 170 | 110 | 200 | 90 | 165 | 90 | 165 | 90 | 90 | 175 | 175 | 225 | 350 |
| 31 | 1.1/4 | -20 | | | | | | 215 | 280 | 350 | 420 | | | 140 | 100 | 175 | | | | | 65 | | 140 | 140 | | 275 |
| 38 | 1.1/2 | -24 | | | | | | 215 | 280 | 350 | 420 | | | | | | | | | | 50 | | 100 | 100 | | 255 |
| 51 | 2 | -32 | | | | | | 215 | 280 | 350 | 420 | | | | | | | | | | 40 | | 90 | 90 | | 210 |
| 63 | 2.1/2 | -40 | | | | | | | | | | | | | | | | | | | | | 70 | | | 140 |
| 76 | 3 | -48 | | | | | | | | | | | | | | | | | | | | | 70 | | | |

| HOSE SIZE | | | R4SPD | R4SHD | TJ2D | RQP1 | D4000D | RQP2 | RQP5 | RQP6 | D2B | T5 | MS1000 | CS1000 | BT1 | SW | J54000/G/GX/BX | J56000/G/GX/BX | SRF | SRX | RTH1 | PL1D | PL1PV | M1 | |
|-----------|-------|------|-------|-------|------|------|--------|------|------|------|-----|-----|--------|--------|-----|------|----------------|----------------|-----|-----|------|------|-------|-----|--|
| DN | INCH | DASH | BAR | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 1/8 | -02 | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 3/16 | -03 | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 1/4 | -04 | | | 700 | 225 | | 400 | 210 | 28 | | 210 | | | 50 | | 280 | 420 | | | 170 | 30 | 30 | 3,5 | |
| 8 | 5/16 | -05 | | | | 215 | | 350 | 210 | 28 | | 210 | | | 50 | | 280 | 420 | | | | 30 | 30 | 3,5 | |
| 10 | 3/8 | -06 | 445 | | 700 | 180 | | 350 | 157 | 28 | | 157 | | | 50 | 1250 | 280 | 420 | | | 165 | 30 | 30 | 3,5 | |
| 12 | 1/2 | -08 | 420 | | | 160 | 280 | 300 | 140 | 28 | | 140 | 70 | 70 | 50 | 1100 | 280 | 420 | | | 120 | 30 | 30 | | |
| 16 | 5/8 | -10 | 380 | | | 130 | | 250 | 122 | 24 | | 122 | 70 | 70 | 50 | 1000 | | | | | 105 | 26 | 26 | | |
| 19 | 3/4 | -12 | 380 | 420 | | 105 | 280 | 215 | 105 | 21 | | 105 | 70 | 70 | 50 | 700 | | | 21 | 21 | 85 | 22 | 22 | | |
| 25 | 1 | -16 | 350 | 380 | | 90 | 280 | 167 | 56 | | | 56 | 70 | 70 | 50 | 700 | | | | 17 | 17 | 55 | | | |
| 31 | 1.1/4 | -20 | | 350 | | | | 150 | 43 | | 140 | 43 | 70 | 70 | | | | | 14 | 14 | | | | | |
| 38 | 1.1/2 | -24 | | 300 | | | | 100 | 35 | | 100 | 35 | 70 | 70 | | | | | 11 | 11 | | | | | |
| 51 | 2 | -32 | | 250 | | | | 90 | 24 | | 90 | 24 | 70 | 70 | | | | | 7 | 7 | | | | | |
| 63 | 2.1/2 | -40 | | | | | | | | | | | | | | | | | | | 4 | | | | |
| 76 | 3 | -48 | | | | | | | | | | | | | | | | | | | 4 | | | | |

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SPECIFICATIONS SUMMARY

MAXIMUM WORKING PRESSURES (CONT)

| HOSE SIZE | | | MP1 | M2 | M2G | TP7, TP7N | TP7T, TP7TN | TP8, TP8N | TP8T, TP8TN | TP3000 | TPGL |
|-----------|-------|------|------|----|-----|-----------|-------------|-----------|-------------|--------|------|
| DN | INCH | DASH | | | | | | | | | |
| 3 | 1/8 | -02 | | | | | | | | | 250 |
| 5 | 3/16 | -03 | | | | 210 | | | | | |
| 6 | 1/4 | -04 | 13,8 | 88 | 2,6 | 210 | 210 | 350 | 350 | 210 | |
| 8 | 5/16 | -05 | | | | 190 | 190 | | | | |
| 10 | 3/8 | -06 | 13,8 | 78 | 2,6 | 160 | 160 | 280 | 280 | 210 | |
| 12 | 1/2 | -08 | 13,8 | 70 | 2,6 | 140 | 140 | 245 | 245 | 210 | |
| 16 | 5/8 | -10 | 13,8 | | | | | | | | |
| 19 | 3/4 | -12 | 13,8 | 52 | 2,6 | 90 | | | | | |
| 25 | 1 | -16 | 13,8 | | | 70 | | | | | |
| 31 | 1.1/4 | -20 | 13,8 | | | | | | | | |
| 38 | 1.1/2 | -24 | | | | | | | | | |
| 51 | 2 | -32 | | | | | | | | | |
| 63 | 2.1/2 | -40 | | | | | | | | | |
| 76 | 3 | -48 | | | | | | | | | |

PRESSURE CONVERSION CHART 1 BAR = 14.5 PSI 1 MPA = 10 BAR

| | | | | | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| bar | 4 | 7 | 10 | 12 | 14 | 17 | 20 | 24 | 28 | 39 | 55 | 69 | 80 | 90 | 120 | 130 |
| psi | 58 | 100 | 145 | 175 | 200 | 250 | 300 | 350 | 400 | 565 | 800 | 1000 | 1160 | 1300 | 1740 | 1890 |
| bar | 160 | 180 | 200 | 215 | 225 | 250 | 300 | 337 | 350 | 375 | 400 | 420 | 435 | 500 | 585 | 690 |
| psi | 2300 | 2600 | 2900 | 3100 | 3250 | 3600 | 4350 | 4900 | 5100 | 5440 | 5800 | 6080 | 6310 | 7250 | 8480 | 10000 |

The Working Pressure of each Hose Coupling End Termination Style is shown in the Technical section. In most cases, the Working Pressure of the Hose Coupling End Termination Style that can be chosen for a particular hose exceeds the Maximum Working Pressure of the Hose.

It is possible however, to select a Hose Coupling with End Termination with lower Working Pressure than the Hose. In this case, as noted in SAE J516 and SAE J517, the rated Working Pressure of the Hose Assembly must not exceed the lower of the respective Working Pressure rated values.

EXAMPLE 1.

T28D Hose Assembly with T2030-0812 coupling one end and T2090-0808 coupling other end.

From above table or from page 101, Maximum Working Pressure of T28D is 350 bar.

From page 203 and the technical section pages 496 to 500 the Maximum Working Pressure of T2030-0812 is 690 bar.

From page 199, and the technical section pages 496 to 500 the Maximum Working Pressure of T2090-0808 is 690 bar.

The Maximum Working Pressure of the Hose Assembly is therefore 350 bar, the lowest of the respective Working Pressure rated values (in this case, the hose).

EXAMPLE 2.

H5016D Hose Assembly with T7130-1620 coupling one end and T7030-1621 coupling other end.

From above table or from page 78, Maximum Working Pressure of H5016D is 350 bar.

From page 292 and the technical section pages 496 to 500 the Maximum Working Pressure of T7130-1620 is 280 bar.

From page 280 and the technical section pages 496 to 500 the Maximum Working Pressure of T7030-1621 is 420 bar.

The Maximum Working Pressure of the Hose Assembly is therefore 280 bar, the lowest of the respective Working Pressure rated values (in this case, the T7130-1620).

See page 188 for more information.

IMPULSE LIFE

Although two or more hoses manufactured to different industry standard specifications may have identical Maximum Working Pressures, their suitability for the application must be considered. An important factor to consider is the magnitude and frequency of the pressure impulses that the hose assembly will experience.

FLAME RESISTANCE

All RYCO Hoses (except **RYCO JS, T3600C, H5000C, M1, MP1, PW2, TW1, TP7, TP7N, TP7T, TP7TN, TP8, TP8N, TP8T, TP8TN, TP3000, RQP5, SRX, SRF, T5, RTH1 & PL1** Series) meet Flame Resistant Designation "U.S. MSHA" of the U.S. Department of Labor, Mine Safety and Health Administration and also comply with Flame Resistant requirements of Australian Standard AS 2660 and Method of Test AS 1180.10B. Contact RYCO Technical Department for more information.

MINIMUM BEND RADIUS

Minimum Bend Radius figures published are the radius to the cover of the Hose at the inside of the bend.

RYCO Hose Assemblies exceed the required impulse test requirements when bent to the published Minimum Bend Radius. Hose assemblies bent to smaller than the Minimum Bend Radius will have shortened lifetime.

ANTI-STATIC

"Anti-Static" refers to Hoses or Hose Assemblies being sufficiently electrically conductive to drain off static electricity.

According to the requirements of AS 2660 Clause 2.2, the Hose or Hose assembly shall have an electrical resistance (measured from inside surface to outside surface) of less than 1 megohm per metre, when tested according to Method of Test AS 1180.13A. For applications requiring Anti-Static Hydraulic Hose Assemblies including, but not limited to, underground coal mines, where there is danger of ignition from static electricity discharge, only special Anti-Static Hose can be used.

RYCO DIEHARD™ Hoses and COALSPRAY comply with the requirements of AS 2660 and Method of Test AS 1180.13A.

NON CONDUCTIVE

Certain applications require that a Hose, or Hose Assembly, be Non-Conductive to prevent electrical current flow.

For applications that require a Hose to be electrically Non-Conductive including, but not limited to, applications near high voltage electric lines, only special Non-Conductive Hoses can be used.

SKIVE/NON-SKIVE

Skiving refers to removing the cover at the ends of the Hose where the Hose Couplings are to be attached*.

Most RYCO combinations of Hose and Couplings are Non-Skive.

In a Non-Skive application, RYCO couplings bite down through the cover and grip the wire reinforcement.

Some combinations of RYCO Hose and Couplings require skiving. If skiving is required, it is clearly stated in both the Hose Section and the Couplings Section.

OUTSIDE DIAMETERS

See page 153 for reference chart of outside diameters.

SAFETY GUIDE – MAXIMUM TEMPERATURE LIMITS

Some RYCO Hose Series are not listed on page 58: **T1F, TJ2D, M2G, M1, RTH1, MP1**.

These Hoses are specific purpose Hoses, and their temperature limits are specified in the Hose Section of this Product Technical Manual. Contact RYCO Technical Department for any further queries.

Other RYCO Hose Series are listed on page 58. The Maximum Working Temperatures for these hoses, as listed in the Hose Section of this Product Technical Manual are for use with general purpose, mineral (petroleum) oil based hydraulic fluids, except where otherwise stated. Temperature limits for other hydraulic fluids, and some other common applications, are listed on page 58.

CAUTION:

Life expectancy of hoses is shortened at high temperatures. Detrimental effects increase when temperature is elevated, and also when; operating pressure, flow velocity, duration and frequency of exposure, and level of impurities in the media are high. Actual service life at temperatures approaching the recommended limits will depend on the particular application and the fluid being used.

Maximum Working Temperatures refer to the temperature of the media in the hose; not the environmental temperature around the outside of the hose. Please contact RYCO Technical Department for environmental temperatures in excess of 80°C (176°F), except **RQP1, RQP2, RQP5** and **RQP6** Series where environmental temperature is the same as media temperature.

Maximum Working Temperatures shown are for continuous temperatures. Slightly higher intermittent temperatures (up to 10% of time) may be acceptable with some hoses and some fluids, if reduced service life is acceptable. Please contact RYCO Technical Department for more information.

DO NOT expose Hose to Maximum Temperature and Maximum Working Pressure at the same time.

The fluid manufacturer's recommended maximum operating temperature for the fluid must not be exceeded. If different to the temperatures listed in the following table, the lower limit must take precedence. We recommend keeping the hose filled with the pressure medium at all times. Further information available on request.

SPECIFICATIONS SUMMARY

| HOSE COVER | GROUP 1 | GROUP 2 | GROUP 3 | GROUP 4 | GROUP 5 |
|---------------------|---|--|------------|--|---------------------|
| ENERGY | E1, E2, EC1, EC2, DK1E, DK2E | | | | |
| DIEHARD | T3000D, T4000D, T5000D, T6000D, T1D, T2D, TXA2D, DF1D, DF2D, DK1D, DK2D, TJ2D, PL1D | H3000D, H4000D, H5000D, H6000D, C6000D, H12D, R4SPD, R45HD, D4000D | | | |
| SLIDER | T3000S, T4000S, T5000S, T6000S, T1S, T2S, DK1S, DK2S | H3000S, H4000S, H5000S, H6000S, C6000S, H12S | | | |
| SURVIVOR | BT1 *** | D2B | RQP1, RQP2 | | |
| ICEBREAKER | M2G, M1, RTH1, MP1 | | | | T3600C, H5000C, T2C |
| OTHER SERIES | SRF, SRX, M2, T5, T1F, PL1PV, CS1000, MS1000 | | RQP5, RQP6 | TP7, TP7N, TP7T, TP7TN, TP8, TP8N, TP8T, TP8TN, TP3000, TPGL | |

| MEDIA | TEMPERATURE LIMITS | | | | |
|--|--|---|---|---|------------------------------------|
| GENERAL PURPOSE MINERAL PETROLEUM BASED HYDRAULIC OIL¹ | -40°C to +100°C -40°F to +212°F | -40°C to +121°C -40°F to +250°F | -40°C to +150°C -40°F to +302°F RQP6: -40° to +135°C -40°F to +275°F | -40°C to +95°C -40°F to +203°F | -60°C to +100°C -76°F to +212°F |
| WATER | 0°C to +71°C +32°F to +160°F | 0°C to +71°C +32°F to +160°F | 0°C to +121°C +32°F to +250°F | 0°C to +70°C +32°F to +158°F | 0°C to +71°C +32°F to +160°F |
| WATER IN MINERAL OIL 40% to 80% water | -40°C to +85°C -40°F to +185°F | -40°C to +85°C -40°F to +185°F | -40°C to +121°C -40°F to +250°F | -40°C to +70°C -40°F to +158°F | -60°C to +80°C -60°F to +176°F |
| MINERAL OIL IN WATER more than 80% water | -40°C to +85°C -40°F to +185°F | -40°C to +85°C -40°F to +185°F | -40°C to +121°C -40°F to +250°F | -40°C to +70°C -40°F to +158°F | -60°C to +80°C -60°F to +176°F |
| WATER/GLYCOL | -40°C to +85°C -40°F to +185°F | -40°C to +85°C -40°F to +185°F | -40°C to +121°C -40°F to +250°F | -40°C to +70°C -40°F to +158°F | -60°C to +80°C -60°F to +176°F |
| GLYCOL | -40°C to +85°C -40°F to +185°F | -40°C to +85°C -40°F to +185°F | -40°C to +85°C -40°F to +185°F | -40°C to +70°C -40°F to +158°F | -60°C to +80°C -60°F to +176°F |
| PHOSPHATE ESTERS | Not suitable | Not suitable | Not suitable | 40°C to +70°C -40°F to +158°F see Note 2 | Not suitable |
| AIR³ | -40°C to +71°C (-40°F to +160°F) | -40°C to +71°C -40°F to +160°F see Note 3 | -40°C to +121°C -40°F to +250°F RQP6: -40°C to +100°C -40°F to +212°F See note 3 | -40°C to +71°C -40°F to +160°F See note 3 | -60°C to +71°C -60°F to +160°F |
| PETROL GASOLINE | Contact RYCO | Contact RYCO | Contact RYCO | Contact RYCO | Contact RYCO |
| DIESEL FUEL | PL1D: -40°C to +49°C -40°F to +160°F T5: -40°C to +71°C -40°F to +160°F OTHERS: -40°C to +50°C -40°F to +122°F | -40°C to +50°C -40°F to +122°F | RQP1 and RQP2 -40°C to 100°C -40°F to +212°F RQP6: -40°C to +71°C -40°F to +160°F | | -60°C to +71°C -60°F to +160°F |
| ENGINE LUBRICATING OIL, GEARBOX OIL | -40°C to +100°C -40°F to +212°F | -40°C to +100°C -40°F to +212°F | -40°C to +100°C -40°F to +212°F | -40°C to +95°C -40°F to +203°F | -60°C to +80°C -60°F to +176°F |
| AUTOMATIC TRANSMISSION FLUID | -40°C to +100°C -40°F to +212°F | -40°C to +100°C -40°F to +212°F | -40°C to +100°C -40°F to +212°F | -40°C to +95°C -40°F to +203°F | -60°C to +80°C -60°F to +176°F |

1 For highly refined and special purpose mineral based hydraulic oils (for example aviation hydraulic oils, MIL spec oils, etc), contact RYCO Technical Department.

2 Not suitable for use with aerospace type phosphate esters such as Monsanto Skydrol 500B, Stauffer Aero-Safe 2300W and Chevron Hy-jet IV.

3 For use with Air at pressures above 17,2 bar (250 psi), cover of hose must be perforated/pin-pricked (except RQP5 and T5), to allow air permeating through hose to escape without blistering the cover. Maximum working pressure of wire braid and spiral reinforced hose must be reduced by 30% (except for RQP1 and RQP2). Observe all State and Federal Safety Regulations.

ISOBARIC HOSE

1/2 BEND RADIUS

MILLION CYCLE

PERFORMANCE AT A GLANCE:

H SERIES ISOBARIC SPIRAL HOSE

- Half SAE minimum bend radius.
- Highly flexible for easier routing and installation.
- Isobaric pressure from 215 bar/3100 psi (H3000) to 420 bar/6100 psi (H6000).
- Lighter weight means your hydraulic system is more compact and economical.
- 81 products in the H series Spiral range.
- Includes "World First" H6032 2" (DN51) hose.

T SERIES ISOBARIC BRAID HOSE

- Half SAE minimum bend radius.
- Highly flexible for easier routing and installation.
- Isobaric pressure from 215 bar/3100 psi (T3000) to 420 bar/6100 psi (T6000).
- Lighter weight means your hydraulic system is more compact and economical.
- 81 products in the T series Braid hose range.
- T3000 Braid is proven to impulse test of one million cycles in all sizes.
- Meets and exceeds the performance requirements of ISO 18752 (all series).

WHAT PRESSURE IS YOUR SYSTEM?



215 bar
3100 psi



250 bar
3625 psi



280 bar
4100 psi



350 bar
5100 psi



420 bar
6100 psi



RYCO MATCHED SYSTEM

RYCO hoses and couplings are designed and engineered to match for maximum safety, leak free performance and exceptional productivity and reliability.

H SERIES SPIRAL HOSE:



T6000 SERIES
Non-skive one-piece crimp
 For RYCO Hose Series:
 H5000 sizes -24 to -32.
 H6000 sizes -12 to -32.



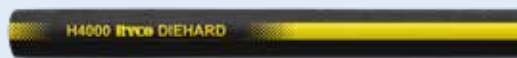
T7000 SERIES
Non-skive one-piece crimp
 For RYCO Hose Series:
 H3000, H4000 all sizes.
 H5000 sizes -06 to -24.
 H6000 sizes -06 to -20.
 H12D, H12S all sizes.
 R4SHD sizes -20 to -32
 D2B sizes -24 to -32

T SERIES BRAID HOSE:



T2000 SERIES
Non-skive one-piece crimp
 For RYCO Hose Series:
 T3000, T3600, T4000, T5000 & T6000
 all sizes.
 E2 sizes -06 to -16.
 D2B sizes -20 to -32

RYCO HOSE COVERS:



DIEHARD™

- Extra abrasion resistant
- MSHA flame resistant
- FRAS flame resistant and anti-static



SLIDER

- Extremely abrasion resistant
- MSHA flame resistant

LAYLINE IDENTIFICATION

Colour-coded system enables easy and permanent identification of hoses.

PRESSURE RANGE / HOSE SERIES:

| | |
|--|------------------|
| | 420 bar/6100 psi |
| | 350 bar/5100 psi |
| | 280 bar/4100 psi |
| | 250 bar/3625 psi |
| | 215 bar/3100 psi |

COVER TYPE:



PART NUMBER:

Incorporates information relating to RYCO hose series, nominal hose size, and cover type in a simple, concise manner.

SIZE:

The nominal size of the hose is displayed in three commonly used formats (example shown below in appearance of order):

2" (Inch Size)
 -32 (Dash Size)
 DN51 (Metric / DN Size)

WORKING PRESSURE:

RYCO Isobaric range of hose working pressures vary from 215 bar/3100 psi to 420 bar /6100 psi.

FLAME RESISTANCE:

Flame Resistance and Anti-Static (FRAS) and/or MSHA flame resistance properties of the hose are clearly stated and visible.



HOSE

ISOBARIC BRAID

T3000D

EXTRA ABRASION RESISTANT
FRAS
COMPACT ISOBARIC HOSE
215 BAR / 3100 PSI
MILLION CYCLE



RECOMMENDED FOR:

High pressure hydraulic oil lines. Constant pressure (isobaric) 215 bar / 3100 psi in all sizes. Small bend radius and compact dimensions are advantages in installations.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: ISO 18752-BC, SAE 100R17.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One braid (-04 to -08 size) or two braids (-10 to -16 size) of high tensile steel wire.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:

Tested to **1 million impulse cycles**. Constant pressure 215 bar / 3100 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

-40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, CLASSNK, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -16) pages 189 to 234.
Assembly Instructions pages 480.

| T3000D - DIEHARD COMPACT ISOBARIC HOSE | | | | | | | | | | | | | | | |
|---|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|-----|----------------|------|------------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| T3004D | 6 | -04 | 6,6 | 1/4 | 11,8 | 0.46 | 245 | 3500 | 980 | 14000 | 38 | 1.5 | 0,16 | 0.11 | T2000 |
| T3005D | 8 | -05 | 8,2 | 5/16 | 14,4 | 0.57 | 245 | 3500 | 980 | 14000 | 40 | 1.6 | 0,23 | 0.15 | T2000 |
| T3006D | 10 | -06 | 9,8 | 3/8 | 15,6 | 0.61 | 215 | 3100 | 860 | 12400 | 65 | 2.6 | 0,26 | 0.18 | T2000 |
| T3008D | 12 | -08 | 13,0 | 1/2 | 18,7 | 0.74 | 215 | 3100 | 860 | 12400 | 90 | 3.6 | 0,36 | 0.24 | T2000 |
| T3010D | 16 | -10 | 16,2 | 5/8 | 23,4 | 0.92 | 215 | 3100 | 860 | 12400 | 100 | 3.9 | 0,56 | 0.38 | T2000 |
| T3012D | 19 | -12 | 19,1 | 3/4 | 27,6 | 1.09 | 215 | 3100 | 860 | 12400 | 120 | 4.7 | 0,78 | 0.52 | T2000 |
| T3016D | 25 | -16 | 25,4 | 1 | 34,8 | 1.37 | 215 | 3100 | 860 | 12400 | 150 | 5.9 | 1,14 | 0.77 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths,

T3000S

EXTREMELY ABRASION RESISTANT
MSHA
COMPACT ISOBARIC HOSE
215 BAR / 3100 PSI
MILLION CYCLE

RECOMMENDED FOR:

High pressure hydraulic oil lines. Constant pressure (Isobaric) 215 bar / 3100 psi in all sizes. Small bend radius and compact dimensions are advantages in installations.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: ISO 18752-BC, SAE 100R17.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One braid (-04 to -08 size) or two braids (-10 to -16 size) of high tensile steel wire.

COVER:

SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:

Tested to **1 million impulse cycles**.

Constant pressure 215 bar / 3100 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

MSHA - FLAME RESISTANCE:

SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

-40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -16) pages 189 to 234. Assembly Instructions pages 480.

| T3000S - SLIDER COMPACT ISOBARIC HOSE | | | | | | | | | | | | | | | |
|--|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|-----|----------------|------|---------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| T3004S | 6 | -04 | 6,6 | 1/4 | 11,8 | 0.46 | 245 | 3500 | 980 | 14000 | 38 | 1.5 | 0,16 | 0.11 | T2000 |
| T3005S | 8 | -05 | 8,2 | 5/16 | 14,4 | 0.57 | 245 | 3500 | 980 | 14000 | 40 | 1.6 | 0,23 | 0.15 | T2000 |
| T3006S | 10 | -06 | 9,8 | 3/8 | 15,6 | 0.61 | 215 | 3100 | 860 | 12400 | 65 | 2.6 | 0,26 | 0.18 | T2000 |
| T3008S | 12 | -08 | 13,0 | 1/2 | 18,7 | 0.74 | 215 | 3100 | 860 | 12400 | 90 | 3.6 | 0,36 | 0.24 | T2000 |
| T3010S | 16 | -10 | 16,2 | 5/8 | 23,4 | 0.92 | 215 | 3100 | 860 | 12400 | 100 | 3.9 | 0,56 | 0.38 | T2000 |
| T3012S | 19 | -12 | 19,1 | 3/4 | 27,6 | 1.09 | 215 | 3100 | 860 | 12400 | 120 | 4.7 | 0,78 | 0.52 | T2000 |
| T3016S | 25 | -16 | 25,4 | 1 | 34,8 | 1.37 | 215 | 3100 | 860 | 12400 | 150 | 5.9 | 1,14 | 0.77 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

ISOBARIC BRAID

T3600C

LOW TEMPERATURE
COMPACT ISOBARIC HOSE
250 BAR / 3625 PSI



RECOMMENDED FOR:

High pressure hydraulic oil lines in applications where low temperature environmental conditions exist.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: ISO 18752-BC.

TUBE:

Black, specially formulated oil resistant synthetic rubber.

REINFORCEMENT:

One braid (-04 to -06 size) or two braids (-08 to -16 size) of high tensile wire.

COVER:

Black, oil resistant and abrasion resistant synthetic rubber. No skiving required with T2000 Series Crimp Couplings.

FEATURES:

Extremely Flexible. Minimum Bend Radius 25% less than published SAE 100R17 Minimum Bend Radius. Tested to 500,000 cycles. Constant pressure 250 bar / 3625 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

TEMPERATURE RANGE:

From -60°C to +100°C (-76°F to +212°F).

For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -16) pages 189 to 234. Assembly Instructions pages 480.

| T3600D – DIEHARD COMPACT ISOBARIC HOSE | | | | | | | | | | | | | | | |
|---|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|------------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| T3604C | 6 | -04 | 6,6 | 1/4 | 11,8 | 0.46 | 250 | 3625 | 1000 | 14500 | 38 | 1.5 | 0,16 | 0.11 | T2000 |
| T3605C | 8 | -05 | 8,2 | 5/16 | 14,4 | 0.57 | 250 | 3625 | 1000 | 14500 | 40 | 1.6 | 0,23 | 0.15 | T2000 |
| T3606C | 10 | -06 | 9,8 | 3/8 | 15,6 | 0.61 | 250 | 3625 | 1000 | 14500 | 49 | 1.9 | 0,27 | 0.18 | T2000 |
| T3608C | 12 | -08 | 13,0 | 1/2 | 19,9 | 0.78 | 250 | 3625 | 1000 | 14500 | 68 | 2.7 | 0,45 | 0.30 | T2000 |
| T3610C | 16 | -10 | 16,2 | 5/8 | 23,4 | 0.92 | 250 | 3625 | 1000 | 14500 | 75 | 3.0 | 0,61 | 0.41 | T2000 |
| T3612C | 19 | -12 | 19,1 | 3/4 | 27,6 | 1.09 | 250 | 3625 | 1000 | 14500 | 90 | 3.6 | 0,78 | 0.52 | T2000 |
| T3616C | 25 | -16 | 25,4 | 1 | 35,2 | 1.39 | 250 | 3625 | 1000 | 14500 | 115 | 4.5 | 1,30 | 0.87 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T3600D

EXTRA ABRASION RESISTANT
FRAS
COMPACT ISOBARIC HOSE
250 BAR / 3625 PSI

RECOMMENDED FOR:

High pressure hydraulic oil lines. Constant pressure (Isobaric) 250 bar / 3625 psi in all sizes. Small bend radius and compact dimensions are advantages in installations.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: ISO 18752-BC.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One braid (-04 to -06 size) or two braids (-08 to -16 size) of high tensile wire.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:

Extremely Flexible. Minimum Bend Radius 25% less than published SAE 100R17 Minimum Bend Radius. Tested to 500,000 impulse cycles. Constant pressure 250 bar / 3625 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

-40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -04 to -16) pages 189 to 234. Assembly Instructions pages 480.

| T3600D - DIEHARD COMPACT ISOBARIC HOSE | | | | | | | | | | | | | | | |
|--|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|---------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| T3604D | 6 | -04 | 6,6 | 1/4 | 11,8 | 0.46 | 250 | 3625 | 1000 | 14500 | 38 | 1.5 | 0,16 | 0.11 | T2000 |
| T3605D | 8 | -05 | 8,2 | 5/16 | 14,4 | 0.57 | 250 | 3625 | 1000 | 14500 | 40 | 1.6 | 0,23 | 0.15 | T2000 |
| T3606D | 10 | -06 | 9,8 | 3/8 | 15,6 | 0.61 | 250 | 3625 | 1000 | 14500 | 49 | 1.9 | 0,27 | 0.18 | T2000 |
| T3608D | 12 | -08 | 13,0 | 1/2 | 19,9 | 0.78 | 250 | 3625 | 1000 | 14500 | 68 | 2.7 | 0,45 | 0.30 | T2000 |
| T3610D | 16 | -10 | 16,2 | 5/8 | 23,4 | 0.92 | 250 | 3625 | 1000 | 14500 | 75 | 3.0 | 0,61 | 0.41 | T2000 |
| T3612D | 19 | -12 | 19,1 | 3/4 | 27,6 | 1.09 | 250 | 3625 | 1000 | 14500 | 90 | 3.6 | 0,78 | 0.52 | T2000 |
| T3616D | 25 | -16 | 25,4 | 1 | 35,2 | 1.39 | 250 | 3625 | 1000 | 14500 | 115 | 4.5 | 1,30 | 0.87 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

ISOBARIC BRAID

T3600S

EXTREMELY ABRASION RESISTANT
COMPACT ISOBARIC HOSE
250 BAR / 3625 PSI



RECOMMENDED FOR:

High pressure hydraulic oil lines. Constant pressure (isobaric) 250 bar / 3625 psi in all sizes. Small bend radius and compact dimensions are advantages in installations.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: ISO 18752-BC.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One braid (-04 to -06 size) or two braids (-08 to -16 size) of high tensile wire.

COVER:

SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:

Extremely Flexible. Minimum Bend Radius 25% less than published SAE 100R17 Minimum Bend Radius. Tested to 500,000 impulse cycles. Constant pressure 250 bar / 3625 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

MSHA - FLAME RESISTANCE:

SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

-40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -16) pages 189 to 234. Assembly Instructions pages 480.

| T3600S - SLIDER COMPACT ISOBARIC HOSE | | | | | | | | | | | | | | | |
|--|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|------|----------------|-------|-----------------|-------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES | |
| | | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | ONE PIECE | |
| T3604S | 6 | -04 | 6,6 | 1/4 | 11,8 | 0.46 | 250 | 3625 | 1000 | 14500 | 38 | 1.5 | 0,16 | 0.11 | T2000 |
| T3605S | 8 | -05 | 8,2 | 5/16 | 14,4 | 0.57 | 250 | 3625 | 1000 | 14500 | 40 | 1.6 | 0,23 | 0.15 | T2000 |
| T3606S | 10 | -06 | 9,8 | 3/8 | 15,6 | 0.61 | 250 | 3625 | 1000 | 14500 | 49 | 1.9 | 0,27 | 0.18 | T2000 |
| T3608S | 12 | -08 | 13,0 | 1/2 | 19,9 | 0.78 | 250 | 3625 | 1000 | 14500 | 68 | 2.7 | 0,45 | 0.30 | T2000 |
| T3610S | 16 | -10 | 16,2 | 5/8 | 23,4 | 0.92 | 250 | 3625 | 1000 | 14500 | 75 | 3.0 | 0,61 | 0.41 | T2000 |
| T3612S | 19 | -12 | 19,1 | 3/4 | 27,6 | 1.09 | 250 | 3625 | 1000 | 14500 | 90 | 3.6 | 0,78 | 0.52 | T2000 |
| T3616S | 25 | -16 | 25,4 | 1 | 35,2 | 1.39 | 250 | 3625 | 1000 | 14500 | 115 | 4.5 | 1,30 | 0.87 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T4000D

EXTRA ABRASION RESISTANT FRAS

COMPACT ISOBARIC HOSE

280 BAR / 4100 PSI

RECOMMENDED FOR:

High pressure hydraulic oil lines. Constant pressure (Isobaric) 280 bar / 4100 psi in all sizes. Small bend radius and compact dimensions are advantages in installations.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: ISO 18752-BC, SAE 100R19.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One braid (-04 size) or two braids (-05 to -12 size) of high tensile wire.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification.

FEATURES:

Constant pressure 280 bar / 4100 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

-40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -12) pages 189 to 234. Assembly Instructions pages 480.

| T4000D - DIEHARD COMPACT ISOBARIC HOSE | | | | | | | | | | | | | | | |
|--|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|---------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| T4004D | 6 | -04 | 6,6 | 1/4 | 11,8 | 0.46 | 280 | 4100 | 1120 | 16400 | 50 | 2.0 | 0,17 | 0.12 | T2000 |
| T4005D | 8 | -05 | 8,2 | 5/16 | 15,6 | 0.61 | 280 | 4100 | 1120 | 16400 | 55 | 2.2 | 0,34 | 0.23 | T2000 |
| T4006D | 10 | -06 | 9,8 | 3/8 | 16,6 | 0.65 | 280 | 4100 | 1120 | 16400 | 65 | 2.6 | 0,37 | 0.25 | T2000 |
| T4008D | 12 | -08 | 13,0 | 1/2 | 20,6 | 0.81 | 280 | 4100 | 1120 | 16400 | 90 | 3.6 | 0,51 | 0.34 | T2000 |
| T4010D | 16 | -10 | 16,2 | 5/8 | 23,4 | 0.92 | 280 | 4100 | 1120 | 16400 | 100 | 3.9 | 0,61 | 0.41 | T2000 |
| T4012D | 19 | -12 | 19,1 | 3/4 | 28,4 | 1.12 | 280 | 4100 | 1120 | 16400 | 120 | 4.7 | 0,92 | 0.62 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

ISOBARIC BRAID

T4000S

EXTREMELY ABRASION RESISTANT
MSHA
COMPACT ISOBARIC HOSE
280 BAR / 4100 PSI



RECOMMENDED FOR:

High pressure hydraulic oil lines. Constant pressure (Isobaric) 280 bar / 4100 psi in all sizes. Small bend radius and compact dimensions are advantages in installations.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: ISO 18752-BC, SAE 100R19.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One braid (-04 size) or two braids (-05 to -12 size) of high tensile wire.

COVER:

SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification.

FEATURES:

Constant pressure 280 bar / 4100 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

MSHA - FLAME RESISTANCE:

SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

-40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -12) pages 189 to 234.
Assembly Instructions pages 480.

| T4000S - SLIDER COMPACT ISOBARIC HOSE | | | | | | | | | | | | | | | |
|--|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|------------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| T4004S | 6 | -04 | 6,6 | 1/4 | 11,8 | 0.46 | 280 | 4100 | 1120 | 16400 | 50 | 2.0 | 0,17 | 0.12 | T2000 |
| T4005S | 8 | -05 | 8,2 | 5/16 | 15,6 | 0.61 | 280 | 4100 | 1120 | 16400 | 55 | 2.2 | 0,34 | 0.23 | T2000 |
| T4006S | 10 | -06 | 9,8 | 3/8 | 16,6 | 0.65 | 280 | 4100 | 1120 | 16400 | 65 | 2.6 | 0,37 | 0.25 | T2000 |
| T4008S | 12 | -08 | 13,0 | 1/2 | 20,6 | 0.81 | 280 | 4100 | 1120 | 16400 | 90 | 3.6 | 0,51 | 0.34 | T2000 |
| T4010S | 16 | -10 | 16,2 | 5/8 | 23,4 | 0.92 | 280 | 4100 | 1120 | 16400 | 100 | 3.9 | 0,61 | 0.41 | T2000 |
| T4012S | 19 | -12 | 19,1 | 3/4 | 28,4 | 1.12 | 280 | 4100 | 1120 | 16400 | 120 | 4.7 | 0,92 | 0.62 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T5000D

EXTRA ABRASION RESISTANT
FRAS
COMPACT ISOBARIC HOSE
350 BAR / 5100 PSI

RECOMMENDED FOR:

Very high pressure hydraulic oil lines. Constant pressure (isobaric) 350 bar / 5100 psi in all sizes. Small bend radius and compact dimensions are advantages in installations.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: ISO 18752-BC.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Two braids of high tensile steel wire.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:

Constant pressure 350 bar / 5100 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

-40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -16) pages 189 to 234.
Assembly Instructions pages 480.

| T5000D - DIEHARD COMPACT ISOBARIC HOSE | | | | | | | | | | | | | | | |
|---|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|----|----------------|------|------------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| T5004D | 6 | -04 | 6,6 | 1/4 | 13,2 | 0.52 | 350 | 5100 | 1400 | 20400 | 50 | 2.0 | 0,28 | 0.19 | T2000 |
| T5005D | 8 | -05 | 8,2 | 5/16 | 15,6 | 0.61 | 350 | 5100 | 1400 | 20400 | 55 | 2.2 | 0,34 | 0.23 | T2000 |
| T5006D | 10 | -06 | 9,8 | 3/8 | 17,1 | 0.67 | 350 | 5100 | 1400 | 20400 | 65 | 2.6 | 0,41 | 0.28 | T2000 |
| T5008D | 12 | -08 | 13,0 | 1/2 | 20,6 | 0.81 | 350 | 5100 | 1400 | 20400 | 90 | 3.6 | 0,57 | 0.38 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

ISOBARIC BRAID

T5000S

EXTREMELY ABRASION RESISTANT
MSHA
COMPACT ISOBARIC HOSE
350 BAR / 5100 PSI



RECOMMENDED FOR:

Very high pressure hydraulic oil lines. Constant pressure (Isobaric) 350 bar / 5100 psi in all sizes. Small bend radius and compact dimensions are advantages in installations.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: ISO 18752-BC.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Two braids of high tensile steel wire.

COVER:

SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:

Constant pressure 350 bar/5100 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

MSHA - FLAME RESISTANCE:

SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

-40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -08) pages 189 to 234.
Assembly Instructions pages 480.

| T5000S - SLIDER COMPACT ISOBARIC HOSE | | | | | | | | | | | | | | | |
|--|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|----|----------------|------|------------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| T5004S | 6 | -04 | 6,6 | 1/4 | 13,2 | 0.52 | 350 | 5100 | 1400 | 20400 | 50 | 2.0 | 0,28 | 0.19 | T2000 |
| T5005S | 8 | -05 | 8,2 | 5/16 | 15,6 | 0.61 | 350 | 5100 | 1400 | 20400 | 55 | 2.2 | 0,34 | 0.23 | T2000 |
| T5006S | 10 | -06 | 9,8 | 3/8 | 17,1 | 0.67 | 350 | 5100 | 1400 | 20400 | 65 | 2.6 | 0,41 | 0.28 | T2000 |
| T5008S | 12 | -08 | 13,0 | 1/2 | 20,6 | 0.81 | 350 | 5100 | 1400 | 20400 | 90 | 3.6 | 0,57 | 0.38 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T6000D

EXTRA ABRASION RESISTANT
FRAS
COMPACT ISOBARIC HOSE
420 BAR / 6100 PSI

RECOMMENDED FOR:

Extremely high pressure hydraulic oil lines. Constant pressure (Isobaric) 420 bar / 6100 psi in all sizes. Small bend radius and compact dimensions are advantages in installations.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: ISO 18752-BC.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Two braids of high tensile steel wire.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:

Constant pressure 420 bar / 6100 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

-40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -06) pages 189 to 234. Assembly Instructions pages 480.

| T6000D - DIEHARD COMPACT ISOBARIC HOSE | | | | | | | | | | | | | | | |
|---|-----------|-----------------|-----|-----------------|------|--------------------------|-----|------------------------|------|---------------------|----|----------------|------|------------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| T6004D | 6 | -04 | 6,6 | 1/4 | 13,2 | 0.52 | 420 | 6100 | 1680 | 24400 | 50 | 2.0 | 0,28 | 0.19 | T2000 |
| T6005D | 8 | -05 | 8,2 | 5/16 | 15,6 | 0.61 | 420 | 6100 | 1680 | 24400 | 55 | 2.2 | 0,35 | 0.24 | T2000 |
| T6006D | 10 | -06 | 9,8 | 3/8 | 17,6 | 0.69 | 420 | 6100 | 1680 | 24400 | 65 | 2.6 | 0,47 | 0.32 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

ISOBARIC BRAID

T6000S

EXTREMELY ABRASION RESISTANT
MSHA
COMPACT ISOBARIC HOSE
420 BAR / 6100 PSI



RECOMMENDED FOR:

Extremely high pressure hydraulic oil lines. Constant pressure (Isobaric) 420 bar / 6100 psi in all sizes. Small bend radius and compact dimensions are advantages in installations.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: ISO 18752-BC.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Two braids of high tensile steel wire.

COVER:

SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:

Constant pressure 420 bar / 6100 psi in all sizes for easy system design and hose selection. Small bend radius and compact dimensions are advantages in installations.

MSHA - FLAME RESISTANCE:

SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

-40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

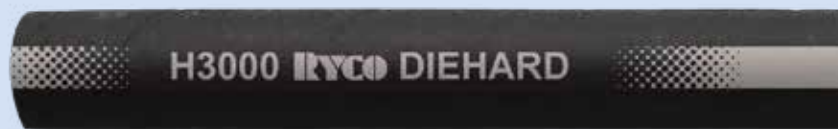
T2000 Series (sizes -04 to -06) pages 189 to 234. Assembly Instructions pages 480.

| T6000S - SLIDER COMPACT ISOBARIC HOSE | | | | | | | | | | | | | | |
|--|-----------|-----------------|------|-----------------|------|--------------------------|------|------------------------|-------|---------------------|------|----------------|-------|-----------------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES |
| | | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | ONE PIECE |
| T6004S | 6 -04 | 6,6 | 1/4 | 13,2 | 0,52 | 420 | 6100 | 1680 | 24400 | 50 | 2.0 | 0,28 | 0.19 | T2000 |
| T6005S | 8 -05 | 8,2 | 5/16 | 15,6 | 0,61 | 420 | 6100 | 1680 | 24400 | 55 | 2.2 | 0,35 | 0.24 | T2000 |
| T6006S | 10 -06 | 9,8 | 3/8 | 17,6 | 0,69 | 420 | 6100 | 1680 | 24400 | 65 | 2.6 | 0,47 | 0.32 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

H3000D

EXTRA ABRASION RESISTANT
FRAS
ISOBARIC SPIRAL HOSE
215 BAR / 3100 PSI
MILLION CYCLE



INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

RECOMMENDED FOR:

High pressure hydraulic oil lines. Constant pressure (Isobaric) 215 bar / 3100 psi in all sizes. Small bend radius is an advantage in installations.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of:
EN 856 Type R12, EN 856 Type 4SP, ISO 18752-DC,
SAE 100R12.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Four alternating layers of spiralled high tensile steel wire.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T7000 Series Crimp Couplings.

FEATURES:

Tested to **1 million impulse cycles** at up to 1/2 SAE 100R12 Minimum Bend Radius. Constant pressure 215 bar / 3100 psi in all sizes for easy system design and hose selection. Small bend radius is an advantage in installations.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

-40°C to +121°C (-40°F to +250°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T7000 Series (sizes -20 to -32) pages 189 to 234.
Assembly Instructions pages 480.

| H3000D - DIEHARD ISOBARIC SPIRAL HOSE | | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES | |
|---------------------------------------|-----------|-----------------|-------|-----------------|------|--------------------------|------|------------------------|-------|---------------------|------|----------------|-------|-----------------|--|
| PART NO | HOSE SIZE | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | ONE PIECE | |
| H3020D | 31 -20 | 31,8 | 1.1/4 | 45,7 | 1.80 | 215 | 3100 | 860 | 12400 | 200 | 7.9 | 2,27 | 1.53 | T7000 | |
| H3024D | 38 -24 | 38,1 | 1.1/2 | 50,3 | 1.98 | 215 | 3100 | 860 | 12400 | 250 | 9.8 | 2,35 | 1.58 | T7000 | |
| H3032D | 51 -32 | 50,8 | 2 | 63,3 | 2.49 | 215 | 3100 | 860 | 12400 | 400 | 15.8 | 3,40 | 2.28 | T7000 | |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

ISOBARIC SPIRAL

H3000S

EXTREMELY ABRASION RESISTANT
MSHA
ISOBARIC SPIRAL HOSE
215 BAR / 3100 PSI
MILLION CYCLE



RECOMMENDED FOR:

High pressure hydraulic oil lines. Constant pressure (Isobaric) 215 bar / 3100 psi in all sizes. Small bend radius is an advantage in installations.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: EN 856 Type R12, EN 856 Type 4SP, ISO 18752-DC, SAE 100R12.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Four alternating layers of spiralled high tensile steel wire.

COVER:

SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T7000 Series Crimp Couplings.

FEATURES:

Tested to **1 million impulse cycles** at up to 1/2 SAE 100R12 Minimum Bend Radius. Constant pressure 215 bar / 3100 psi in all sizes for easy system design and hose selection. Small bend radius is an advantage in installations.

MSHA - FLAME RESISTANCE:

SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

-40°C to +121°C (-40°F to +250°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T7000 Series (sizes -20 to -32) pages 274 to 304. Assembly Instructions pages 480.

| H3000S - SLIDER ISOBARIC SPIRAL HOSE | | | | | | | | | | | | | | | |
|---|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|-----|----------------|------|------------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| H3020S | 31 | -20 | 31,8 | 1.1/4 | 45,7 | 1.80 | 215 | 3100 | 860 | 12400 | 200 | 7.9 | 2,27 | 1.53 | T7000 |
| H3024S | 38 | -24 | 38,1 | 1.1/2 | 50,3 | 1.98 | 215 | 3100 | 860 | 12400 | 250 | 9.8 | 2,35 | 1.58 | T7000 |
| H3032S | 51 | -32 | 50,8 | 2 | 63,3 | 2.49 | 215 | 3100 | 860 | 12400 | 400 | 15.8 | 3,40 | 2.28 | T7000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

H4000D

EXTRA ABRASION RESISTANT
FRAS
ISOBARIC SPIRAL HOSE
280 BAR / 4100 PSI
MILLION CYCLE



INTRODUCTION

RECOMMENDED FOR:

High pressure hydraulic oil lines. Constant pressure (Isobaric) 280 bar / 4100 psi in all sizes. Small bend radius is an advantage in installations.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of:
EN 856 Type R12, EN 856 Type 4SP (size DN25, -16),
ISO 18752-DC, SAE 100R12.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Four (-06 to -24 size) and six (-32 size) alternating layers of spiralled high tensile steel wire.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T7000 Series Crimp Couplings.

FEATURES:

Tested to **1 million impulse cycles** at up to 1/2 SAE 100R12 Minimum Bend Radius. Constant pressure 280 bar / 4100 psi in all sizes for easy system design and hose selection. Small bend radius is an advantage in installations.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

-40°C to +121°C, (-40°F to +250°F.)
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T7000 Series (sizes -06 to -32) pages 274 to 304. Assembly Instructions pages 480.

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

| H4000D - DIEHARD ISOBARIC SPIRAL HOSE | | | | | | | | | | | | | | | |
|---------------------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|---------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| H4006D | 10 | -06 | 9,5 | 3/8 | 19,3 | 0.76 | 280 | 4100 | 1120 | 16400 | 60 | 2.4 | 0,61 | 0.41 | T7000 |
| H4008D | 12 | -08 | 12,7 | 1/2 | 22,7 | 0.89 | 280 | 4100 | 1120 | 16400 | 90 | 3.5 | 0,78 | 0.52 | T7000 |
| H4010D | 16 | -10 | 15,9 | 5/8 | 24,9 | 0.98 | 280 | 4100 | 1120 | 16400 | 100 | 3.9 | 0,76 | 0.51 | T7000 |
| H4012D | 19 | -12 | 19,1 | 3/4 | 30,0 | 1.18 | 280 | 4100 | 1120 | 16400 | 120 | 4.7 | 1,13 | 0.76 | T7000 |
| H4016D | 25 | -16 | 25,4 | 1 | 36,9 | 1.45 | 280 | 4100 | 1120 | 16400 | 150 | 5.9 | 1,60 | 1.08 | T7000 |
| H4020D | 31 | -20 | 31,8 | 1.1/4 | 44,0 | 1.73 | 280 | 4100 | 1120 | 16400 | 210 | 8.3 | 2,07 | 1.39 | T7000 |
| H4024D | 38 | -24 | 38,1 | 1.1/2 | 50,8 | 2.00 | 280 | 4100 | 1120 | 16400 | 330 | 13.0 | 2,65 | 1.78 | T7000 |
| H4032D | 51 | -32 | 50,8 | 2 | 66,4 | 2.61 | 280 | 4100 | 1120 | 16400 | 400 | 15.8 | 4,73 | 3.18 | T7000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

ISOBARIC SPIRAL

H4000S

EXTREMELY ABRASION RESISTANT
MSHA
ISOBARIC SPIRAL HOSE
280 BAR / 4100 PSI
MILLION CYCLE



RECOMMENDED FOR:

High pressure hydraulic oil lines. Constant pressure (Isobaric) 280 bar / 4100 psi in all sizes. Small bend radius is an advantage in installations.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: EN 856 Type R12, EN 856 Type 4SP (size DN25, -16), ISO 18752-DC, SAE 100R12.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Four (-06 to -24 size) and six (-32 size) alternating layers of spiralled high tensile steel wire.

COVER:

SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T7000 Series Crimp Couplings.

FEATURES:

Tested to **1 million impulse cycles** at up to 1/2 SAE 100R12 Minimum Bend Radius. Constant pressure 280 bar / 4100 psi in all sizes for easy system design and hose selection. Small bend radius is an advantage in installations.

MSHA - FLAME RESISTANCE:

SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

-40°C to +121°C, (-40°F to +250°F.)
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

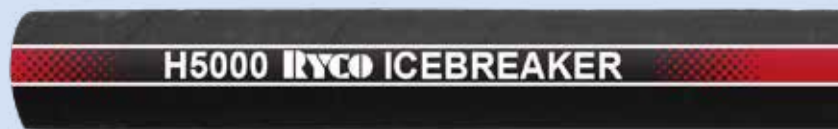
T7000 Series (sizes -06 to -32) pages 274 to 304. Assembly Instructions pages 480.

| H4000S - SLIDER ISOBARIC SPIRAL HOSE | | | | | | | | | | | | | | |
|---|-----------|-----------------|-------|-----------------|------|--------------------------|------|------------------------|-------|---------------------|------|----------------|-------|-----------------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES |
| | | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | ONE PIECE |
| H4006S | 10 -06 | 9,5 | 3/8 | 19,3 | 0.76 | 280 | 4100 | 1120 | 16400 | 60 | 2.4 | 0,61 | 0.41 | T7000 |
| H4008S | 12 -08 | 12,7 | 1/2 | 22,7 | 0.89 | 280 | 4100 | 1120 | 16400 | 90 | 3.5 | 0,78 | 0.52 | T7000 |
| H4010S | 16 -10 | 15,9 | 5/8 | 24,9 | 0.98 | 280 | 4100 | 1120 | 16400 | 100 | 3.9 | 0,76 | 0.51 | T7000 |
| H4012S | 19 -12 | 19,1 | 3/4 | 30,0 | 1.18 | 280 | 4100 | 1120 | 16400 | 120 | 4.7 | 1,13 | 0.76 | T7000 |
| H4016S | 25 -16 | 25,4 | 1 | 36,9 | 1.45 | 280 | 4100 | 1120 | 16400 | 150 | 5.9 | 1,60 | 1.08 | T7000 |
| H4020S | 31 -20 | 31,8 | 1.1/4 | 44,0 | 1.73 | 280 | 4100 | 1120 | 16400 | 210 | 8.3 | 2,07 | 1.39 | T7000 |
| H4024S | 38 -24 | 38,1 | 1.1/2 | 50,8 | 2.00 | 280 | 4100 | 1120 | 16400 | 330 | 13.0 | 2,65 | 1.78 | T7000 |
| H4032S | 51 -32 | 50,8 | 2 | 66,4 | 2.61 | 280 | 4100 | 1120 | 16400 | 400 | 15.8 | 4,73 | 3.18 | T7000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

H5000C

LOW TEMPERATURE
ISOBARIC SPIRAL HOSE
350 BAR / 5100 PSI



INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

RECOMMENDED FOR:

Very high pressure hydraulic oil lines in application where low temperature environmental conditions exist. Constant pressure (Isobaric) 350 bar / 5100 psi in all sizes. Small bend radius is an advantage in installations.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: EN 856 Type R13, ISO 18752-CC, SAE100R13.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Four (-12 to -20 size) and six (-32 size) alternating layers of spiralled high tensile steel wire.

COVER:

Black, oil and abrasion resistant synthetic rubber.

FEATURES:

Low temperature hose (-60°C/-76°F). Constant pressure 350 bar / 5100 psi in all sizes for easy system design and hose selection.

Small bend radius is an advantage in installations.

TEMPERATURE RANGE:

-60°C to +100°C (-76°F to +212°F).

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T7000 Series (sizes -12 to -20) pages 274 to 304.

Assembly Instructions pages 480.

| H5000C - ICEBREAKER ISOBARIC SPIRAL HOSE | | | | | | | | | | | | | | | |
|--|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|---------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| H5012C | 19 | -12 | 19,1 | 3/4 | 29,6 | 1.17 | 350 | 5100 | 1400 | 20400 | 120 | 4.7 | 1,21 | 0.81 | T7000 |
| H5016C | 25 | -16 | 25,4 | 1 | 36,8 | 1.45 | 350 | 5100 | 1400 | 20400 | 150 | 5.9 | 1,72 | 1.16 | T7000 |
| H5020C | 31 | -20 | 31,8 | 1.1/4 | 45,0 | 1.77 | 350 | 5100 | 1400 | 20400 | 210 | 8.3 | 2,42 | 1.63 | T7000 |
| H5024C | 38 | -24 | 38,1 | 1.1/2 | 52,7 | 2.07 | 350 | 5100 | 1400 | 20400 | 330 | 13 | 3,44 | 2.31 | T7000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

ISOBARIC SPIRAL

H5000D

EXTRA ABRASION RESISTANT
FRAS

ISOBARIC SPIRAL HOSE

350 BAR / 5100 PSI

MILLION CYCLE



RECOMMENDED FOR:

Very high pressure hydraulic oil lines. Constant pressure (Isobaric) 350 bar / 5100 psi in all sizes. Small bend radius is an advantage in installations.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: EN 856 Type R13, ISO 18752-CC, SAE 100R13.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Four (-06 to -20 size) and six (-24 to -32 size) alternating layers of spiralled high tensile steel wire.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T6000 & T7000 Series Crimp Couplings.

FEATURES:

Tested to **1 million impulse cycles** at up to 1/2 SAE 100R13 Minimum Bend Radius. Constant pressure 350 bar / 5100 psi in all sizes for easy system design and hose selection. Small bend radius is an advantage in installations.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

-40°C to +121°C, (-40°F to +250°F.)
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T7000 Series (sizes -06 to -24) pages 274 to 304.

T6000 Series (size -12 to -32) pages 252 to 272.

Assembly Instructions pages 480.

| H5000D - DIEHARD ISOBARIC SPIRAL HOSE | | | | | | | | | | | | | | | |
|---------------------------------------|-----------|-----------------|-------|-----------------|------|--------------------------|------|------------------------|-------|---------------------|------|----------------|-------|-----------------|-------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES | |
| | | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | ONE PIECE | |
| H5006D | 10 -06 | 9,5 | 3/8 | 19,3 | 0.76 | 350 | 5100 | 1400 | 20400 | 60 | 2.4 | 0,61 | 0.41 | | T7000 |
| H5008D | 12 -08 | 12,7 | 1/2 | 22,7 | 0.89 | 350 | 5100 | 1400 | 20400 | 90 | 3.5 | 0,78 | 0.52 | | T7000 |
| H5010D | 16 -10 | 15,9 | 5/8 | 26,2 | 1.03 | 350 | 5100 | 1400 | 20400 | 100 | 3.9 | 0,98 | 0.66 | | T7000 |
| H5012D | 19 -12 | 19,1 | 3/4 | 29,6 | 1.17 | 350 | 5100 | 1400 | 20400 | 120 | 4.7 | 1,21 | 0.81 | T6000 | T7000 |
| H5016D | 25 -16 | 25,4 | 1 | 36,8 | 1.45 | 350 | 5100 | 1400 | 20400 | 150 | 5.9 | 1,72 | 1.16 | T6000 | T7000 |
| H5020D | 31 -20 | 31,8 | 1.1/4 | 45,0 | 1.77 | 350 | 5100 | 1400 | 20400 | 210 | 8.3 | 2,42 | 1.63 | T6000 | T7000 |
| H5024D | 38 -24 | 38,1 | 1.1/2 | 52,7 | 2.07 | 350 | 5100 | 1400 | 20400 | 330 | 13.0 | 3,44 | 2.31 | T6000 | T7000 |
| H5032D | 51 -32 | 50,8 | 2 | 67,5 | 2.66 | 350 | 5100 | 1400 | 20400 | 400 | 15.8 | 5,40 | 3.63 | T6000 | |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

H5000S

EXTREMELY ABRASION RESISTANT

MSHA

ISOBARIC SPIRAL HOSE

350 BAR / 5100 PSI

MILLION CYCLE



INTRODUCTION

HOSE

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RECOMMENDED FOR:

Very high pressure hydraulic oil lines. Constant pressure (isobaric) 350 bar / 5100 psi in all sizes. Small bend radius is an advantage in installations.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: EN 856 Type R13, ISO 18752-CC, SAE 100R13.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Four (-06 to -20 size) and six (-24 to -32 size) alternating layers of spiralled high tensile steel wire.

COVER:

SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T6000 & T7000 Series Crimp Couplings.

FEATURES:

Tested to **1 million impulse cycles** at up to 1/2 SAE 100R13 Minimum Bend Radius. Constant pressure 350 bar / 5100 psi in all sizes for easy system design and hose selection. Small bend radius is an advantage in installations.

MSHA - FLAME RESISTANCE:

SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

-40°C to +121°C, (-40°F to +250°F)
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T7000 Series (sizes -06 to -24) pages 274 to 304.

T6000 Series (size -12 to -32) pages 252 to 272.

Assembly Instructions pages 480.

| H5000S - SLIDER ISOBARIC SPIRAL HOSE | | | | | | | | | | | | | | | |
|---|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|------------------------------|-------------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| H5006S | 10 | -06 | 9,5 | 3/8 | 19,3 | 0.76 | 350 | 5100 | 1400 | 20400 | 60 | 2.4 | 0,61 | 0.41 | T7000 |
| H5008S | 12 | -08 | 12,7 | 1/2 | 22,7 | 0.89 | 350 | 5100 | 1400 | 20400 | 90 | 3.5 | 0,78 | 0.52 | T7000 |
| H5010S | 16 | -10 | 15,9 | 5/8 | 26,2 | 1.03 | 350 | 5100 | 1400 | 20400 | 100 | 3.9 | 0,98 | 0.66 | T7000 |
| H5012S | 19 | -12 | 19,1 | 3/4 | 29,6 | 1.17 | 350 | 5100 | 1400 | 20400 | 120 | 4.7 | 1,21 | 0.81 | T6000 T7000 |
| H5016S | 25 | -16 | 25,4 | 1 | 36,8 | 1.45 | 350 | 5100 | 1400 | 20400 | 150 | 5.9 | 1,72 | 1.16 | T6000 T7000 |
| H5020S | 31 | -20 | 31,8 | 1.1/4 | 45,0 | 1.77 | 350 | 5100 | 1400 | 20400 | 210 | 8.3 | 2,42 | 1.63 | T6000 T7000 |
| H5024S | 38 | -24 | 38,1 | 1.1/2 | 52,7 | 2.07 | 350 | 5100 | 1400 | 20400 | 330 | 13.0 | 3,44 | 2.31 | T6000 T7000 |
| H5032S | 51 | -32 | 50,8 | 2 | 67,5 | 2.66 | 350 | 5100 | 1400 | 20400 | 400 | 15.8 | 5,40 | 3.63 | T6000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

ISOBARIC SPIRAL

H6000D

EXTRA ABRASION RESISTANT
FRAS

ISOBARIC SPIRAL HOSE

420 BAR / 6100 PSI

MILLION CYCLE



RECOMMENDED FOR:

Extremely high pressure hydraulic oil lines. Constant pressure (Isobaric) 420 bar / 6100 psi in all sizes. Small bend radius is an advantage in installations.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: EN 856 Type R15, ISO 18752-CC, SAE 100R15.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Four (-06 to -16 size), six (-20 to -24 size) and eight (-32 size) alternating layers of spiralled high tensile steel wire.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T6000 and T7000 Series Crimp Couplings.

FEATURES:

Tested to **1 million impulse cycles** at up to 1/2 SAE 100R15 Minimum Bend Radius. **World First:** World's first 2" (-32) hose tested to 1 million impulse cycles at 400mm (15.8") Minimum Bend Radius. Constant pressure 420 bar / 6100 psi in all sizes for easy system design and hose selection. Small bend radius is an advantage in installations.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

-40°C to +121°C (-40°F to +250°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T7000 Series (sizes -06 to -20) pages 274 to 304.

T6000 Series (size -12 to -32) pages 252 to 272.

Assembly Instructions pages 480.

| H6000D - DIEHARD ISOBARIC SPIRAL HOSE | | | | | | | | | | | | | | | |
|--|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|------------------------------|-------------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| H6006D | 10 | -06 | 9,5 | 3/8 | 19,3 | 0.76 | 420 | 6100 | 1680 | 24400 | 75 | 2.9 | 0,61 | 0.41 | T7000 |
| H6008D | 12 | -08 | 12,7 | 1/2 | 22,7 | 0.89 | 420 | 6100 | 1680 | 24400 | 100 | 3.9 | 0,78 | 0.52 | T7000 |
| H6010D | 16 | -10 | 15,9 | 5/8 | 26,2 | 1.03 | 420 | 6100 | 1680 | 24400 | 110 | 4.3 | 1,00 | 0.67 | T7000 |
| H6012D | 19 | -12 | 19,1 | 3/4 | 30,6 | 1.20 | 420 | 6100 | 1680 | 24400 | 115 | 4.5 | 1,38 | 0.93 | T6000 T7000 |
| H6016D | 25 | -16 | 25,4 | 1 | 37,5 | 1.48 | 420 | 6100 | 1680 | 24400 | 165 | 6.5 | 1,99 | 1.34 | T6000 T7000 |
| H6020D | 31 | -20 | 31,8 | 1.1/4 | 46,4 | 1.83 | 420 | 6100 | 1680 | 24400 | 220 | 8.7 | 2,97 | 2.00 | T6000 T7000 |
| H6024D | 38 | -24 | 38,1 | 1.1/2 | 53,1 | 2.09 | 420 | 6100 | 1680 | 24400 | 350 | 13.8 | 3,81 | 2.56 | T6000 |
| H6032D | 51 | -32 | 50,8 | 2 | 71,5 | 2.81 | 420 | 6100 | 1680 | 24400 | 400 | 15.8 | 7,10 | 4.77 | T6000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

H6000S

EXTREMELY ABRASION RESISTANT

MSHA

ISOBARIC SPIRAL HOSE

420 BAR / 6100 PSI

MILLION CYCLE



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RECOMMENDED FOR:

Extremely high pressure hydraulic oil lines. Constant pressure (Isobaric) 420 bar / 6100 psi in all sizes. Small bend radius is an advantage in installations.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: ISO 3862 Type R15, ISO 18752-CC, SAE 100R15.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Four (-06 to -16 size), six (-20 to -24 size) and eight (-32 size) alternating layers of spiralled high tensile steel wire.

COVER:

SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T6000 and T7000 Series Crimp Couplings.

FEATURES:

Tested to **1 million impulse cycles** at up to 1/2 SAE 100R15 Minimum Bend Radius. **World First:** World's first 2" (-32) hose tested to 1 million impulse cycles at 400mm (15.8") Minimum Bend Radius. Constant pressure 420 bar / 6100 psi in all sizes for easy system design and hose selection. Small bend radius is an advantage in installations.

MSHA - FLAME RESISTANCE:

SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

-40°C to +121°C (-40°F to +250°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T7000 Series (sizes -06 to -20) pages 274 to 304.

T6000 Series (size -12 to -32) pages 252 to 272.

Assembly Instructions pages 480.

| H6000S - SLIDER ISOBARIC SPIRAL HOSE | | | | | | | | | | | | | | | |
|---|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|------------------------------|-------------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| H6006S | 10 | -06 | 9,5 | 3/8 | 19,3 | 0.76 | 420 | 6100 | 1680 | 24400 | 75 | 2.9 | 0,61 | 0.41 | T7000 |
| H6008S | 12 | -08 | 12,7 | 1/2 | 22,7 | 0.89 | 420 | 6100 | 1680 | 24400 | 100 | 3.9 | 0,78 | 0.52 | T7000 |
| H6010S | 16 | -10 | 15,9 | 5/8 | 26,2 | 1.03 | 420 | 6100 | 1680 | 24400 | 110 | 4.3 | 1,00 | 0.67 | T7000 |
| H6012S | 19 | -12 | 19,1 | 3/4 | 30,6 | 1.20 | 420 | 6100 | 1680 | 24400 | 115 | 4.5 | 1,38 | 0.93 | T6000 T7000 |
| H6016S | 25 | -16 | 25,4 | 1 | 37,5 | 1.48 | 420 | 6100 | 1680 | 24400 | 165 | 6.5 | 1,99 | 1.34 | T6000 T7000 |
| H6020S | 31 | -20 | 31,8 | 1.1/4 | 46,4 | 1.83 | 420 | 6100 | 1680 | 24400 | 220 | 8.7 | 2,97 | 2.00 | T6000 T7000 |
| H6024S | 38 | -24 | 38,1 | 1.1/2 | 53,1 | 2.09 | 420 | 6100 | 1680 | 24400 | 350 | 13.8 | 3,81 | 2.56 | T6000 |
| H6032S | 51 | -32 | 50,8 | 2 | 71,5 | 2.81 | 420 | 6100 | 1680 | 24400 | 400 | 15.8 | 7,10 | 4.77 | T6000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

ISOBARIC SPIRAL

C6000D

ULTRA FLEXIBLE
EXTRA ABRASION RESISTANT
FRAS
ISOBARIC SPIRAL HOSE
420 BAR / 6100 PSI
MILLION CYCLE



RECOMMENDED FOR:

Ultra flexibility and small bend radius provides easy installation in compact environments.
Extremely high pressure hydraulic oil lines.
Constant pressure (Isobaric) 420 bar / 6100 psi in all sizes.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of:
ISO 18752-CC, SAE 100R15.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Four alternating layers of spiralled high tensile steel wire.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T7000 Series Crimp Couplings.

FEATURES:

Ultra flexibility combined with a small bend radius reduces effort during assembly and installations. Tested to **1 million impulse cycles** at up to 1/2 SAE 100R15 Minimum Bend Radius. Constant pressure 420 bar / 6100 psi in all sizes for easy system design and hose selection.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

-40°C to +121°C (-40°F to +250°F).

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T7000 Series (sizes -12 to -16) pages 274 to 304.
Assembly Instructions pages 480.

| C6000D - DIEHARD ULTRA FLEXIBLE ISOBARIC SPIRAL HOSE | | | | | | | | | | | | | | | |
|--|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|-----------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| C6012D | 19 | -12 | 19,1 | 3/4 | 28,5 | 1.12 | 420 | 6100 | 1680 | 24400 | 115 | 4.5 | 1,15 | 0.77 | T7000 |
| C6016D | 25 | -16 | 25,4 | 1 | 35,8 | 1.41 | 420 | 6100 | 1680 | 24400 | 165 | 6.5 | 1,75 | 1.17 | T7000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

C6000S

ULTRA FLEXIBLE
EXTREMELY ABRASION RESISTANT
ISOBARIC SPIRAL HOSE
420 BAR / 6100 PSI
MILLION CYCLE



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RECOMMENDED FOR:

Ultra flexibility and small bend radius provides easy installation in compact environments.
Extremely high pressure hydraulic oil lines.
Constant pressure (Isobaric) 420 bar / 6100 psi in all sizes.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of:
ISO 18752-CC, SAE 100R15.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Four alternating layers of spiralled high tensile steel wire.

COVER:

SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T7000 Series Crimp Couplings.

FEATURES:

Ultra flexibility combined with a small bend radius reduces effort during assembly and installations. Tested to **1 million impulse cycles** at up to 1/2 SAE 100R15 Minimum Bend Radius. Constant pressure 420 bar / 6100 psi in all sizes for easy system design and hose selection.

MSHA - FLAME RESISTANCE:

SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

-40°C to +121°C (-40°F to +250°F).

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T7000 Series (sizes -12 to -16) pages 274 to 304.
Assembly Instructions pages 480.

| C6000S - SLIDER ULTRA FLEXIBLE ISOBARIC SPIRAL HOSE | | | | | | | | | | | | | | COUPLING SERIES | |
|---|-----------|-----------------|------|-----------------|------|--------------------------|------|------------------------|------|---------------------|-----|----------------|------|-----------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| C6012S | 19 | -12 | 19,1 | 3/4 | 28,5 | 1.12 | 420 | 6100 | 1680 | 24400 | 115 | 4.5 | 1,15 | 0.77 | T7000 |
| C6016S | 25 | -16 | 25,4 | 1 | 35,8 | 1.41 | 4.20 | 6100 | 1680 | 24400 | 165 | 6.5 | 1,75 | 1.17 | T7000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

BRAID

DF1D

EXTRA ABRASION RESISTANT
FRAS
COMPACT HOSE
ONE WIRE BRAID



RECOMMENDED FOR:

High pressure hydraulic oil lines in applications where the outside cover of the hose is subjected to abrasion that may cause premature failure of standard hoses.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: EN 857 Type 1SC, ISO 11237 Type 1SC.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One braid of high tensile steel wire.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:

The very high abrasion resistant properties of the cover, combined with the high working pressures and excellent impulse life, results in increased service life and minimises equipment downtime.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S MSHA" of the US Department of Labour, Mine Safety and Health Administration.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -16) pages 189 to 234. Assembly Instructions pages 480.

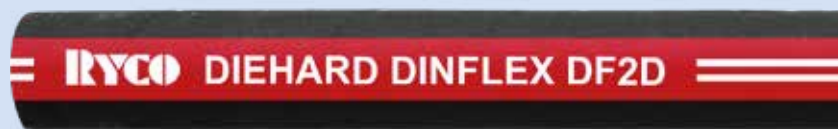
Not suitable for use with field attachable couplings.

| DF1D - DINFLEX NON-SKIVE HOSE | | | | | | | | | | | | | | | |
|----------------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|-----|----------------|------|------------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| DF14D | 6 | -04 | 6,6 | 1/4 | 12,2 | 0.48 | 225 | 3250 | 900 | 13000 | 50 | 2.0 | 0,20 | 0.13 | T2000 |
| DF15D | 8 | -05 | 8,2 | 5/16 | 13,9 | 0.55 | 215 | 3100 | 860 | 12400 | 55 | 2.2 | 0,22 | 0.15 | T2000 |
| DF16D | 10 | -06 | 9,8 | 3/8 | 15,6 | 0.61 | 180 | 2600 | 720 | 10400 | 65 | 2.6 | 0,26 | 0.17 | T2000 |
| DF18D | 12 | -08 | 13,0 | 1/2 | 19,0 | 0.75 | 160 | 2300 | 640 | 9200 | 85 | 3.3 | 0,33 | 0.22 | T2000 |
| DF110D | 16 | -10 | 16,2 | 5/8 | 22,2 | 0.80 | 130 | 1900 | 520 | 7600 | 100 | 3.9 | 0,44 | 0.30 | T2000 |
| DF112D | 19 | -12 | 19,1 | 3/4 | 25,6 | 1.01 | 105 | 1500 | 420 | 6000 | 115 | 4.5 | 0,50 | 0.34 | T2000 |
| DF116D | 25 | -16 | 25,4 | 1 | 33,6 | 1.32 | 90 | 1280 | 360 | 5120 | 150 | 5.9 | 0,75 | 0.50 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

DF2D

EXTRA ABRASION RESISTANT
FRAS
COMPACT HOSE
TWO WIRE BRAID



INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

RECOMMENDED FOR:

High pressure hydraulic oil lines in applications where the outside cover of the hose is subjected to abrasion that may cause premature failure of standard hoses. Ideal for high pressure use that requires a compact outside diameter and smaller bend radius than some other two wire braid hoses.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of:
EN 857 Type 2SC, ISO 11237 Type 2SC, SAE 100R16.
(-20 size SAE 100R16 only).

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Two braids of high tensile steel wire.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:

The very high abrasion resistant properties of the cover, combined with the high working pressures and excellent impulse life, results in increased service life and minimises equipment downtime.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S MSHA" of the US Department of Labour, Mine Safety and Health Administration.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -20) pages 189 to 234.
Assembly Instructions pages 480.

Not suitable for use with field attachable couplings.

| DF2D - DINFLEX NON-SKIVE HOSE | | | | | | | | | | | | | | | |
|----------------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|---------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| DF24D | 6 | -04 | 6,6 | 1/4 | 13,4 | 0.53 | 420 | 6100 | 1680 | 24000 | 50 | 2.0 | 0,28 | 0.19 | T2000 |
| DF25D | 8 | -05 | 8,2 | 5/16 | 14,9 | 0.59 | 350 | 5100 | 1400 | 20400 | 55 | 2.2 | 0,41 | 0.27 | T2000 |
| DF26D | 10 | -06 | 9,8 | 3/8 | 17,3 | 0.68 | 350 | 5100 | 1400 | 20400 | 65 | 2.6 | 0,43 | 0.29 | T2000 |
| DF28D | 12 | -08 | 13,0 | 1/2 | 20,3 | 0.80 | 295 | 4250 | 1180 | 17000 | 90 | 3.6 | 0,51 | 0.34 | T2000 |
| DF210D | 16 | -10 | 16,2 | 5/8 | 23,6 | 0.93 | 250 | 3625 | 1000 | 14500 | 100 | 3.9 | 0,63 | 0.42 | T2000 |
| DF212D | 19 | -12 | 19,1 | 3/4 | 27,6 | 1.09 | 215 | 3100 | 860 | 12400 | 120 | 4.7 | 0,81 | 0.55 | T2000 |
| DF216D | 25 | -16 | 25,4 | 1 | 35,8 | 1.40 | 170 | 2400 | 668 | 9700 | 150 | 5.9 | 1,10 | 0.74 | T2000 |
| DF220D | 31 | -20 | 31,8 | 1.1/4 | 41,3 | 1.63 | 140 | 2000 | 560 | 8000 | 150 | 5.9 | 1,39 | 0.93 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

* DF220D Minimum Bend Radius is smaller than that of SAE 100R16 by approximately 30%

HOSE

BRAID

DK1D

EXTRA ABRASION RESISTANT
EXTRA HIGH PRESSURE
FRAS
COMPACT ONE WIRE BRAID HOSE



RECOMMENDED FOR:

Extra high pressure hydraulic oil lines in applications where the hose cover is subjected to abrasion. Compact dimensions and small bend radius are advantages in installations where space is limited.

PERFORMANCE:

Exceeds the Performance Requirements of: EN 857 Type 1SC, ISO 11237 Type 1SC.

CONSTRUCTION:

RYCO Proprietary DK1D design.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One braid of high tensile steel wire.

COVER:

DIEHARD™ Black, oil, ozone and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:

The very high abrasion resistant properties of the cover, combined with the extra high working pressures and excellent impulse life, results in increased service life and minimises equipment downtime. Compact dimensions and small bend radius are advantages in installations where space is limited.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A, and requirements of ISO 6805 when tested in accordance with ISO 8030 and ISO 8031. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labour, Mine Safety and Health Administration.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -16) pages 189 to 234. Assembly Instructions pages 480.

Not suitable for use with field attachable couplings.

| DK1D - COMPACT EXTRA HIGH PRESSURE NON-SKIVE HOSE | | | | | | | | |
|---|-----------|----------------------|---------------------|--------------------------------|------------------------------|---------------------------|------------------------|------------------------------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | NOMINAL HOSE OD | MAXIMUM WORKING PRESSURE | MINIMUM BURST PRESSURE | MINIMUM BEND RADIUS | AVERAGE WEIGHT | COUPLING SERIES ONE PIECE |
| DK14D | 6 -04 | 6,6 mm / 1/4 inch | 11,6 mm / 0.46 inch | 295 bar / 4280 psi | 1180 bar / 17120 psi | 40 mm / 1.6 inch | 0,16 kg/m / 0.11 lb/ft | T2000 |
| DK15D | 8 -05 | 8,5 mm / 5/16 inch | 13,4 mm / 0.53 inch | 250 bar / 3625 psi | 1000 bar / 14500 psi | 50 mm / 2.0 inch | 0,20 kg/m / 0.13 lb/ft | T2000 |
| DK16D | 10 -06 | 9,8 mm / 3/8 inch | 15,0 mm / 0.59 inch | 230 bar / 3340 psi | 920 bar / 13360 psi | 65 mm / 2.6 inch | 0,24 kg/m / 0.16 lb/ft | T2000 |
| DK18D | 12 -08 | 13,0 mm / 1/2 inch | 18,3 mm / 0.72 inch | 200 bar / 2900 psi | 800 bar / 11600 psi | 80 mm / 3.1 inch | 0,31 kg/m / 0.21 lb/ft | T2000 |
| DK110D | 16 -10 | 16,1 mm / 5/8 inch | 21,5 mm / 0.85 inch | 150 bar / 2175 psi | 600 bar / 8700 psi | 100 mm / 3.9 inch | 0,38 kg/m / 0.26 lb/ft | T2000 |
| DK112D | 19 -12 | 19,1 mm / 3/4 inch | 24,7 mm / 0.97 inch | 125 bar / 1815 psi | 500 bar / 7260 psi | 120 mm / 4.7 inch | 0,44 kg/m / 0.30 lb/ft | T2000 |
| DK116D | 25 -16 | 25,4 mm / 1 inch | 31,6 mm / 1.24 inch | 110 bar / 1600 psi | 440 bar / 6400 psi | 150 mm / 5.9 inch | 0,61 kg/m / 0.41 lb/ft | T2000 |
| DK120D | 31 -20 | 31,8 mm / 1.1/4 inch | 38,4 mm / 1.51 inch | 100 bar / 1450 psi | 400 bar / 5800 psi | 200 mm / 7.9 inch | 0,79 kg/m / 0.53 lb/ft | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

DK1E

EXTRA HIGH PRESSURE
COMPACT ONE WIRE BRAID HOSE



INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

RECOMMENDED FOR:

Extra high pressure hydraulic oil lines in applications. Compact dimensions and small bend radius are advantages in installations where space is limited.

PERFORMANCE:

Exceeds the Performance Requirements of: EN 857 Type 1SC, ISO 11237 Type 1SC.

CONSTRUCTION:

RYCO Proprietary DK1E design.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One braid of high tensile steel wire.

COVER:

Black, oil resistant synthetic rubber. No skiving required with T2000 Series Crimp Couplings.

FEATURES:

The extra high working pressures and excellent impulse life, results in increased service life and minimises equipment downtime.

Compact dimensions and small bend radius are advantages in installations where space is limited.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -20) pages 189 to 234. Assembly Instructions pages 480.

Not suitable for use with field attachable couplings.

| DK1E - ENERGY EXTRA HIGH PRESSURE NON-SKIVE HOSE | | | | | | | | | | | | | | | |
|--|-----------|--------------------|--------------------|--------------------------------|------------------------------|---------------------------|-------------------|------------------------------|------|-------|-----|------|------|-------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | NOMINAL HOSE OD | MAXIMUM WORKING PRESSURE | MINIMUM BURST PRESSURE | MINIMUM BEND RADIUS | AVERAGE WEIGHT | COUPLING SERIES ONE PIECE | | | | | | | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| DK14E | 6 | -04 | 6,6 | 1/4 | 11,6 | 0.46 | 295 | 4280 | 1180 | 17120 | 40 | 1.6 | 0,16 | 0.11 | T2000 |
| DK15E | 8 | -05 | 8,5 | 5/16 | 13,4 | 0.53 | 250 | 3625 | 1000 | 14500 | 50 | 2.0 | 0,20 | 0.13 | T2000 |
| DK16E | 10 | -06 | 9,8 | 3/8 | 15,0 | 0.59 | 230 | 3340 | 920 | 13360 | 65 | 2.6 | 0,24 | 0.16 | T2000 |
| DK18E | 12 | -08 | 13,0 | 1/2 | 18,3 | 0.72 | 200 | 2900 | 800 | 11600 | 80 | 3.1 | 0,31 | 0.21 | T2000 |
| DK110E | 16 | -10 | 16,1 | 5/8 | 21,5 | 0.85 | 150 | 2175 | 600 | 8700 | 100 | 3,9 | 0,38 | 0.26 | T2000 |
| DK112E | 19 | -12 | 19,1 | 3/4 | 24,7 | 0.97 | 125 | 1815 | 500 | 7260 | 120 | 4.7 | 0,44 | 0.30 | T2000 |
| DK116E | 25 | -16 | 25,4 | 1 | 31,6 | 1.24 | 110 | 1600 | 440 | 6400 | 150 | 5,9 | 0,61 | 0.41 | T2000 |
| DK120E | 31 | -20 | 31,8 | 1.1/4 | 38,4 | 1.51 | 100 | 1450 | 400 | 5800 | 200 | 7.9 | 0,79 | 0.53 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

BRAID

DK1S

EXTREMELY ABRASION RESISTANT
EXTRA HIGH PRESSURE
COMPACT ONE WIRE BRAID HOSE



RECOMMENDED FOR:

Extra high pressure hydraulic oil lines in applications where the hose cover is subjected to abrasion. Compact dimensions and small bend radius are advantages in installations where space is limited.

PERFORMANCE:

Exceeds the Performance Requirements of:
EN 857 Type 1SC, ISO 11237 Type 1SC.

CONSTRUCTION:

RYCO Proprietary DK1S design.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One braid of high tensile steel wire.

COVER:

SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:

The extremely abrasion resistant properties of the cover, combined with the extra high working pressures and excellent impulse life, results in increased service life and minimises equipment downtime.

Compact dimensions and small bend radius are advantages in installations where space is limited.

MSHA - FLAME RESISTANCE:

SLIDER meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:








Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -20) pages 189 to 234.
Assembly Instructions pages 480.

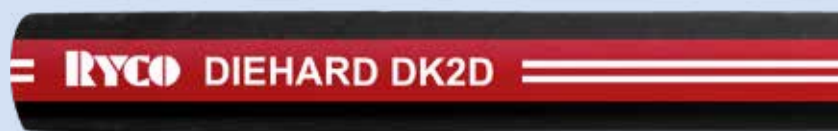
Not suitable for use with field attachable couplings.

| DK1S - SLIDER EXTRA HIGH PRESSURE NON-SKIVE HOSE | |  |  |  |  |  |  |  | | | | | | | |
|--|-----------|---|---|---|---|--|---|---|------|-------|-----|------|------|-------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | NOMINAL HOSE OD | MAXIMUM WORKING PRESSURE | MINIMUM BURST PRESSURE | MINIMUM BEND RADIUS | AVERAGE WEIGHT | COUPLING SERIES ONE PIECE | | | | | | | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| DK14S | 6 | -04 | 6,6 | 1/4 | 11,6 | 0.46 | 295 | 4280 | 1180 | 17120 | 40 | 1.6 | 0,16 | 0.11 | T2000 |
| DK15S | 8 | -05 | 8,5 | 5/16 | 13,4 | 0.53 | 250 | 3625 | 1000 | 14500 | 50 | 2.0 | 0,20 | 0.13 | T2000 |
| DK16S | 10 | -06 | 9,8 | 3/8 | 15,0 | 0.59 | 230 | 3340 | 920 | 13360 | 65 | 2.6 | 0,24 | 0.16 | T2000 |
| DK18S | 12 | -08 | 13,0 | 1/2 | 18,3 | 0.72 | 200 | 2900 | 800 | 11600 | 80 | 3.1 | 0,31 | 0.21 | T2000 |
| DK110S | 16 | -10 | 16,1 | 5/8 | 21,5 | 0.85 | 150 | 2175 | 600 | 8700 | 100 | 3,9 | 0,38 | 0.26 | T2000 |
| DK112S | 19 | -12 | 19,1 | 3/4 | 24,7 | 0.97 | 125 | 1815 | 500 | 7260 | 120 | 4.7 | 0,44 | 0.30 | T2000 |
| DK116S | 25 | -16 | 25,4 | 1 | 31,6 | 1.24 | 110 | 1600 | 440 | 6400 | 150 | 5,9 | 0,61 | 0.41 | T2000 |
| DK120S | 31 | -20 | 31,8 | 1.1/4 | 38,4 | 1.51 | 100 | 1450 | 400 | 5800 | 200 | 7.9 | 0,79 | 0.53 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

DK2D

EXTRA ABRASION RESISTANT
EXTRA HIGH PRESSURE
FRAS
COMPACT TWO WIRE BRAID HOSE



TESTED UP TO 1 MILLION CYCLES

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

RECOMMENDED FOR:

Extra high pressure hydraulic oil lines in applications where the hose cover is subjected to abrasion. Compact dimensions and small bend radius are advantages in installations where space is limited.

PERFORMANCE:

Exceeds the Performance Requirements of: EN 857 Type 2SC, ISO 6805 Type 1 & Type 2, ISO 6805 Type 4 (sizes -10 and above), ISO 11237 Type 2SC.

CONSTRUCTION:

RYCO Proprietary DK2D design.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Two braids of high tensile steel wire.

COVER:

DIEHARD™ Black, oil, ozone and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:

The very high abrasion resistant properties of the cover, combined with the extra high working pressures and excellent impulse life, results in increased service life and minimises equipment downtime. Compact dimensions and small bend radius are advantages in installations where space is limited.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A, and requirements of ISO 6805 when tested in accordance with ISO 8030 and ISO 8031.

Meets Flame Resistant Designation "U.S MSHA" of the US Department of Labour, Mine Safety and Health Administration.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -06) pages 189 to 234. Assembly Instructions pages 480.

Not suitable for use with field attachable couplings.

| DK2D - COMPACT EXTRA HIGH PRESSURE NON-SKIVE HOSE | | | | | | | | | | | | | | | |
|---|-----------|--------------------|--------------------|--------------------------------|------------------------------|---------------------------|-------------------|------------------------------|------|-------|-----|------|------|-------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | NOMINAL HOSE OD | MAXIMUM WORKING PRESSURE | MINIMUM BURST PRESSURE | MINIMUM BEND RADIUS | AVERAGE WEIGHT | COUPLING SERIES ONE PIECE | | | | | | | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| DK24D | 6 | -04 | 6,7 | 1/4 | 13,7 | 0.54 | 450 | 6525 | 1800 | 26100 | 45 | 1.8 | 0,30 | 0.20 | T2000 |
| DK25D | 8 | -05 | 8,2 | 5/16 | 14,8 | 0.60 | 420 | 6100 | 1680 | 24400 | 60 | 2.4 | 0,36 | 0.24 | T2000 |
| DK26D | 10 | -06 | 9,8 | 3/8 | 17,1 | 0.67 | 385 | 5590 | 1540 | 22360 | 70 | 2.8 | 0,41 | 0.27 | T2000 |
| DK28D | 12 | -08 | 13,0 | 1/2 | 20,3 | 0.80 | 345 | 5000 | 1380 | 20000 | 90 | 3.5 | 0,55 | 0.37 | T2000 |
| DK210D | 16 | -10 | 16,2 | 5/8 | 24,1 | 0.95 | 290 | 4210 | 1160 | 16840 | 130 | 5.1 | 0,69 | 0.46 | T2000 |
| DK212D | 19 | -12 | 19,3 | 3/4 | 27,8 | 1.09 | 280 | 4100 | 1120 | 16400 | 160 | 6.3 | 0,88 | 0.59 | T2000 |
| DK216D | 25 | -16 | 25,8 | 1 | 35,6 | 1.40 | 200 | 2900 | 800 | 11600 | 210 | 8.3 | 1,31 | 0.88 | T2000 |
| DK220D | 31 | -20 | 32,2 | 1.1/4 | 43,5 | 1.71 | 175 | 2540 | 700 | 10160 | 280 | 11.0 | 1,70 | 1.14 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

BRAID

DK2E

EXTRA HIGH PRESSURE
COMPACT TWO WIRE BRAID HOSE



TESTED UP TO 1 MILLION CYCLES

RECOMMENDED FOR:

High pressure hydraulic oil lines. Ideal for high pressure use that requires a compact outside diameter and smaller bend radius than some other two wire braid hoses.

PERFORMANCE:

Exceeds the Performance Requirements of: EN 857 Type 2SC, ISO 6805 Type 1 & Type 2, ISO 6805 Type 4 (sizes -10 and above), ISO 11237 Type 2SC.

CONSTRUCTION:

RYCO Proprietary DK2E design.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Two braids of high tensile steel wire.

COVER:

Black, oil resistant synthetic rubber. No skiving required with T2000 Series Crimp Couplings.

FEATURES:

The extra high working pressures and excellent impulse life, results in increased service life and minimises equipment downtime.

Compact dimensions and small bend radius are advantages in installations where space is limited.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -20) pages 189 to 234.

Assembly Instructions pages 480.

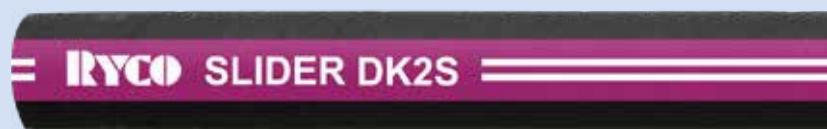
Not suitable for use with field attachable couplings.

| DK2E - COMPACT EXTRA HIGH PRESSURE NON-SKIVE HOSE | | | | | | | | | | | | | | | |
|---|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|------------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| DK24E | 6 | -04 | 6,7 | 1/4 | 13,7 | 0.54 | 450 | 6525 | 1800 | 26100 | 45 | 1.8 | 0,30 | 0.20 | T2000 |
| DK25E | 8 | -05 | 8,2 | 5/16 | 14,8 | 0.60 | 420 | 6100 | 1680 | 24400 | 60 | 2.4 | 0,36 | 0.24 | T2000 |
| DK26E | 10 | -06 | 9,8 | 3/8 | 17,1 | 0.67 | 385 | 5590 | 1540 | 22360 | 70 | 2.8 | 0,41 | 0.27 | T2000 |
| DK28E | 12 | -08 | 13,0 | 1/2 | 20,3 | 0.80 | 345 | 5000 | 1380 | 20000 | 90 | 3.5 | 0,55 | 0.37 | T2000 |
| DK210E | 16 | -10 | 16,2 | 5/8 | 24,1 | 0.95 | 290 | 4210 | 1160 | 16840 | 130 | 5.1 | 0,69 | 0.46 | T2000 |
| DK212E | 19 | -12 | 19,3 | 3/4 | 27,8 | 1.09 | 280 | 4100 | 1120 | 16400 | 160 | 6.3 | 0,88 | 0.59 | T2000 |
| DK216E | 25 | -16 | 25,8 | 1 | 35,6 | 1.40 | 200 | 2900 | 800 | 11600 | 210 | 8.3 | 1,31 | 0.88 | T2000 |
| DK220E | 31 | -20 | 32,2 | 1.1/4 | 43,5 | 1.71 | 175 | 2540 | 700 | 10160 | 280 | 11.0 | 1,70 | 1.14 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

DK2S

EXTREMELY ABRASION RESISTANT
EXTRA HIGH PRESSURE
COMPACT TWO WIRE BRAID HOSE



TESTED UP TO 1 MILLION CYCLES

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

RECOMMENDED FOR:

Extra high pressure hydraulic oil lines in applications where the hose cover is subjected to abrasion. Compact dimensions and small bend radius are advantages in installations where space is limited.

PERFORMANCE:

Exceeds the Performance Requirements of:
EN 857 Type 2SC, ISO 6805 Type 1 & Type 2, ISO 6805 Type 4 (sizes -10 and above), ISO 11237 Type 2SC.

CONSTRUCTION:

RYCO Proprietary DK2S design.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Two braids of high tensile steel wire.

COVER:

SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FEATURES:

The extremely abrasion resistant properties of the cover, combined with the extra high working pressures and excellent impulse life, results in increased service life and minimises equipment downtime. Compact dimensions and small bend radius are advantages in installations where space is limited.

MSHA - FLAME RESISTANCE:

SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -20) pages 189 to 234. Assembly Instructions pages 480.

Not suitable for use with field attachable couplings.

| DK2S - COMPACT EXTRA HIGH PRESSURE NON-SKIVE HOSE | | | | | | | | | | | | | | | |
|---|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|------------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| DK24S | 6 | -04 | 6,7 | 1/4 | 13,7 | 0.54 | 450 | 6525 | 1800 | 26100 | 45 | 1.8 | 0,30 | 0.20 | T2000 |
| DK25S | 8 | -05 | 8,2 | 5/16 | 14,8 | 0.60 | 420 | 6100 | 1680 | 24400 | 60 | 2.4 | 0,36 | 0.24 | T2000 |
| DK26S | 10 | -06 | 9,8 | 3/8 | 17,1 | 0.67 | 385 | 5590 | 1540 | 22360 | 70 | 2.8 | 0,41 | 0.27 | T2000 |
| DK28S | 12 | -08 | 13,0 | 1/2 | 20,3 | 0.80 | 345 | 5000 | 1380 | 20000 | 90 | 3.5 | 0,55 | 0.37 | T2000 |
| DK210S | 16 | -10 | 16,2 | 5/8 | 24,1 | 0.95 | 290 | 4210 | 1160 | 16840 | 130 | 5.1 | 0,69 | 0.46 | T2000 |
| DK212S | 19 | -12 | 19,3 | 3/4 | 27,8 | 1.09 | 280 | 4100 | 1120 | 16400 | 160 | 6.3 | 0,88 | 0.59 | T2000 |
| DK216S | 25 | -16 | 25,8 | 1 | 35,6 | 1.40 | 200 | 2900 | 800 | 11600 | 210 | 8.3 | 1,31 | 0.88 | T2000 |
| DK220S | 31 | -20 | 32,2 | 1.1/4 | 43,5 | 1.71 | 175 | 2540 | 700 | 10160 | 280 | 11.0 | 1,70 | 1.14 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.



ENERGY EFFICIENT

ENERGY AND PERFORMANCE

EC1 & EC2

ENERGY COMPACT HOSE

E1 & E2

ENERGY HOSE

The agricultural equipment manufacturing and distribution industry has been the cornerstone of RYCO since our humble beginnings. Today, Original Equipment Manufacturer's rely on RYCO to create and supply specialised product that performs above the requirements of our ever increasing, challenging applications.

Agricultural equipment manufacturer's utilise and trust RYCO products in regional and international markets.

The demanding conditions in which these machines operate highlights the proven design features and product durability of RYCO Hydraulic Hose, Adaptors, Couplings, and Field Attachable fittings.

You will find RYCO products on cane harvesters, laser levellers, front end loaders and backhoes, timber harvesting equipment, ploughs, bailers, tractors (two through to eight wheel drive) and just about any other implement imaginable. RYCO gives cost effective returns to the farming community and suppliers.

ENERGY EFFICIENT

RYCO's E1 & E2 & RYCO EC1 & EC2 Hydraulic Hose provides you with superior operator comfort for improved working conditions and precise control for optimum machinery performance. With RYCO on the inside you get the consistent performance needed for maximum yields.

RYCO PERFORMANCE

RYCO's comprehensive testing and evaluation process guarantees you the performance and quality required to meet the demands of today's applications, by safely conveying fluids at high pressure.

RYCO ENERGY hose has performance of:

RYCO EC1

EN 857 Type 1SC & ISO 11237 Type 1SC .

RYCO EC2

EN 857 Type 2SC, ISO 11237 Type 2SC & SAE 100R16

RYCO E1

AS3791 100R1AT, DIN 20022-1SN, EN 853 Type 1SN, ISO 1436 Types R1AT & 1SN, SAE 100R1AT.

RYCO E2

AS3791 100R2AT, DIN 20022-2SN, EN 853 Type 2SN, ISO 1436 Types R2AT & 2SN, SAE 100R2AT.

WE HAVE YOU COVERED

RYCO ENERGY contains two braids of high tensile steel wire. The E2 & EC range of hoses is 1/4" to 1".

RYCO ENERGY hose cover is black, oil resistant synthetic rubber.

RYCO EC SERIES

Non-Skive One piece Couplings T2000.

RYCO E SERIES

Non-Skive One piece Couplings T2000 & T7000.

Field Attachable Non-Skive 6000 insert (L000 ferrule).



EC1

ENERGY COMPACT ONE WIRE BRAID HOSE



INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

RECOMMENDED FOR:

High pressure hydraulic oil lines. Ideal for high pressure use that requires a more compact outside diameter than some other one wire braid hoses.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: EN 857 Type 1SC, ISO 11237 Type 1SC.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One braid of high tensile steel wire.

COVER:

Black, oil resistant synthetic rubber. No skiving required with T2000 Series Crimp Couplings.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -16) pages 189 to 234. Assembly Instructions pages 480.

| EC1 - ENERGY COMPACT HOSE | | | | | | | | | | | | | | | |
|---------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|-----|----------------|------|---------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| EC14 | 6 | -04 | 6,6 | 1/4 | 12,2 | 0.48 | 225 | 3250 | 900 | 13000 | 50 | 2.0 | 0,20 | 0.13 | T2000 |
| EC15 | 8 | -05 | 8,2 | 5/16 | 13,9 | 0.55 | 215 | 3100 | 860 | 12400 | 55 | 2.2 | 0,22 | 0.15 | T2000 |
| EC16 | 10 | -06 | 9,8 | 3/8 | 15,6 | 0.61 | 180 | 2600 | 720 | 10400 | 65 | 2.6 | 0,26 | 0.17 | T2000 |
| EC18 | 12 | -08 | 13,0 | 1/2 | 19,0 | 0.75 | 160 | 2300 | 640 | 9200 | 85 | 3.3 | 0,33 | 0.22 | T2000 |
| EC110 | 16 | -10 | 16,2 | 5/8 | 22,2 | 0.80 | 130 | 1900 | 520 | 7600 | 100 | 3.9 | 0,44 | 0.30 | T2000 |
| EC112 | 19 | -12 | 19,1 | 3/4 | 25,6 | 1.01 | 105 | 1500 | 420 | 6000 | 115 | 4.5 | 0,50 | 0.34 | T2000 |
| EC116 | 25 | -16 | 25,4 | 1 | 33,6 | 1.32 | 90 | 1280 | 360 | 5120 | 150 | 5.9 | 0,75 | 0.50 | T2000 |

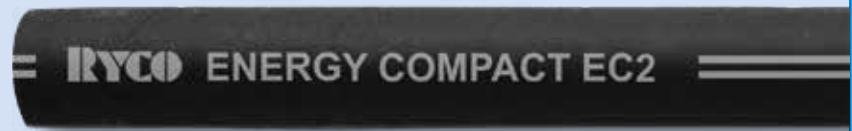
Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

BRAID

EC2

ENERGY COMPACT TWO WIRE BRAID HOSE



RECOMMENDED FOR:

High pressure hydraulic oil lines. Ideal for high pressure use that requires a compact outside diameter and smaller bend radius than some other two wire braid hoses.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: EN 857 Type 2SC, ISO 11237 Type 2SC, SAE 100R16.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Two braids of high tensile steel wire.

COVER:

Black, oil resistant synthetic rubber. No skiving required with T2000 Series Crimp Couplings.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -16) pages 189 to 234.
Assembly Instructions pages 480.

| EC2 - ENERGY COMPACT HOSE | | | | | | | | | | | | | | | |
|---------------------------|-----------|-----------------|-----------------|--------------------------|------------------------|---------------------|----------------|-----------------|------|-------|-----|------|------|-------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | NOMINAL HOSE OD | MAXIMUM WORKING PRESSURE | MINIMUM BURST PRESSURE | MINIMUM BEND RADIUS | AVERAGE WEIGHT | COUPLING SERIES | | | | | | | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| EC24 | 6 | -04 | 6,6 | 1/4 | 13,4 | 0.53 | 400 | 5800 | 1600 | 23200 | 50 | 2.0 | 0,28 | 0.19 | T2000 |
| EC25 | 8 | -05 | 8,2 | 5/16 | 14,9 | 0.59 | 350 | 5100 | 1400 | 20400 | 55 | 2.2 | 0,41 | 0.27 | T2000 |
| EC26 | 10 | -06 | 9,8 | 3/8 | 17,3 | 0.68 | 330 | 4800 | 1320 | 19200 | 65 | 2.5 | 0,43 | 0.29 | T2000 |
| EC28 | 12 | -08 | 13,0 | 1/2 | 20,3 | 0.80 | 275 | 4000 | 1100 | 16000 | 90 | 3.5 | 0,51 | 0.34 | T2000 |
| EC210 | 16 | -10 | 16,2 | 5/8 | 23,6 | 0.93 | 250 | 3625 | 1000 | 14500 | 100 | 4.0 | 0,63 | 0.42 | T2000 |
| EC212 | 19 | -12 | 19,1 | 3/4 | 27,6 | 1.09 | 215 | 3100 | 860 | 12400 | 120 | 4.7 | 0,81 | 0.55 | T2000 |
| EC216 | 25 | -16 | 25,4 | 1 | 35,8 | 1.40 | 165 | 2400 | 660 | 9700 | 150 | 5.9 | 1,10 | 0.74 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.


RECOMMENDED FOR:

High pressure hydraulic oil pilot lines. Compact dimensions and very small bend radius are advantages in installations where space is limited.

CONSTRUCTION:

RYCO Proprietary ECP1 Design.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One braid of high tensile steel wire.

COVER:

Black, oil resistant synthetic rubber. No skiving required with T2000 Series Crimp Couplings.

FEATURES:

Light and extremely flexible, with compact dimensions and a very small bend radius that are advantages in installations where space is limited. Low volumetric expansion ensures maximum responsiveness of hydraulic controls.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F), with intermittent operation up to +121°C (+250°F).

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -03 to -08) pages 189 to 234. Assembly Instructions pages 480.

| ECP1 - PILOT COMPACT HOSE | | | | | | | | | | | | | | | |
|---------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|----|----------------|------|---------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| ECP13 | 5 | -03 | 5,0 | 3/16 | 10,3 | 0.41 | 125 | 1800 | 500 | 7200 | 25 | 1.0 | 0.11 | 0.05 | T2000 |
| ECP14 | 6 | -04 | 6,7 | 1/4 | 11,8 | 0.46 | 125 | 1800 | 500 | 7200 | 30 | 1.2 | 0.14 | 0.06 | T2000 |
| ECP15 | 8 | -05 | 8,3 | 5/16 | 13,3 | 0.52 | 125 | 1800 | 500 | 7200 | 40 | 1.6 | 0.16 | 0.07 | T2000 |
| ECP16 | 10 | -06 | 9,9 | 3/8 | 14,9 | 0.59 | 125 | 1800 | 500 | 7200 | 50 | 2.0 | 0.19 | 0.09 | T2000 |
| ECP18 | 12 | -08 | 13,0 | 1/2 | 18,3 | 0.72 | 125 | 1800 | 500 | 7200 | 60 | 2.4 | 0.28 | 0.13 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

BRAID

E1

ENERGY
ONE WIRE BRAID HOSE



RECOMMENDED FOR:

High pressure hydraulic oil lines.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R1AT, DIN 20022-1SN, EN 853 Type 1SN, ISO 1436 Types R1AT & 1SN, SAE 100R1AT.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One braid of high tensile steel wire.

COVER:

Black, oil resistant synthetic rubber. No skiving required with T2000 Series Crimp Couplings and K000 Series Field Attachable Couplings.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -16) pages 189 to 234.
Assembly Instructions pages 480.

FIELD ATTACHABLE NON-SKIVE

6000 SERIES insert (sizes -04 to -16) pages 252 to 273.

K000 Series ferrule (sizes -04 to -16) page 355.
Assembly Instructions page 478.

| E1 - ENERGY HOSE | | | | | | | | | | | | | | | | |
|------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|-----------|-----------|-------------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | ONE PIECE | FIELD ATT | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE | |
| E13 | 5 | 03 | 5,0 | 3/16 | 11,4 | 0.45 | 250 | 3,625 | 1000 | 14500 | 90 | 3.5 | 0,18 | 0.12 | T2000 | 6000 (K000) |
| E14 | 6 | -04 | 6,6 | 1/4 | 13,0 | 0.52 | 225 | 3250 | 900 | 13000 | 100 | 4.0 | 0,22 | 0.15 | T2000 | 6000 (K000) |
| E15 | 8 | -05 | 8,2 | 5/16 | 14,6 | 0.59 | 215 | 3100 | 860 | 12400 | 115 | 4.5 | 0,25 | 0.17 | T2000 | |
| E16 | 10 | -06 | 9,8 | 3/8 | 16,7 | 0.68 | 180 | 2600 | 720 | 10400 | 125 | 5.0 | 0,31 | 0.21 | T2000 | 6000 (K000) |
| E18 | 12 | -08 | 13,0 | 1/2 | 20,0 | 0.80 | 160 | 2300 | 640 | 9200 | 180 | 7.0 | 0,39 | 0.26 | T2000 | 6000 (K000) |
| E110 | 16 | -10 | 16,2 | 5/8 | 23,4 | 0.93 | 130 | 1900 | 520 | 7600 | 200 | 7.9 | 0,49 | 0.33 | T2000 | 6000 (K000) |
| E112 | 19 | -12 | 19,1 | 3/4 | 27,4 | 1.09 | 105 | 1500 | 420 | 6000 | 240 | 9.5 | 0,62 | 0.42 | T2000 | 6000 (K000) |
| E116 | 25 | -16 | 25,4 | 1 | 35,8 | 1.40 | 90 | 1280 | 360 | 5120 | 300 | 11.8 | 0,90 | 0.60 | T2000 | 6000 (K000) |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

E2

ENERGY TWO WIRE BRAID HOSE



INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

RECOMMENDED FOR:

High pressure hydraulic oil lines.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of:
AS 3791 100R2AT, DIN 20022 - 2SN, EN 853 Type 2SN,
ISO 1436 Types R2AT & 2SN, SAE 100R2AT.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Two braids of high tensile steel wire.

COVER:

Black, oil resistant synthetic rubber. No skiving required with
T2000 and T7000 Series Crimp Couplings and L000 Series
Field Attachable Couplings.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor
(maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -16) pages 189 to 234.

T7000 Series (sizes -06 to -16) pages 274 to 304.

Assembly Instructions pages 480.

FIELD ATTACHABLE NON-SKIVE

6000 SERIES insert (sizes -04 to -16) pages 252 to 273.

L000 Series ferrule (sizes -04 to -16) page 355.

Assembly Instructions page 478.

| E2 - ENERGY HOSE | | | | | | | | | | | | | | | | | |
|------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|-----------|-----------|-------|-------------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | ONE PIECE | FIELD ATT | | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE | | |
| E24 | 6 | -04 | 6,6 | 1/4 | 14,6 | 0.59 | 400 | 5800 | 1600 | 23200 | 100 | 3.9 | 0,35 | 0.24 | T2000 | | 6000 (L000) |
| E25 | 8 | -05 | 8,2 | 5/16 | 16,4 | 0.65 | 350 | 5100 | 1400 | 20400 | 115 | 4.5 | 0,42 | 0.28 | T2000 | | |
| E26 | 10 | -06 | 9,8 | 3/8 | 18,5 | 0.74 | 330 | 4800 | 1320 | 19200 | 125 | 5.0 | 0,51 | 0.34 | T2000 | T7000 | 6000 (L000) |
| E28 | 12 | -08 | 13,0 | 1/2 | 21,7 | 0.86 | 275 | 4000 | 1100 | 16000 | 180 | 7.0 | 0,65 | 0.44 | T2000 | T7000 | 6000 (L000) |
| E210 | 16 | -10 | 16,2 | 5/8 | 24,9 | 0.99 | 250 | 3625 | 1000 | 14500 | 200 | 7.9 | 0,75 | 0.50 | T2000 | T7000 | 6000 (L000) |
| E212 | 19 | -12 | 19,1 | 3/4 | 28,9 | 1.15 | 215 | 3100 | 860 | 12400 | 240 | 9.5 | 0,93 | 0.62 | T2000 | T7000 | 6000 (L000) |
| E216 | 25 | -16 | 25,4 | 1 | 37,3 | 1.48 | 165 | 2400 | 660 | 9600 | 300 | 11.8 | 1,30 | 0.87 | T2000 | T7000 | 6000 (L000) |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

BRAID

T1D

EXTRA ABRASION RESISTANT
FRAS
ONE WIRE BRAID HOSE



RECOMMENDED FOR:

High pressure hydraulic oil lines in applications where the outside cover of the hose is subjected to abrasion that may cause premature failure of standard hoses.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of:
AS 3791 100R1AT, DIN 20022-1SN, EN 853 Type 1SN,
ISO 1436 Types R1AT & 1SN, SAE 100R1AT.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One braid of high tensile steel wire.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings and K000 Series Field Attachable Couplings.

FEATURES:

The very high abrasion resistant properties of the cover, combined with the high working pressures and excellent impulse life, when tested to EN 853 Type 1SN/SAE 100R1AT test conditions, result in increased service life and minimise equipment downtime.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA, KR & MA-KA.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -03 to -32) pages 189 to 234.
Assembly Instructions pages 480.

FIELD ATTACHABLE NON-SKIVE

6000 SERIES insert (sizes -03 to -16) pages 252 to 273.
K000 Series ferrule (sizes -03 to -16) page 355.
Assembly Instructions page 478.

| T1D - DIEHARD NON-SKIVE HOSE | | | | | | | | | | | | | | | | |
|---------------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|-----------|-----------|-------------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | ONE PIECE | FIELD ATT | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE | |
| T13D | 5 | -03 | 4,8 | 3/16 | 11,7 | 0.46 | 250 | 3600 | 1000 | 14500 | 35 | 1.4 | 0,19 | 0.13 | T2000 | 6000 (K000) |
| T14D | 6 | -04 | 6,6 | 1/4 | 13,3 | 0.52 | 225 | 3250 | 900 | 13000 | 40 | 1.5 | 0,22 | 0.15 | T2000 | 6000 (K000) |
| T15D | 8 | -05 | 8,2 | 5/16 | 14,9 | 0.59 | 215 | 3100 | 860 | 12400 | 50 | 2.0 | 0,25 | 0.17 | T2000 | |
| T16D | 10 | -06 | 9,8 | 3/8 | 17,3 | 0.68 | 180 | 2600 | 720 | 10400 | 50 | 2.0 | 0,31 | 0.21 | T2000 | 6000 (K000) |
| T18D | 12 | -08 | 13,0 | 1/2 | 20,3 | 0.80 | 160 | 2300 | 640 | 9200 | 75 | 3.0 | 0,39 | 0.26 | T2000 | 6000 (K000) |
| T110D | 16 | -10 | 16,2 | 5/8 | 23,6 | 0.93 | 130 | 1900 | 520 | 7600 | 90 | 3.5 | 0,49 | 0.33 | T2000 | 6000 (K000) |
| T112D | 19 | -12 | 19,1 | 3/4 | 27,6 | 1.09 | 105 | 1500 | 420 | 6000 | 110 | 4.3 | 0,62 | 0.42 | T2000 | 6000 (K000) |
| T116D | 25 | -16 | 25,4 | 1 | 35,5 | 1.40 | 90 | 1300 | 360 | 5200 | 140 | 5.5 | 0,90 | 0.60 | T2000 | 6000 (K000) |
| T120D | 31 | -20 | 31,8 | 1.1/4 | 43,2 | 1.70 | 65 | 945 | 260 | 3780 | 210 | 8.3 | 1,21 | 0.81 | T2000 | |
| T124D | 38 | -24 | 38,1 | 1.1/2 | 50,2 | 1.98 | 50 | 725 | 200 | 2900 | 250 | 9.8 | 1,45 | 0.97 | T2000 | |
| T132D | 51 | -32 | 50,8 | 2 | 63,6 | 2.50 | 40 | 580 | 160 | 2320 | 315 | 12.4 | 2,09 | 1.40 | T2000 | |

* When using A000 Series Field Attachable Couplings on T1D Series Hose, cover of hose must be skived at ends.
Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T1S

**EXTREMELY ABRASION RESISTANT
ONE WIRE BRAID HOSE**

RECOMMENDED FOR:

High pressure hydraulic oil lines.

PERFORMANCE:

 Meets or Exceeds the Performance Requirements of:
 AS 3791 100R1AT, DIN 20022-1SN, EN 853 Type 1SN,
 ISO 1436 Types R1AT & 1SN, SAE 100R1AT.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One braid of high tensile steel wire.

COVER:
SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

MSHA - FLAME RESISTANCE:
SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

 From -40°C to +100°C (-40°F to +212°F).
 For water, emulsions etc. see page 58..

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA, KR & MA-KA.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP
T2000 Series (sizes -03 to -32) pages 189 to 234.
 Assembly Instructions pages 480.

| T1S - SLIDER NON-SKIVE HOSE | | | | | | | | | | | | | | | |
|--------------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|------------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| T13S | 5 | -03 | 4,8 | 3/16 | 11,7 | 0.46 | 250 | 3600 | 1000 | 14500 | 35 | 1.4 | 0,19 | 0.13 | T2000 |
| T14S | 6 | -04 | 6,6 | 1/4 | 13,3 | 0.52 | 225 | 3250 | 900 | 13000 | 40 | 1.5 | 0,22 | 0.15 | T2000 |
| T15S | 8 | -05 | 8,2 | 5/16 | 14,9 | 0.59 | 215 | 3100 | 860 | 12400 | 50 | 2.0 | 0,25 | 0.17 | T2000 |
| T16S | 10 | -06 | 9,8 | 3/8 | 17,3 | 0.68 | 180 | 2600 | 720 | 10400 | 50 | 2.0 | 0,31 | 0.21 | T2000 |
| T18S | 12 | -08 | 13,0 | 1/2 | 20,3 | 0.80 | 160 | 2300 | 640 | 9200 | 75 | 3.0 | 0,39 | 0.26 | T2000 |
| T110S | 16 | -10 | 16,2 | 5/8 | 23,6 | 0.93 | 130 | 1900 | 520 | 7600 | 90 | 3.5 | 0,49 | 0.33 | T2000 |
| T112S | 19 | -12 | 19,1 | 3/4 | 27,6 | 1.09 | 105 | 1500 | 420 | 6000 | 110 | 4.3 | 0,62 | 0.42 | T2000 |
| T116S | 25 | -16 | 25,4 | 1 | 35,5 | 1.40 | 90 | 1300 | 360 | 5200 | 140 | 5.5 | 0,90 | 0.60 | T2000 |
| T120S | 31 | -20 | 31,8 | 1.1/4 | 43,2 | 1.70 | 65 | 945 | 260 | 3780 | 210 | 8.3 | 1,21 | 0.81 | T2000 |
| T124S | 38 | -24 | 38,1 | 1.1/2 | 50,2 | 1.98 | 50 | 725 | 200 | 2900 | 250 | 9.8 | 1,45 | 0.97 | T2000 |
| T132S | 51 | -32 | 50,8 | 2 | 63,6 | 2.50 | 40 | 580 | 160 | 2320 | 315 | 12.4 | 2,09 | 1.40 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

BRAID

T1F

FIRE SUPPRESSION
ONE WIRE BRAID HOSE



RECOMMENDED FOR

Use in Fire Suppression Systems of off-road vehicles, mining equipment, stationary engines, etc. The hose is coloured red, for easy identification as part of the Fire Suppression System.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R1AT, DIN 20022-1SN, EN 853 Type 1SN, ISO 1436 Types R1AT & 1SN, SAE 100R1AT.

TUBE:

Black, oil resistant synthetic rubber. Resistant to aqueous film forming foam, dry chemical powder, carbon dioxide, and water based fire extinguishing agents.

REINFORCEMENT:

One braid of high tensile steel wire.

COVER:

Red, heat resistant, abrasion resistant and oil resistant rubber. Flame Resistant to Australian Standard AS 2660 and U.S. MSHA requirements. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings and K000 Series Field Attachable Couplings.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

Complies with Flame Resistant requirements of Australian Standard AS 2660 and Method of Test AS 1180.10B Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58..

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -03 to -16) pages 189 to 234.
Assembly Instructions pages 480.

FIELD ATTACHABLE NON-SKIVE

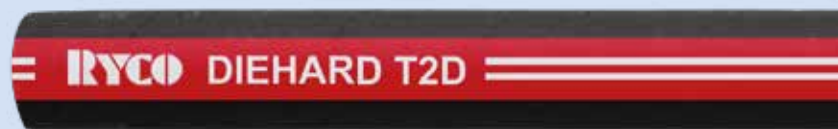
6000 SERIES insert (sizes -03 to -16) pages 252 to 273.
K000 Series ferrule (sizes -03 to -16) page 355.
Assembly Instructions page 478.

| T1F - FIRE SUPPRESSION NON-SKIVE HOSE | | | | | | | | | | | | | | | | |
|--|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|-----------|-----------|-------------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | ONE PIECE | FIELD ATT | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE | |
| T13F | 5 | -03 | 4,8 | 3/16 | 11,7 | 0.46 | 250 | 3600 | 1000 | 14500 | 90 | 3.5 | 0,19 | 0.13 | T2000 | 6000 (K000) |
| T14F | 6 | -04 | 6,6 | 1/4 | 13,3 | 0.52 | 225 | 3250 | 900 | 13000 | 100 | 3.9 | 0,22 | 0.15 | T2000 | 6000 (K000) |
| T15F | 8 | -05 | 8,2 | 5/16 | 14,9 | 0.59 | 215 | 3100 | 860 | 12400 | 115 | 4.5 | 0,25 | 0.17 | T2000 | |
| T16F | 10 | -06 | 9,8 | 3/8 | 17,3 | 0.68 | 180 | 2600 | 720 | 10400 | 125 | 5.0 | 0,31 | 0.21 | T2000 | 6000 (K000) |
| T18F | 12 | -08 | 13,0 | 1/2 | 20,3 | 0.80 | 160 | 2300 | 640 | 9200 | 180 | 7.0 | 0,39 | 0.26 | T2000 | 6000 (K000) |
| T110F | 16 | -10 | 16,2 | 5/8 | 23,6 | 0.93 | 130 | 1900 | 520 | 7600 | 200 | 7.9 | 0,49 | 0.33 | T2000 | 6000 (K000) |
| T112F | 19 | -12 | 19,1 | 3/4 | 27,6 | 1.09 | 105 | 1500 | 420 | 6000 | 240 | 9.5 | 0,62 | 0.41 | T2000 | 6000 (K000) |
| T116F | 25 | -16 | 25,4 | 1 | 35,5 | 1.40 | 90 | 1300 | 360 | 5200 | 300 | 11.8 | 0,90 | 0.60 | T2000 | 6000 (K000) |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T2D

EXTRA ABRASION RESISTANT
FRAS
TWO WIRE BRAID HOSE



RECOMMENDED FOR:

High pressure hydraulic oil lines in applications where the outside cover of the hose is subjected to abrasion that may cause premature failure of standard hoses.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of:
AS 3791 100R2AT, DIN 20022 - 2SN, EN 853 Type 2SN,
ISO 1436 Types R2AT & 2SN, SAE 100R2AT.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Two braids of high tensile steel wire.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 and T7000 Series Crimp Couplings and L000 Series Field Attachable Couplings.

FEATURES:

The very high abrasion resistant properties of the cover, combined with the high working pressures and excellent impulse life when tested to EN 853 Type 2SN/SAE 100R2AT test conditions result in, increased service life and minimise equipment downtime.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58..

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA, KR & MA-KA.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -48) pages 189 to 234.

T7000 Series (sizes -06 to -32) pages 274 to 304.

Assembly Instructions pages 480.

FIELD ATTACHABLE NON-SKIVE

6000 SERIES insert (sizes -04 to -20) pages 252 to 273.

L000 Series ferrule (sizes -04 to -20) page 355.

Assembly Instructions page 478.

| T2D - DIEHARD NON-SKIVE HOSE | | | | | | | | | | | | | | COUPLING SERIES | | |
|------------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|-----------------|-----------|-------------------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | ONE PIECE | FIELD ATT | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE | |
| T24D | 6 | -04 | 6,6 | 1/4 | 14,6 | 0.59 | 420 | 6100 | 1680 | 24400 | 100 | 3.9 | 0,35 | 0.24 | T2000 | 6000 (L000) |
| T25D | 8 | -05 | 8,2 | 5/16 | 16,4 | 0.65 | 350 | 5100 | 1400 | 20400 | 114 | 4.5 | 0,42 | 0.28 | T2000 | |
| T26D | 10 | -06 | 9,8 | 3/8 | 18,5 | 0.74 | 350 | 5100 | 1400 | 20400 | 125 | 5.0 | 0,51 | 0.34 | T2000 | T7000 6000 (L000) |
| T28D | 12 | -08 | 13,0 | 1/2 | 21,7 | 0.86 | 350 | 5100 | 1400 | 20400 | 178 | 7.0 | 0,65 | 0.44 | T2000 | T7000 6000 (L000) |
| T210D | 16 | -10 | 16,2 | 5/8 | 24,9 | 0.99 | 250 | 3600 | 1000 | 14400 | 200 | 7.9 | 0,75 | 0.50 | T2000 | T7000 6000 (L000) |
| T212D | 19 | -12 | 19,1 | 3/4 | 28,9 | 1.15 | 215 | 3100 | 860 | 12400 | 240 | 9.5 | 0,93 | 0.62 | T2000 | T7000 6000 (L000) |
| T216D | 25 | -16 | 25,4 | 1 | 37,3 | 1.48 | 175 | 2500 | 700 | 10000 | 300 | 11.8 | 1,30 | 0.87 | T2000 | T7000 6000 (L000) |
| T220D | 31 | -20 | 31,8 | 1.1/4 | 47,2 | 1.87 | 140 | 2000 | 560 | 8000 | 420 | 16.5 | 1,97 | 1.33 | T2000 | T7000 6000 (L000) |
| T224D | 38 | -24 | 38,1 | 1.1/2 | 54,2 | 2.13 | 100 | 1450 | 400 | 5800 | 500 | 19.7 | 2,48 | 1.67 | T2000 | T7000 |
| T232D | 51 | -32 | 50,8 | 2 | 66,8 | 2.63 | 90 | 1300 | 360 | 5200 | 600 | 23.6 | 3,02 | 2.03 | T2000 | T7000 |
| T240D | 63 | -40 | 63,5 | 2.1/2 | 80,1 | 3.15 | 70 | 1000 | 280 | 4000 | 760 | 29.9 | 3,70 | 2.49 | T2000 | |
| T248D | 76 | -48 | 76,2 | 3 | 91,3 | 3.59 | 70 | 1000 | 280 | 4000 | 900 | 35.4 | 3,99 | 2.68 | T2000 | |

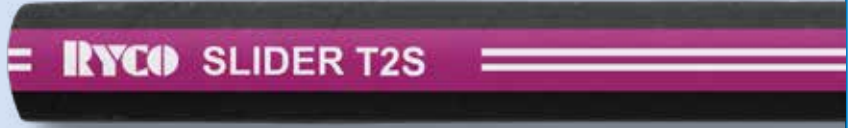
- When using B000 Series Field Attachable Couplings on T2D Series Hose, cover of hose must be skived at ends. Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

BRAID

T2S

EXTREMELY ABRASION RESISTANT
TWO WIRE BRAID HOSE



RECOMMENDED FOR:

High pressure hydraulic oil lines in applications where the outside cover of the hose is subjected to sliding abrasion that may cause premature failure of standard hoses.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R2AT, DIN 20022-2SN, EN 853 Type 2SN, ISO 1436 Type 2AT, SAE 100R2AT.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Two braids of high tensile steel wire.

COVER:

SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 & T7000 Series Crimp Couplings.

MSHA - FLAME RESISTANCE:

SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA, KR & MA-KA.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -32) pages 189 to 234.

T7000 Series (sizes -05 to -32) pages 274 to 304.

Assembly Instructions pages 480.

| T2S - SLIDER NON-SKIVE HOSE | | | | | | | | | | | | | | | |
|--------------------------------|-----------|-----------------|-------|-----------------|------|--------------------------|------|------------------------|-------|---------------------|------|----------------|-------|-----------------|-------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES | |
| | | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE | |
| T24S | 6 -04 | 6,6 | 1/4 | 14,9 | 0.59 | 420 | 6100 | 1680 | 24400 | 100 | 3.9 | 0,35 | 0.24 | T2000 | |
| T25S | 8 -05 | 8,2 | 5/16 | 16,5 | 0.65 | 350 | 5100 | 1400 | 20400 | 114 | 4.5 | 0,42 | 0.28 | T2000 | |
| T26S | 10 -06 | 9,8 | 3/8 | 18,9 | 0.74 | 350 | 5100 | 1400 | 20400 | 125 | 5.0 | 0,51 | 0.34 | T2000 | T7000 |
| T28S | 12 -08 | 13,0 | 1/2 | 21,9 | 0.86 | 350 | 5100 | 1400 | 20400 | 178 | 7.0 | 0,65 | 0.44 | T2000 | T7000 |
| T210S | 16 -10 | 16,2 | 5/8 | 25,1 | 0.99 | 250 | 3600 | 1000 | 14400 | 200 | 7.9 | 0,75 | 0.50 | T2000 | T7000 |
| T212S | 19 -12 | 19,1 | 3/4 | 29,1 | 1.15 | 215 | 3100 | 860 | 12400 | 240 | 9.5 | 0,93 | 0.62 | T2000 | T7000 |
| T216S | 25 -16 | 25,4 | 1 | 37,5 | 1.48 | 175 | 2500 | 700 | 10000 | 300 | 11.8 | 1,30 | 0.87 | T2000 | T7000 |
| T220S | 31 -20 | 31,8 | 1.1/4 | 47,6 | 1.87 | 140 | 2000 | 560 | 8000 | 420 | 16.5 | 1,97 | 1.33 | T2000 | T7000 |
| T224S | 38 -24 | 38,1 | 1.1/2 | 54,1 | 2.13 | 100 | 1450 | 400 | 5800 | 500 | 19.7 | 2,48 | 1.67 | T2000 | T7000 |
| T232S | 51 -32 | 50,8 | 2 | 66,8 | 2.63 | 90 | 1300 | 360 | 5200 | 600 | 23.6 | 3,02 | 2.03 | T2000 | T7000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

T2C

LOW TEMPERATURE HOSE

RECOMMENDED FOR:

High pressure hydraulic oil lines in applications where low temperature environmental conditions exist.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of:
AS 3791 100R2AT, DIN 20022-2SN, EN 853 Type 2SN,
ISO 1436 Types R2AT & 2SN, SAE 100R2AT.

TUBE:

Black, specially formulated oil resistant synthetic rubber.

REINFORCEMENT:

Two braids of high tensile steel wire.

COVER:

Black, oil resistant and abrasion resistant synthetic rubber.
No skiving required with T2000 Series Crimp Couplings.

FEATURES:

Low Temperature hose (-60°C/-76°F).

TEMPERATURE RANGE:

From -60°C to +100°C (-76°F to +212°F).

For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor
(maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -32) pages 189 to 234.
Assembly Instructions pages 480.

| T2C LOW TEMPERATURE HOSE | | | | | | | | | | | | | | | |
|--------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|---------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| T24C | 6 | -04 | 6,6 | 1/4 | 15,0 | 0.59 | 420 | 6100 | 1680 | 24400 | 100 | 3.9 | 0,38 | 0.26 | T2000 |
| T25C | 8 | -05 | 8,2 | 5/16 | 16,6 | 0.65 | 350 | 5100 | 1400 | 20400 | 114 | 4.5 | 0,46 | 0.31 | T2000 |
| T26C | 10 | -06 | 9,8 | 3/8 | 19,0 | 0.75 | 350 | 5100 | 1400 | 20400 | 125 | 5.0 | 0,56 | 0.38 | T2000 |
| T28C | 12 | -08 | 13,0 | 1/2 | 22,2 | 0.87 | 350 | 5100 | 1400 | 20400 | 178 | 7.0 | 0,65 | 0.44 | T2000 |
| T210C | 16 | -10 | 16,2 | 5/8 | 25,2 | 0.99 | 250 | 3600 | 1000 | 14400 | 200 | 7.9 | 0.80 | 0.54 | T2000 |
| T212C | 19 | -12 | 19,1 | 3/4 | 29,1 | 1.15 | 215 | 3100 | 860 | 12400 | 240 | 9.5 | 0,94 | 0.63 | T2000 |
| T216C | 25 | -16 | 25,4 | 1 | 37,2 | 1.46 | 175 | 2500 | 700 | 10000 | 300 | 11.8 | 1,31 | 0.88 | T2000 |
| T220C | 31 | -20 | 31,8 | 1.1/4 | 47,4 | 1.87 | 140 | 2000 | 560 | 8000 | 420 | 16.5 | 1,91 | 1.28 | T2000 |
| T224C | 38 | -24 | 38,1 | 1.1/2 | 53,8 | 2.12 | 100 | 1450 | 400 | 5800 | 500 | 19.7 | 2,14 | 1.44 | T2000 |
| T232C | 51 | -32 | 50,8 | 2 | 66,7 | 2.63 | 90 | 1300 | 360 | 5200 | 600 | 23.6 | 2,78 | 1.87 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

BRAID

TXA2D

EXTRA ABRASION RESISTANT
EXTRA HIGH PRESSURE
FRAS
TWO WIRE BRAID HOSE



RECOMMENDED FOR:

High pressure hydraulic oil lines in applications where the outside cover of the hose is subjected to abrasion that may cause premature failure of standard hoses. Ideal for high pressure use that requires a smaller outside diameter (except -20 size), lighter weight, and more flexibility than spiral hose.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R2AT, BCS 174, DIN 20022-2SN, EN 853 Type 2SN, ISO 1436 Types R2AT & 2SN, SAE 100R2AT.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Two braids of high tensile steel wire.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 & T7000 Series Crimp Couplings and L000 Series Field Attachable Couplings.

FEATURES:

The very high abrasion resistant properties of the cover, combined with the high working pressures and excellent impulse life, when tested to EN 853 Type 2SN/SAE 100R2AT test conditions, result in increased service life and minimise equipment downtime.

FLAME RESISTANCE:

Complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -08 to -16) pages 189 to 234.

T7000 Series (sizes -08 to -16) pages 274 to 304.

Assembly Instructions pages 480.

FIELD ATTACHABLE NON-SKIVE

6000 SERIES insert (sizes -08 to -16) pages 252 to 273.

L000 Series ferrule (sizes -08 to -16) page 355.

Assembly Instructions page 478.

| TXA2D – DIEHARD AGGRESSOR NON-SKIVE HOSE | | | | | | | | | | | | | | | | | |
|--|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|-----------|-----------|-------|-------------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | ONE PIECE | FIELD ATT | | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE | | |
| TXA28D | 12 | -08 | 13,0 | 1/2 | 22,0 | 0.87 | 375 | 5440 | 1500 | 21760 | 178 | 7.0 | 0,72 | 0.48 | T2000 | T7000 | 6000 (L000) |
| TXA210D | 16 | -10 | 16,2 | 5/8 | 25,2 | 0.99 | 350 | 5100 | 1400 | 20400 | 200 | 8.0 | 0,87 | 0.58 | T2000 | T7000 | 6000 (L000) |
| TXA212D | 19 | -12 | 19,1 | 3/4 | 29,1 | 1.15 | 313 | 4530 | 1252 | 18120 | 240 | 9.5 | 1,11 | 0.75 | T2000 | T7000 | 6000 (L000) |
| TXA216D | 25 | -16 | 25,4 | 1 | 37,7 | 1.48 | 225 | 3250 | 900 | 13000 | 300 | 12.0 | 1,50 | 1.01 | T2000 | T7000 | 6000 (L000) |

Contact RYCO for Crimp Diameter and Mark Length for Couplings.

H12D

EXTRA ABRASION RESISTANT
VERY HIGH PRESSURE
FRAS
MULTI-SPIRAL HOSE



INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

RECOMMENDED FOR:

Very high pressure hydraulic oil lines, in applications where the outside cover of the hose is subject to abrasion that may cause premature failure of standard hoses.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of:
AS 3791 100R12, EN 856 Type R12, EN 856 Type 4SP (-12 and above), ISO 3862 Type R12, SAE 100R12.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Four alternating layers of spiralled high tensile steel wire.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T7000 Series Crimp Couplings.

FEATURES:

The very high abrasion resistant properties of the cover, combined with the extra high working pressures and excellent impulse life, when tested to SAE 100R12 test conditions, result in increased service life and minimise equipment downtime.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

From -40°C to +121°C (-40°F to +250°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T7000 Series (sizes -06 to -40) pages 274 to 304.
Assembly Instructions pages 480.

| H12D - DIEHARD SPIRAL HOSE | | | | | | | | | | | | | | | |
|----------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|---------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| H1206D | 10 | -06 | 9,5 | 3/8 | 19,3 | 0.76 | 350 | 5100 | 1400 | 20400 | 125 | 5.0 | 0,61 | 0.41 | T7000 |
| H1208D | 12 | -08 | 12,7 | 1/2 | 22,7 | 0.89 | 350 | 5100 | 1400 | 20400 | 178 | 7.0 | 0,78 | 0.52 | T7000 |
| H1210D | 16 | -10 | 15,9 | 5/8 | 26,2 | 1.03 | 350 | 5100 | 1400 | 20400 | 200 | 7.9 | 0,98 | 0.66 | T7000 |
| H1212D | 19 | -12 | 19,1 | 3/4 | 30,0 | 1.18 | 350 | 5100 | 1400 | 20400 | 240 | 9.5 | 1,21 | 0.81 | T7000 |
| H1216D | 25 | -16 | 25,4 | 1 | 37,4 | 1.47 | 350 | 5100 | 1400 | 20400 | 300 | 11.8 | 1,84 | 1.24 | T7000 |
| H1220D | 31 | -20 | 31,8 | 1.1/4 | 45,7 | 1.80 | 275 | 4000 | 1100 | 16000 | 400 | 15.8 | 2,34 | 1.57 | T7000 |
| H1224D | 38 | -24 | 38,1 | 1.1/2 | 53,0 | 2.09 | 255 | 3700 | 1020 | 14800 | 500 | 19.7 | 3,04 | 2.04 | T7000 |
| H1232D | 51 | -32 | 50,8 | 2 | 66,0 | 2.60 | 210 | 3050 | 840 | 12400 | 600 | 23.6 | 4,23 | 2.84 | T7000 |
| H1240D | 63 | -40 | 63,5 | 2.1/2 | 82,6 | 3.25 | 140 | 2000 | 560 | 8000 | 650 | 25.6 | 5,20 | 3.49 | T7000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

H12S

**EXTREMELY ABRASION RESISTANT
VERY HIGH PRESSURE
MULTI-SPIRAL HOSE**



RECOMMENDED FOR:

Very high pressure hydraulic oil lines, in applications where the outside cover of the hose is subject to sliding abrasion that may cause premature failure of standard hoses.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R12, EN 856 Type R12, EN 856 Type 4SP (-12 and above), ISO 3862 Type R12, SAE 100R12.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Four alternating layers of spiralled high tensile steel wire.

COVER:

SLIDER Black, oil and extremely abrasion resistant synthetic rubber sheathed with a layer of extremely abrasion resistant polyethylene. Flame Resistant, MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T7000 Series Crimp Couplings.

FEATURES:

The extremely high abrasion resistant properties of the polyethylene sheathed cover, combined with the extra high working pressures and excellent impulse life, when tested to SAE 100R12 test conditions, result in increased service life and minimise equipment downtime.

MSHA - FLAME RESISTANCE:

SLIDER complies with Flame Resistant requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

From -40°C to +121°C (-40°F to +250°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T7000 Series (sizes -06 to -32) pages 274 to 304.
Assembly Instructions pages 480.

| H12S - SLIDER SPIRAL HOSE | | | | | | | | | | | | | | | |
|---------------------------|-----------|-----------------|-------|-----------------|------|--------------------------|------|------------------------|-------|---------------------|------|----------------|-------|-----------------|--|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES | |
| | | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | ONE PIECE | |
| H1206S | 10 -06 | 9,5 | 3/8 | 19,3 | 0.76 | 350 | 5100 | 1400 | 20400 | 125 | 5.0 | 0,61 | 0.41 | NON-SKIVE T7000 | |
| H1208S | 12 -08 | 12,7 | 1/2 | 22,7 | 0.89 | 350 | 5100 | 1400 | 20400 | 178 | 7.0 | 0,78 | 0.52 | T7000 | |
| H1210S | 16 -10 | 15,9 | 5/8 | 26,2 | 1.03 | 350 | 5100 | 1400 | 20400 | 200 | 7.9 | 0,98 | 0.66 | T7000 | |
| H1212S | 19 -12 | 19,1 | 3/4 | 30,0 | 1.18 | 350 | 5100 | 1400 | 20400 | 240 | 9.5 | 1,21 | 0.81 | T7000 | |
| H1216S | 25 -16 | 25,4 | 1 | 37,4 | 1.47 | 350 | 5100 | 1400 | 20400 | 300 | 11.8 | 1,84 | 1.24 | T7000 | |
| H1220S | 31 -20 | 31,8 | 1.1/4 | 45,7 | 1.80 | 275 | 4000 | 1100 | 16000 | 400 | 15.8 | 2,34 | 1.57 | T7000 | |
| H1224S | 38 -24 | 38,1 | 1.1/2 | 53,0 | 2.09 | 255 | 3700 | 1020 | 14800 | 500 | 19.7 | 3,04 | 2.04 | T7000 | |
| H1232S | 51 -32 | 50,8 | 2 | 66,0 | 2.60 | 210 | 3050 | 840 | 12400 | 600 | 23.6 | 4,23 | 2.84 | T7000 | |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

R4SPD

EXTRA HIGH PRESSURE
FOUR SPIRAL HOSE



INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

RECOMMENDED FOR:

Extra high pressure hydraulic oil lines.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of:
EN 856 Type 4SP, ISO 3862 Type 4SP.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Four alternating layers of spiralled high tensile steel wire.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Extra thin cover suitable for non-skive and skive couplings. Highly visible layline branding for easy and permanent identification. No skiving required with T7000 Series Crimp Couplings.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA, KR & MA-KA.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T7000 Series (sizes -06 to -16) pages 274 to 304.
Assembly Instructions pages 480.

| R4SPD - DIEHARD SPIRAL HOSE | | | | | | | | | | | | | | | |
|-----------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|-----------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| R4SP08D | 12 | -08 | 12,7 | 1/2 | 23,5 | 0.93 | 420 | 6100 | 1680 | 24400 | 230 | 9.1 | 0,86 | 0.58 | T7000 |
| R4SP10D | 16 | -10 | 15,9 | 5/8 | 27,0 | 1.06 | 380 | 5500 | 1520 | 22000 | 250 | 9.9 | 1,10 | 0.74 | T7000 |
| R4SP12D | 19 | -12 | 19,1 | 3/4 | 31,0 | 1.22 | 380 | 5500 | 1520 | 22000 | 300 | 11.8 | 1,47 | 0.99 | T7000 |
| R4SP16D | 25 | -16 | 25,4 | 1 | 37,8 | 1.49 | 350 | 5100 | 1400 | 20400 | 340 | 13.4 | 1,95 | 1.31 | T7000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

SPIRAL

R4SHD

EXTRA HIGH PRESSURE
FOUR SPIRAL HOSE



RECOMMENDED FOR:

Extra high pressure hydraulic oil lines.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of:
EN 856 Type 4SH, ISO 3862 Type 4SH.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Four alternating layers of spiralled high tensile steel wire.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Extra thin cover suitable for non-skive and skive couplings. Highly visible layline branding for easy and permanent identification. No skiving required with T6000 and T7000 Series Crimp Couplings.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA, KR & MA-KA.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T6000 SERIES (size -12) pages 252 to 273.

T7000 Series (sizes -16 to -32) pages 274 to 304.
Assembly Instructions pages 480.

| R4SHD - DIEHARD SPIRAL HOSE | | | | | | | | | | | | | | | |
|-----------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|------------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| R4SH12D | 19 | -12 | 19,1 | 3/4 | 31,8 | 1.25 | 420 | 6100 | 1680 | 24400 | 280 | 11.0 | 1,47 | 0.99 | T6000 |
| R4SH16D | 25 | -16 | 25,4 | 1 | 37,9 | 1.49 | 380 | 5500 | 1520 | 22000 | 340 | 13.4 | 1,97 | 1.32 | T7000 |
| R4SH20D | 31 | -20 | 31,8 | 1.1/4 | 44,4 | 1.75 | 350 | 5100 | 1400 | 20400 | 460 | 18.1 | 2,44 | 1.64 | T7000 |
| R4SH24D | 38 | -24 | 38,1 | 1.1/2 | 51,8 | 2.04 | 300 | 4350 | 1200 | 17400 | 560 | 22.1 | 3,13 | 2.10 | T7000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

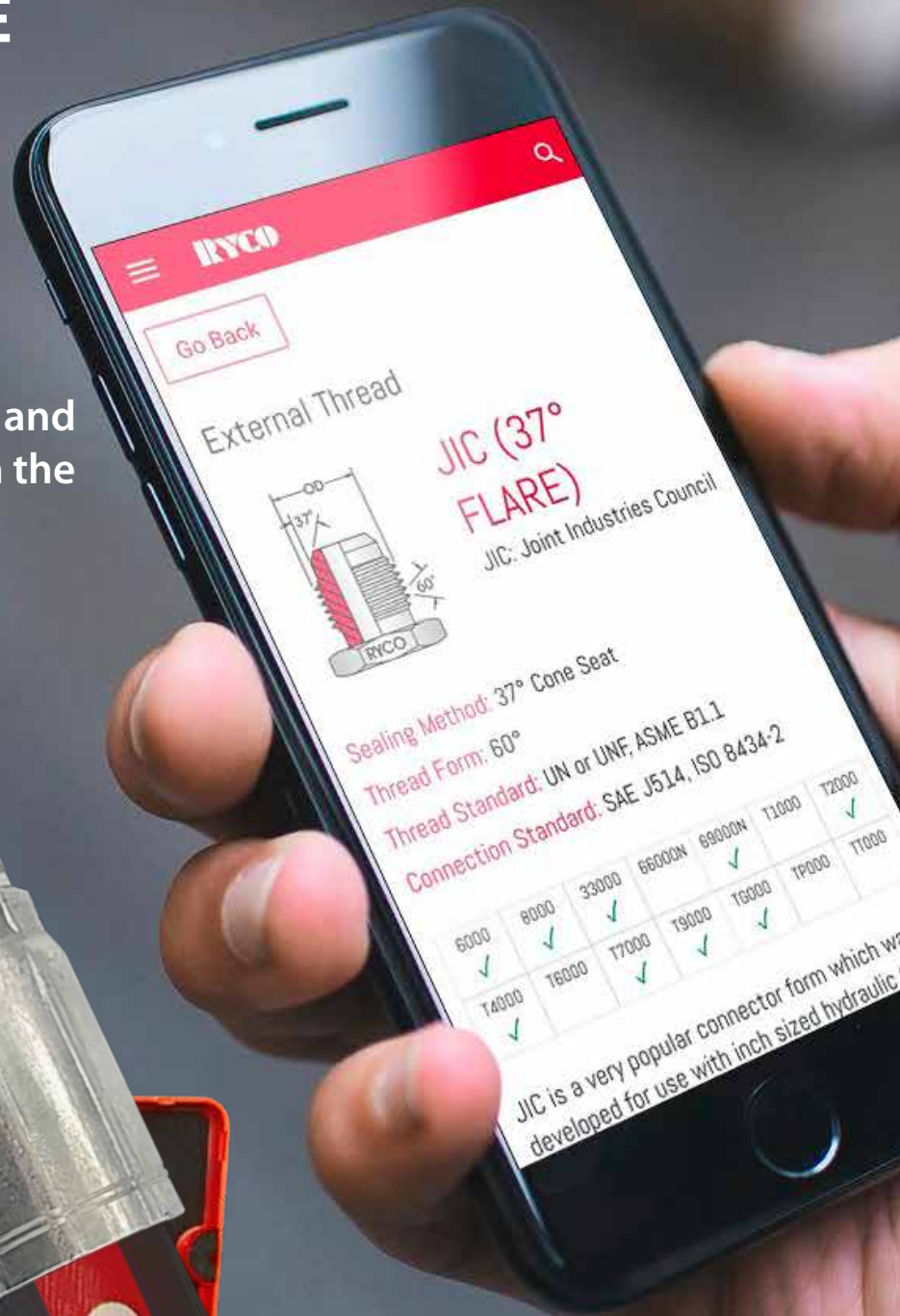
RYCO

THREAD ID MATE

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Identify hydraulic threads and connectors on the go with the **RYCO Thread ID Mate** application.



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www.RYCO.com.au

HOSE

SPECIALTY AND HIGH TEMPERATURE

TJ2D

EXTRA ABRASION RESISTANT
FRAS
JACK HOSE
TWO WIRE BRAID



RECOMMENDED FOR:

Hydraulic Jack applications requiring a light weight, small outside diameter hose. The very high abrasion resistant properties of the DIEHARD cover extend the life of the hose when it is subjected to the abrasion that may cause the premature failure of standard hoses.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: Materials Handling Institute specification IJ 100 (July 1979) for hydraulic hose and assemblies used with jacking systems.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Two braids of high tensile steel wire.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Highly visible layline branding for easy and permanent identification. No skiving required with T2000 Series Crimp Couplings.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

From -40°C to +49°C (-40°F to +120°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Specification IJ 100 (July 1979) is based on 2:1 minimum burst to maximum working pressure safety factor and is suitable for 700 bar/10,000 psi use in hydraulic jack applications ONLY.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -06) pages 189 to 234.
Assembly Instructions pages 480.

| TJ2D - DIEHARD JACK HOSE | | | | | | | | | | | | | | | |
|--------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|------|----------------|-------|-----------------|--------------------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES | |
| | | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | ONE PIECE | |
| TJ24D | 6 | -04 | 6,6 | 1/4 | 14.9 | 0.59 | 700 | 10000 | 1400 | 20000 | 100 | 3.9 | 0.35 | 0.24 | NON-SKIVE T2000 |
| TJ26D | 10 | -06 | 9,8 | 3/8 | 18.9 | 0.74 | 700 | 10000 | 1400 | 20000 | 130 | 5.0 | 0.51 | 0.34 | T2000 |

NOTE: Ensure rated Working Pressure of chosen End Style meets or exceeds the 700 bar/10,000 psi Maximum Working Pressure of TJ2D hose.

For hydraulic jack applications, RYCO recommends the use of 3/8" NPTF Male Extended Couplings.

TJ24D: Part No. T2091-0406 One-Piece Crimp. Use of RYCO 750 Spring Guards at each end of the hose assembly is also recommended.

TJ26D: Part No. T2091-0606 One-Piece Crimp. Use of a Bend Restrictor device at each end of the hose assembly is also recommended.

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

JACK HOSE ASSEMBLIES

For ease of ordering, Hose Assemblies can be specified using TJ24 and TJ26 numbers below, followed by overall length in millimetres.

For example, to order a TJ24D Hose Assembly, 1800 mm overall length, with 3/8" NPTF male one end and male Screw-On coupling other end, with Spring Guards at each end; simply order TJ2402-1800.

Standard lengths are 1000 mm, 2000 mm and 3000 mm. Other lengths are available.

JACK HOSE ASSEMBLIES (HOSE ENDS INCLUDE RYCO 750 SPRING GUARD)**

| HOSE ASSEMBLY No. | HOSE END 1 | HOSE END 2 |
|------------------------------|----------------|--|
| TJ2401-xxxx* TJ2601-xxxx* | 3/8" NPTF Male | 3/8" NPTF Male |
| TJ2402-xxxx* TJ2602-xxxx* | 3/8" NPTF Male | R100-06M Male Tip |
| TJ2403-xxxx* TJ2603-xxxx* | 3/8" NPTF Male | R100-06M Male Tip and R100-06DC Dust Cap |
| TJ2404-xxxx* TJ2604-xxxx* | 3/8" NPTF Male | R100-06FM Male and Female Coupling |
| TJ2405-xxxx* TJ2605-xxxx* | 3/8" NPTF Male | R100-06FMPC Male and Female Coupling with Dust Cap and Dust Plug |

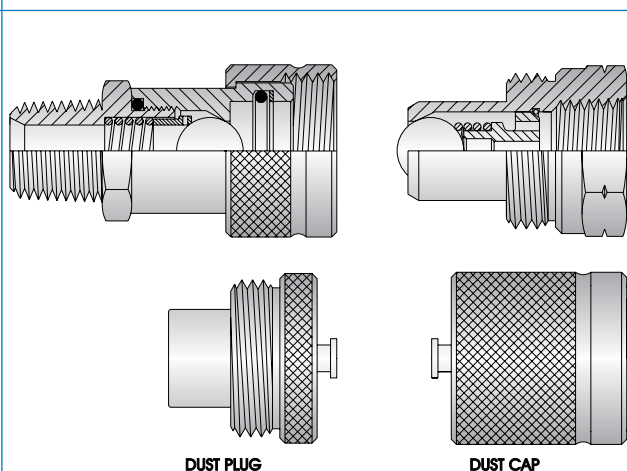
* Substitute xxxx for overall length (mm)

** RYCO 750 Spring Guard is only available to suit TJ24D hose assemblies.



TJ2402 shown

R100 SERIES QUICK RELEASE COUPLINGS, 700 BAR/10,000 PSI, THREAD-TO-CONNECT.



- Designed for use in heavy duty applications on portable cylinders, rams and pumps, where low flow rates and pressures up to 700 bar/10,000 psi are involved.
- Threaded sleeve on female body engages thread on male tip. When the sleeve is screwed completely up, the two coupling halves are secured together. Can connect and disconnect with pressure in line.
- Precision ball type check valves.
- Threaded dust caps and plugs complete with captive chain are available.
- Female body is NPTF male threaded to screw directly into the cylinder or ram.
- Male tip is NPTF female threaded to screw onto hose coupling.

| NOMINAL SIZE | NPTF THREAD | MAXIMUM WORKING PRESSURE | | FEMALE BODY | MALE TIP | COMPLETE COUPLING | DUST PLUG FOR MALE | DUST PLUG FOR FEMALE |
|--------------|-------------|--------------------------|-------|-------------|----------|-------------------|--------------------|----------------------|
| | | bar | psi | | | | | |
| 1/4 | 1/4 | 700 | 10000 | R100-04F | R100-04M | R100-04FM | R100-06DP | R100-06DC |
| 3/8 | 3/8 | 700 | 10000 | R100-06F | R100-06M | R100-06FM | R100-06DP | R100-06DC |

For further information refer to Quick Release Couplings (QRC) Brochure on www.RYCO.com.au.

HOSE

SPECIALTY AND HIGH TEMPERATURE

D4000D

EXTRA ABRASION RESISTANT
HIGH PRESSURE
FRAS
ULTRA FLEXIBLE MULTI-SPIRAL
HOSE FOR DRIFTER UNITS



RECOMMENDED FOR:

High pressure hydraulic oil lines and Jumbo drill rig drifter (rock drill) units. The ultra flexible and tough construction improves service life in applications where the outside cover of the hose is subject to bending, abrasion and rockfall that may cause premature failure of standard hoses.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: ISO 18752-CC, AS 3791 100R12, EN 856 Type R12, ISO 3862 Type R12 & SAE 100R12.

Very small Minimum Bend Radius of up to 60% less than SAE 100R12.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Four alternating layers of spiralled high tensile steel wire.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. Embossed layline for positive, permanent identification. No skiving required with T7000 Series Crimp Couplings.

FEATURES:

The ultra flexibility combined with very high abrasion resistant properties of the hose cover provides the necessary attributes for drifter (rock drill) unit assemblies. Combined with the extra high working pressures and excellent impulse life, D4000D DRIFTER provides increased service life and minimises Jumbo equipment downtime.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

From -40°C to +121°C (-40°F to +250°F).

For water, emulsions etc. page 58

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T7000 Series (sizes -08 to -16).

Assembly Instructions as per RYCO Product Technical Manual - Hydraulics pages 478.

| D4000D - DRIFTER SPIRAL HOSE | | | | | | | | | | | | | | | |
|------------------------------|-----------|-----------------|------|-----------------|------|--------------------------|------|------------------------|-------|---------------------|------|----------------|-------|---------------------------|--|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES | |
| | | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | ONE PIECE | |
| D4008D | 12 -08 | 13,0 | 1/2 | 21,9 | 0.86 | 280 | 4100 | 1120 | 16400 | 85 | 3.3 | 0,63 | 0.42 | NON-SKIVE T7000 | |
| D4012D | 19 -12 | 19,3 | 3/4 | 28,8 | 1.13 | 280 | 4100 | 1120 | 16400 | 85 | 3.3 | 0,98 | 0.66 | T7000 | |
| D4016D | 25 -16 | 25,8 | 1 | 35,6 | 1.40 | 280 | 4100 | 1120 | 16400 | 120 | 4.7 | 1,51 | 1.01 | T7000 | |

RQP1

HIGH TEMPERATURE
MULTI FLUID
ONE WIRE BRAID HOSE

RECOMMENDED FOR:

High pressure hydraulic oil applications where pressure or temperature requirements exceed the performance requirements of SAE 100R1AT and DIN 20022-1SN. May be used with compressed air if cover of hose is perforated (pin-pricked) and additional Safety Devices are used.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R1AT, DIN 20022-1SN, EN 853 Type 1SN, ISO 1436 Types R1AT & 1SN, SAE 100R1AT.

TUBE:

Black, synthetic rubber, specifically compounded for temperature resistance and multi fluid resistance.

REINFORCEMENT:

One braid of high tensile steel wire.

COVER:

SURVIVOR, blue, oil resistant and abrasion resistant synthetic rubber.

No skiving required with T2000 Series Crimp Couplings and K000 Series Field Attachable Couplings*.

MSHA - FLAME RESISTANCE:

Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration. Complies with Flame Resistant requirements of Australian Standard AS 2660 and Method of Test AS 1180.10B.

TEMPERATURE RANGE:

From -40°C to +150°C (-40°F to +302°F).

For water, water/oil emulsions, diesel fuels, glycol, see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -16) pages 189 to 234. Assembly Instructions pages 480.

FIELD ATTACHABLE NON-SKIVE*

6000 SERIES insert (sizes -04 to -16) pages 252 to 273.

K000 Series ferrule (sizes -04 to -16) page 355.

Assembly Instructions page 478.

| RQP1 - SURVIVOR NON-SKIVE HOSE | | | | | | | | | | | | | | | | |
|-----------------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|-----|----------------|------|-----------|-----------|-------------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | ONE PIECE | FIELD ATT | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE | |
| RQP14 | 6 | -04 | 6,6 | 1/4 | 13,4 | 0.53 | 225 | 3250 | 900 | 13000 | 100 | 4.0 | 0,24 | 0.16 | T2000 | 6000 (K000) |
| RQP15 | 8 | -05 | 8,2 | 5/16 | 15,0 | 0.59 | 215 | 3120 | 860 | 12500 | 114 | 4.5 | 0,27 | 0.18 | T2000 | |
| RQP16 | 10 | -06 | 9,8 | 3/8 | 17,4 | 0.69 | 180 | 2600 | 720 | 10400 | 125 | 5.0 | 0,34 | 0.23 | T2000 | 6000 (K000) |
| RQP18 | 12 | -08 | 13,0 | 1/2 | 20,5 | 0.81 | 160 | 2300 | 640 | 9300 | 178 | 7.0 | 0,44 | 0.30 | T2000 | 6000 (K000) |
| RQP110 | 16 | -10 | 16,2 | 5/8 | 23,7 | 0.93 | 130 | 1880 | 520 | 7540 | 200 | 8.0 | 0,51 | 0.34 | T2000 | 6000 (K000) |
| RQP112 | 19 | -12 | 19,1 | 3/4 | 27,6 | 1.09 | 120 | 1740 | 480 | 7000 | 240 | 9.5 | 0,64 | 0.43 | T2000 | 6000 (K000) |
| RQP116 | 25 | -16 | 25,4 | 1 | 35,7 | 1.41 | 90 | 1300 | 360 | 5200 | 300 | 12.0 | 0,98 | 0.66 | T2000 | 6000 (K000) |

* Field Attachable Couplings should not be used on RQP1 Hose at maximum working pressure when temperature exceeds 121°C (250°F). Field Attachable Couplings may be used on RQP1 Hose at over 121°C but at reduced working pressure. Contact RYCO for more information. Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

SPECIALTY AND HIGH TEMPERATURE

RQP2

HIGH TEMPERATURE
MULTI FLUID
TWO WIRE BRAID HOSE



RECOMMENDED FOR:

High pressure hydraulic oil applications where pressure or temperature requirements exceed the performance requirements of SAE 100R2AT, DIN 20022-2SN and EN 853 Type 2SN. May be used with compressed air if cover of hose is perforated (pin-pricked) and additional Safety Devices are used.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R2AT, DIN 20022-2SN, EN 853 Type 2SN, ISO 1436 Types R2AT & 2SN, SAE 100R2AT.

TUBE:

SURVIVOR, blue, synthetic rubber, specifically compounded for temperature resistance and multi fluid resistance.

REINFORCEMENT:

Two braids of high tensile steel wire.

COVER:

Blue, oil resistant and abrasion resistant synthetic rubber. No skiving required with T2000 & T7000 Series Crimp Couplings and L000 Series Field Attachable Couplings*.

MSHA - FLAME RESISTANCE:

Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety & Health Administration. Complies with Flame Resistant requirements of Australian Standard AS 2660 & Method of Test AS 1180.10B.

TEMPERATURE RANGE:

From -40°C to +150°C (-40°F to +302°F).
See page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -32) pages 189 to 234.

T7000 Series (sizes -06 to -32) pages 274 to 304.

Assembly Instructions pages 480.

FIELD ATTACHABLE NON-SKIVE*

6000 SERIES insert (sizes -04 to -20) pages 252 to 273.

L000 Series ferrule (sizes -04 to -20) page 355.

Assembly Instructions page 478.

| RQP2 - SURVIVOR NON-SKIVE HOSE | | | | | | | | | | | | | | | | | |
|-----------------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|-----|----------------|------|-----------|-----------|-------|-------------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | ONE PIECE | FIELD ATT | | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE | | |
| RQP24 | 6 | -04 | 6,6 | 1/4 | 15,0 | 0.59 | 400 | 5800 | 1600 | 23200 | 100 | 3.9 | 0,39 | 0.26 | T2000 | | 6000 (L000) |
| RQP25 | 8 | -05 | 8,2 | 5/16 | 16,6 | 0.65 | 350 | 5100 | 1400 | 20400 | 114 | 4.5 | 0,45 | 0.30 | T2000 | | |
| RQP26 | 10 | -06 | 9,8 | 3/8 | 19,0 | 0.75 | 350 | 5100 | 1400 | 20400 | 125 | 5.0 | 0,53 | 0.36 | T2000 | T7000 | 6000 (L000) |
| RQP28 | 12 | -08 | 13,0 | 1/2 | 22,0 | 0.87 | 300 | 4350 | 1200 | 17400 | 178 | 7.0 | 0,65 | 0.44 | T2000 | T7000 | 6000 (L000) |
| RQP210 | 16 | -10 | 16,2 | 5/8 | 25,2 | 0.99 | 250 | 3600 | 1000 | 14500 | 200 | 8.0 | 0,77 | 0.52 | T2000 | T7000 | 6000 (L000) |
| RQP212 | 19 | -12 | 19,1 | 3/4 | 29,1 | 1.15 | 215 | 3100 | 860 | 12400 | 240 | 9.5 | 0,93 | 0.62 | T2000 | T7000 | 6000 (L000) |
| RQP216 | 25 | -16 | 25,4 | 1 | 37,7 | 1.48 | 167 | 2400 | 670 | 9600 | 300 | 11.8 | 1,38 | 0.93 | T2000 | T7000 | 6000 (L000) |
| RQP220 | 31 | -20 | 31,8 | 1.1/4 | 48,0 | 1.89 | 150 | 2175 | 600 | 8700 | 420 | 16.5 | 2,03 | 1.36 | T2000 | T7000 | 6000 (L000) |
| RQP224 | 38 | -24 | 38,1 | 1.1/2 | 54,4 | 2.14 | 100 | 1450 | 400 | 5800 | 500 | 19.7 | 2,30 | 1.55 | T2000 | T7000 | |
| RQP232 | 51 | -32 | 50,8 | 2 | 67,3 | 2.65 | 90 | 1300 | 360 | 5200 | 600 | 23.6 | 3,16 | 2.12 | T2000 | T7000 | |

* Field Attachable Couplings should not be used on RQP2 Hose at maximum working pressure when temperature exceeds 121°C (250°F). Field Attachable Couplings may be used on RQP2 Hose at over 121°C but at reduced working pressure. Contact RYCO Hydraulics for more information. Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

RQP5

HIGH TEMPERATURE
POLYESTER BRAID COVER
ONE WIRE BRAID HOSE



INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

RECOMMENDED FOR:

Medium to high pressure hydraulic oil applications. The small bend radius, temperature resistance and light weight of RYCO RQP5 hose make it suitable for under the bonnet automotive/trucking applications including hydraulic oil, diesel fuel, lubrication oil and transmission oil coolers. Sizes RQP54 to RQP512 also comply with SAE J1402 Type All "Automotive Air Brake Hose" for use in truck "air brake systems including flexible connections from frame to axle, tractor to trailer, trailer to trailer, and other unshielded air lines that are exposed to potential pull or impact". RQP5 may be used with compressed air if maximum working pressure is reduced by 30%. RQP5 hose is normally used where there is minimal abrasion to the outside cover. If abrasion is likely, support the hose away from the source of abrasion using mounting clamps, or protect with RWA Wire Armour or RSG Spiral Guard. RQP5 is a reduced bore hose. It has a similar Inside Diameter to steel or copper tubing of the same nominal (Outside Diameter) size. See page 342 for Branding Information.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R5, SAE 100R5, SAE J1402 Type All (up to -12 size).

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Polyester inner braid covered with one braid of high tensile steel wire.

COVER:

Blue polyester textile braid. Skiving of cover is not required.

MSHA - FLAME RESISTANCE:

Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration and Flame Resistant requirements of Australian Standard AS 2660 and Method of Test AS 1180.10B when used with FS1072 Fire Sleeve.

TEMPERATURE RANGE:

From -40°C to +150°C (-40°F to +302°F).
See page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, DOT, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T4000 Series (Sizes -04 to -20) pages 235 to 251.
Assembly Instructions pages 480.

FIELD ATTACHABLE NON-SKIVE

V000 Series (sizes -04 to -32) pages 343 to 354.
Assembly Instructions page 478.

| RQP5 - SURVIVOR POLYESTER COVER HOSE | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|-------------------------|-----|-------------------------|-----|---------------|------|----------------|------|--------|-----------|------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND R SAE100R5 | | MINIMUM BEND R SAEJ1402 | | VACUUM RATING | | AVERAGE WEIGHT | | ONE PC | FIELD | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | mm | inch | inHg | mmHg | kg/m | lb/ft | NON-SKIVE | |
| RQP54 | 5 | -04 | 4,8 | 3/16 | 13,2 | 0.52 | 210 | 3050 | 840 | 12200 | 75 | 3.0 | 51 | 2.0 | 710 | 28 | 0,23 | 0.15 | T4000 | V000 |
| RQP55 | 6 | -05 | 6,4 | 1/4 | 14,8 | 0.58 | 210 | 3050 | 840 | 12200 | 85 | 3.3 | 64 | 2.5 | 710 | 28 | 0,26 | 0.17 | T4000 | V000 |
| RQP56 | 8 | -06 | 7,9 | 5/16 | 17,2 | 0.68 | 157 | 2250 | 628 | 9000 | 100 | 4.0 | 76 | 3.0 | 710 | 28 | 0,30 | 0.20 | T4000 | V000 |
| RQP58 | 10 | -08 | 10,3 | 13/32 | 19,4 | 0.76 | 140 | 2000 | 560 | 8000 | 115 | 4.6 | 89 | 3.5 | 710 | 28 | 0,36 | 0.24 | T4000 | V000 |
| RQP510 | 12 | -10 | 12,7 | 1/2 | 23,4 | 0.92 | 122 | 1750 | 488 | 7000 | 140 | 5.5 | 102 | 4.0 | 710 | 28 | 0,53 | 0.36 | T4000 | V000 |
| RQP512 | 16 | -12 | 15,9 | 5/8 | 27,4 | 1.08 | 105 | 1500 | 420 | 6000 | 165 | 6.5 | 114 | 4.5 | 710 | 28 | 0,65 | 0.44 | T4000 | V000 |
| RQP516 | 22 | -16 | 22,2 | 7/8 | 31,4 | 1.24 | 56 | 800 | 224 | 3200 | 185 | 7.4 | | | 510 | 20 | 0,63 | 0.42 | T4000 | V000 |
| RQP520 | 28 | -20 | 28,6 | 1.1/8 | 38,1 | 1.50 | 43 | 625 | 172 | 2500 | 230 | 9.0 | | | 510 | 20 | 0,90 | 0.60 | T4000 | V000 |
| RQP524 | 35 | -24 | 34,9 | 1.3/8 | 44,5 | 1.75 | 35 | 500 | 140 | 2000 | 265 | 10.5 | | | 380 | 15 | 1,00 | 0.67 | T4000 | V000 |
| RQP532 | 46 | -32 | 46,0 | 1.13/16 | 56,3 | 2.22 | 24 | 350 | 98 | 1400 | 335 | 13.3 | | | 280 | 11 | 1,48 | 0.99 | T4000 | V000 |

***IMPORTANT NOTE:** MAXIMUM WORKING PRESSURE and MINIMUM BURST PRESSURE shown above relate to SAE 100R5 specification and hose used in non Air Brake applications. For Air Brake applications, SAE J1402 Type All Air Brake Hose specification requires Minimum Burst Pressure 900 psi (62,1 bar) and Proof Pressure of 300 psi (20,7 bar) for all sizes, and reduced Minimum Bend Radii as shown below. RQP54 to RQP512 comply with SAE J1402 Minimum Bend Radius at SAE J1402 pressures, and SAE 100R5 Minimum Bend Radius at SAE 100R5 working pressures. Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

SPECIALTY AND HIGH TEMPERATURE

RQP6 HIGH TEMPERATURE ONE TEXTILE BRAID HOSE



RECOMMENDED FOR:

Hydraulic oil lines, transmission oil cooler lines, glycol antifreeze solutions, water, diesel fuels and air.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R6, DIN 20021-1TE, ISO 4079 Type 1, SAE 100R6.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One textile braid.

COVER:

Blue, oil resistant and abrasion resistant synthetic rubber.

MSHA - FLAME RESISTANCE:

Meets Flame Resistance Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration. Complies with Flame Resistant requirement of Australian Standard AS 2660 and Method of Test AS 1180.10B.

TEMPERATURE RANGE:

Petroleum base hydraulic oils & transmission oils:

-40°C to +135°C (-40°F to +275°F) constant, and up to +150°C (+302°F) intermittent (up to 10% of operating time).

Air: -40°C to +100°C (-40°F to +212°F)

Diesel fuels: -40°C to +71°C (-40°F to +160°F).

For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

RQP6 Hose, and 8000 Series Push-On Fittings, are recommended for use in systems with Static Working Pressures (constant loads without pressure spikes) only. They are not recommended for vibration or pressure surge applications. RQP6 Hose should not be used at both maximum working pressure and maximum temperature simultaneously.









COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T4000 Series (Sizes -04 to -12) pages 235 to 251. Assembly Instructions pages 480.

8000 SERIES PUSH-ON

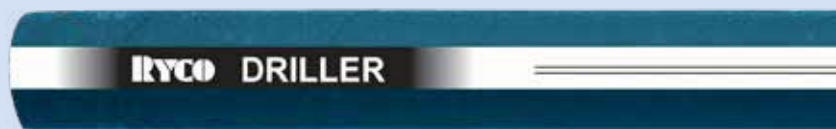
RQP6 Hose simply pushes on to 8000 Series Couplings, and for Static Working Pressures up to 50% of Maximum Static Working Pressures a clamp is not required. For diesel fuel and other potentially dangerous, or critical applications such as transmission oil cooler lines, and for Static Working Pressures above 50% of maximum; a clamp around the hose is required. Do not overtighten clamp as this will damage hose. Factory crimped couplings are also available in some sizes.

| RQP6 - SURVIVOR HIGH TEMPERATURE PUSH ON HOSE | |  | |  | |  | |  | |  | |  | |  | |  | | |
|---|-----------|---|------|---|------|---|-----|---|-----|---|------|---|------|---|-------|---|---------|------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | VACUUM RATING | | AVERAGE WEIGHT | | COUPLING SERIES | | |
| | | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | inHg | mmHg | kg/m | lb/ft | ONE PC | PUSH ON | |
| RQP64 | 6 | -04 | 6,6 | 1/4 | 12,3 | 0.48 | 28 | 410 | 112 | 1640 | 65 | 2.5 | 710 | 28 | 0,12 | 0.08 | T4000 | 8000 |
| RQP65 | 8 | -05 | 8,2 | 5/16 | 13,9 | 0.55 | 28 | 410 | 112 | 1640 | 75 | 3.0 | 710 | 28 | 0,14 | 0.09 | T4000 | 8000 |
| RQP66 | 10 | -06 | 9,8 | 3/8 | 15,5 | 0.61 | 28 | 410 | 112 | 1640 | 75 | 3.0 | 635 | 25 | 0,17 | 0.11 | T4000 | 8000 |
| RQP68 | 12 | -08 | 13,0 | 1/2 | 19,0 | 0.75 | 28 | 410 | 112 | 1640 | 100 | 4.0 | 460 | 18 | 0,22 | 0.15 | T4000 | 8000 |
| RQP610 | 16 | -10 | 16,2 | 5/8 | 22,6 | 0.89 | 24 | 350 | 96 | 1400 | 125 | 5.0 | 380 | 15 | 0,29 | 0.19 | T4000 | 8000 |
| RQP612 | 20 | -12 | 19,1 | 3/4 | 25,8 | 1.02 | 21 | 305 | 84 | 1220 | 150 | 6.0 | 380 | 15 | 0,34 | 0.23 | T4000 | 8000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

D2B

DRILLER
HIGH TEMPERATURE
DRILL RIG HOSE



RECOMMENDED FOR:

Hydraulic oil or air lines. Drill rigs - high pressure, large bore air hose.

PERFORMANCE:
SAE 100R16 (SIZE -20).

TUBE:
Black, oil resistant synthetic rubber specifically compounded for temperature resistance.

REINFORCEMENT:
Two braids of high tensile steel wire.

COVER:
Perforated blue, oil and abrasion resistant synthetic rubber. No skiving required with T2000 & T7000 Series Crimp Couplings.

MSHA - FLAME RESISTANCE:

Complies with Flame Resistant requirements of Australian Standard AS 2660 and Method of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

Air: -40°C to +121°C (-40°F to +250°F)
Oil: -40°C to +135°C (-40°F to +275°F)

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -20 to -32) pages 189 to 234.

T7000 Series (sizes -24 to -32) pages 274 to 304.

Assembly Instructions pages 480.

Not suitable for use with field attachable couplings. Refer to Product Technical Manual - Hydraulics for assembly instructions.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

| D2B - DRILLER HOSE | | | | | | | | | | | | | | | | |
|--------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|-----|----------------|------|---------------------------|-----------|-------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE | |
| D220B | 31 | -20 | 31,8 | 1.1/4 | 40,4 | 1.59 | 140 | 2030 | 560 | 8120 | 200 | 7.9 | 1,22 | 0.82 | T2000 | |
| D224B | 38 | -24 | 38,1 | 1.1/2 | 48,0 | 1.89 | 100 | 1450 | 400 | 5800 | 250 | 9.8 | 1,49 | 1.00 | T2000 | T7000 |
| D232B | 51 | -32 | 50,8 | 2 | 62,0 | 2.44 | 90 | 1300 | 360 | 5200 | 300 | 11.8 | 2,24 | 1.50 | T2000 | T7000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

SPECIALTY AND HIGH TEMPERATURE

T5

POLYESTER BRAID COVER
ONE WIRE BRAID HOSE



RECOMMENDED FOR:

Medium to high pressure hydraulic oil applications. The small bend radius, temperature resistance and light weight of RYCO T5 hose make it suitable for under the bonnet automotive/trucking applications including hydraulic oil, diesel fuel, lubrication oil and transmission oil coolers. Sizes T54 to T512 also comply with SAE J1402 Type All "Automotive Air Brake Hose" for use in truck "air brake systems including flexible connections from frame to axle, tractor to trailer, trailer to trailer, and other unshielded air lines that are exposed to potential pull or impact". T5 may be used with compressed air if maximum working pressure is reduced by 30%. T5 hose is normally used where there is minimal abrasion to the outside cover. If abrasion is likely, support the hose away from the source of abrasion using mounting clamps, or protect with RWA Wire Armour or RSG Spiral Guard. T5 is a reduced bore hose. It has a similar Inside Diameter to steel or copper tubing of the same nominal (outside diameter) size. See page 153 for more information.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R5, SAE 100R5, SAE J1402 Type All (up to -12 size).

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Polyester inner braid covered with one braid of high tensile steel wire.

COVER:

Black polyester braid. Skiving of cover is not required.

MSHA - FLAME RESISTANCE:

Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration and Flame Resistant requirements of Australian Standard AS 2660 and Method of Test AS 1180.10B when used with FS1072 Fire Sleeve.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, DOT, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T4000 Series (Sizes -04 to -20) pages 235 to 251.
Assembly Instructions pages 480.

FIELD ATTACHABLE NON-SKIVE

V000 Series (sizes -04 to -32) pages 343 to 354.
Assembly Instructions page 478.

| T5 - TRUCKER POLYESTER COVER HOSE | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|-------------------------|-----|-------------------------|-----|---------------|------|----------------|------|--------|------------|------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND R SAE100R5 | | MINIMUM BEND R SAEJ1402 | | VACUUM RATING | | AVERAGE WEIGHT | | ONE PC | FIELD ATT | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | mm | inch | inHg | mmHg | kg/m | lb/ft | NON- SKIVE | |
| T54 | 5 | -04 | 4,8 | 3/16 | 13,2 | 0.52 | 210 | 3050 | 840 | 12200 | 75 | 3.0 | 51 | 2.0 | 710 | 28 | 0,23 | 0.15 | T4000 | V000 |
| T55 | 6 | -05 | 6,4 | 1/4 | 14,8 | 0.58 | 210 | 3050 | 840 | 12200 | 85 | 3.3 | 64 | 2.5 | 710 | 28 | 0,26 | 0.17 | T4000 | V000 |
| T56 | 8 | -06 | 7,9 | 5/16 | 17,2 | 0.68 | 157 | 2250 | 628 | 9000 | 100 | 4.0 | 76 | 3.0 | 710 | 28 | 0,30 | 0.20 | T4000 | V000 |
| T58 | 10 | -08 | 10,3 | 13/32 | 19,4 | 0.76 | 140 | 2000 | 560 | 8000 | 115 | 4.6 | 89 | 3.5 | 710 | 28 | 0,36 | 0.24 | T4000 | V000 |
| T510 | 12 | -10 | 12,7 | 1/2 | 23,4 | 0.92 | 122 | 1750 | 488 | 7000 | 140 | 5.5 | 102 | 4.0 | 710 | 28 | 0,53 | 0.36 | T4000 | V000 |
| T512 | 16 | -12 | 15,9 | 5/8 | 27,4 | 1.08 | 105 | 1500 | 420 | 6000 | 165 | 6.5 | 114 | 4.5 | 710 | 28 | 0,65 | 0.44 | T4000 | V000 |
| T516 | 22 | -16 | 22,2 | 7/8 | 31,4 | 1.24 | 56 | 800 | 224 | 3200 | 187 | 7.4 | | | 510 | 20 | 0,63 | 0.42 | T4000 | V000 |
| T520 | 28 | -20 | 28,6 | 1.1/8 | 38,1 | 1.50 | 43 | 625 | 172 | 2500 | 229 | 9.0 | | | 510 | 20 | 0,90 | 0.60 | T4000 | V000 |
| T524 | 35 | -24 | 34,9 | 1.3/8 | 44,5 | 1.75 | 35 | 500 | 140 | 2000 | 267 | 10.5 | | | 380 | 15 | 1,00 | 0.67 | T4000 | V000 |
| T532 | 46 | -32 | 46,0 | 1.13/16 | 56,3 | 2.22 | 24 | 350 | 96 | 1400 | 337 | 13.3 | | | 280 | 11 | 1,48 | 0.99 | T4000 | V000 |

***IMPORTANT NOTE:** MAXIMUM WORKING PRESSURE and MINIMUM BURST PRESSURE shown above relate to SAE 100R5 specification and hose used in non Air Brake applications. For Air Brake applications, SAE J1402 Type All Air Brake Hose specification requires Minimum Burst Pressure 900 psi (62,1 bar) and Proof Pressure of 300 psi (20,7 bar) for all sizes, and reduced Minimum Bend Radii as shown below. T54 to T512 comply with SAE J1402 Minimum Bend Radius at SAE J1402 pressures, and SAE 100R5 Minimum Bend Radius at SAE 100R5 working pressures. Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

MS1000

MINESPRAY



INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

RECOMMENDED FOR:

Water and air spray suited for dust control in all industrial and mining applications.

TUBE:

Black, oil resistant synthetic rubber.

Cover is perforated (pin-pricked).

REINFORCEMENT:

One braid of high tensile steel wire.

COVER:

Yellow, oil resistant and abrasion resistant synthetic rubber.

No skiving required with T2000 Series Crimp Couplings.

MSHA - FLAME RESISTANCE:

Complies with Flame Resistant requirements of Australian Standard AS 2660 and Method of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:
NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -08 to -32) pages 189 to 234.

Assembly Instructions pages 480.

| MS1000 - MINESPRAY HOSE | | | | | | | | | | | | | | | |
|-------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|-----|----------------|------|---------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| MS1008 | 12 | -08 | 13,0 | 1/2 | 18,5 | 0.73 | 70 | 1000 | 280 | 4000 | 90 | 3.6 | 0,29 | 0.19 | T2000 |
| MS1010 | 16 | -10 | 16,2 | 5/8 | 22,1 | 0.87 | 70 | 1000 | 280 | 4000 | 100 | 3.9 | 0,35 | 0.24 | T2000 |
| MS1012 | 19 | -12 | 19,1 | 3/4 | 25,8 | 1.02 | 70 | 1000 | 280 | 4000 | 120 | 4.7 | 0,40 | 0.27 | T2000 |
| MS1016 | 25 | -16 | 25,4 | 1 | 32,5 | 1.28 | 70 | 1000 | 280 | 4000 | 150 | 5.9 | 0,62 | 0.42 | T2000 |
| MS1020 | 31 | -20 | 31,8 | 1.1/4 | 39,5 | 1.56 | 70 | 1000 | 280 | 4000 | 210 | 8.3 | 0,75 | 0.50 | T2000 |
| MS1024 | 38 | -24 | 38,1 | 1.1/2 | 46,0 | 1.81 | 70 | 1000 | 280 | 4000 | 250 | 9.9 | 1,00 | 0.67 | T2000 |
| MS1032 | 51 | -32 | 50,8 | 2 | 59,1 | 2.33 | 70 | 1000 | 280 | 4000 | 300 | 11.8 | 1,42 | 0.95 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

SPECIALTY AND HIGH TEMPERATURE

CS1000 COALSPRAY



RECOMMENDED FOR:

Water and air spray suited for dust control in all industrial and mining applications.

TUBE:

Black, oil resistant synthetic rubber.
Cover is perforated (pin-pricked).

REINFORCEMENT:

One braid of high tensile steel wire.

COVER:

Black, oil resistant and abrasion resistant synthetic rubber.
No skiving required with T2000 Series Crimp Couplings.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

Complies with Flame Resistant and Electrical Resistance (Anti-Static) requirements of Australian Standard AS 2660 and Methods of Test AS 1180.10B and 13A. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.








WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -32) pages 189 to 234.
For water, emulsions etc. see page 58.

| CS1000 - COALSPRAY HOSE | |  | |  | |  | |  | |  | |  | |  | |
|-------------------------|-----------|---|------|---|------|---|-----|---|-----|--|-----|---|------|---|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| CS1008 | 12 | -08 | 13,0 | 1/2 | 18,5 | 0.73 | 70 | 1000 | 280 | 4000 | 90 | 3.6 | 0,29 | 0.19 | T2000 |
| CS1010 | 16 | -10 | 16,2 | 5/8 | 22,1 | 0.87 | 70 | 1000 | 280 | 4000 | 100 | 3.9 | 0,35 | 0.24 | T2000 |
| CS1012 | 19 | -12 | 19,1 | 3/4 | 25,8 | 1.02 | 70 | 1000 | 280 | 4000 | 120 | 4.7 | 0,40 | 0.27 | T2000 |
| CS1016 | 25 | -16 | 25,4 | 1 | 32,5 | 1.28 | 70 | 1000 | 280 | 4000 | 150 | 5.9 | 0,62 | 0.42 | T2000 |
| CS1020 | 31 | -20 | 31,8 | 1.1/4 | 39,5 | 1.56 | 70 | 1000 | 280 | 4000 | 210 | 8.3 | 0,75 | 0.50 | T2000 |
| CS1024 | 38 | -24 | 38,1 | 1.1/2 | 46,0 | 1.81 | 70 | 1000 | 280 | 4000 | 250 | 9.9 | 1,00 | 0.67 | T2000 |
| CS1032 | 51 | -32 | 50,8 | 2 | 59,1 | 2.33 | 70 | 1000 | 280 | 4000 | 300 | 11.8 | 1,42 | 0.95 | T2000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.



BIOTRANS

TRANSPORTING OUR FUTURE

WIDE RANGE OF FLUIDS

MULTI PURPOSE HOSE



MSHA

HOSE

SPECIALTY AND HIGH TEMPERATURE

BT1

ONE WIRE BRAID HOSE



RECOMMENDED FOR:

Transportation, marine fuel and engine hose applications. Low pressure hydraulic oil return lines, general purpose water, glycol antifreeze solutions, biodiesel, diesel fuel, ethanol, gasoline/ petrol or air.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: SAE J1527 Type Class I, USCG SAE J1942, SAE J30R2 (non-marine). Meets SAE J30R2 performance requirements for non-marine applications and SAE J1527 Type Class I and USCG SAEJ1942 for marine applications.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One braid of high tensile steel wire.

COVER:

Blue, oil resistant and abrasion resistant synthetic rubber.

MSHA - FLAME RESISTANCE:

Complies with Flame Resistant requirements of Australian Standard AS 2660 and Method of Test AS 1180.10B. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

TEMPERATURE RANGE:

| MEDIA | TEMP °C | |
|---|---------|------|
| | MIN | MAX |
| Petroleum based hydraulic fluids | -40 | +135 |
| Water, water/oil emulsion and water/glycol hydraulic fluids | — | 80 |
| Engine oil, lubricating oils | -40 | 121 |
| Air | — | 70 |
| Diesel, JP8 | -20 | 100 |
| Biodiesel | -40 | 100 |
| Gasoline/petrol | -20 | 80 |
| Ethanol blends (15% max.ethanol) | -20 | 80 |

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, DOT, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

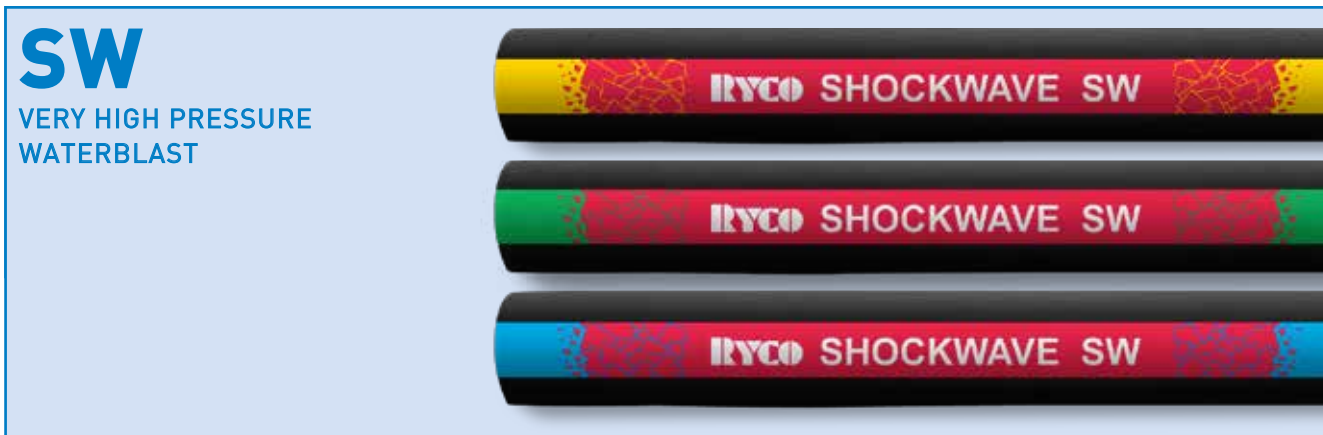
T2000 Series (sizes -04 to -16) pages 189 to 234.
Assembly Instructions pages 480.

FIELD ATTACHABLE NON-SKIVE

6000 SERIES insert (sizes -04 to -16) pages 252 to 273.
K000 Series ferrule (sizes -04 to -16) page 355.
Assembly Instructions page 478.

| BT1 - BIOTRANS HOSE | | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES | | |
|---------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|------|----------------|-------|-----------------|-----------|-------------|
| PART NO | HOSE SIZE | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | ONE PC | FIELD ATT | |
| BT14 | 6 | -04 | 6,6 | 1/4 | 13,3 | 0.52 | 50 | 725 | 200 | 2900 | 25 | 1.0 | 0,22 | 0.15 | T2000 | 6000 (K000) |
| BT15 | 8 | -05 | 8,2 | 5/16 | 14,9 | 0.59 | 50 | 725 | 200 | 2900 | 30 | 1.2 | 0,25 | 0.17 | T2000 | |
| BT16 | 10 | -06 | 9,8 | 3/8 | 17,3 | 0.68 | 50 | 725 | 200 | 2900 | 35 | 1.4 | 0,31 | 0.21 | T2000 | 6000 (K000) |
| BT18 | 12 | -08 | 13,0 | 1/2 | 20,3 | 0.80 | 50 | 725 | 200 | 2900 | 55 | 2.2 | 0,39 | 0.26 | T2000 | 6000 (K000) |
| BT110 | 16 | -10 | 16,2 | 5/8 | 23,6 | 0.93 | 50 | 725 | 200 | 2900 | 70 | 2.8 | 0,49 | 0.33 | T2000 | 6000 (K000) |
| BT112 | 19 | -12 | 19,1 | 3/4 | 27,6 | 1.09 | 50 | 725 | 200 | 2900 | 80 | 3.2 | 0,62 | 0.41 | T2000 | 6000 (K000) |
| BT116 | 25 | -16 | 25,4 | 1 | 35,5 | 1.40 | 50 | 725 | 200 | 2900 | 105 | 4.1 | 0,90 | 0.60 | T2000 | 6000 (K000) |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.



SW

VERY HIGH PRESSURE WATERBLAST

RECOMMENDED FOR:

Very High Pressure waterblast hose for the cleaning and preparation of marine surfaces, runway and swimming pool cleaning, and paint removal.

DO NOT USE with Steam.

TUBE:

Oil and water resistant synthetic rubber.

REINFORCEMENT:

Four alternating layers of spiralled high tensile steel wire.

COVER:

Oil, water and ozone resistant synthetic rubber. The cover is formulated to resist marking. Internal and External skiving required with TW4000 Series Interlok Crimp Couplings.

FEATURES:

Exceeds ISO 7751 performance requirements.
Meets specifications EN 1829-2 (impulse) and AS/NZS 4233.2.
Highly abrasion resistant cover.

TEMPERATURE RANGE:

Continuous service from -20°C to +80°C (-4°F to +176°F).
Intermittent service to +100°C (+212°F).

WORKING PRESSURE:

Maximum working pressures are based on 2.5:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

INTERLOK SKIVE ONE-PIECE CRIMP

TW4000 Series (Sizes -06 to -16) page 325.
Assembly Instructions page 481

A MEMBER OF

THE WATERJET TECHNOLOGY ASSOCIATION (WJTA) AND
INDUSTRIAL & MUNICIPAL CLEANING ASSOCIATION (IMCA)

THE AUSTRALASIAN HIGH PRESSURE WATER JETTING
ASSOCIATION

| SW SHOCKWAVE - VERY HIGH PRESSURE HOSE | | | | | | | | | | | | | | | | |
|--|---------|-----------|-----------------|------|-----------------|------|--------------------------|-------|------------------------|-------|---------------------|------|----------------|-------|--------------------|--|
| COLOUR CODE | PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | INTERLOK ONE-PIECE | |
| | Hose | DN Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | INT/EXT SKIVE | |
| | SW18006 | 10 -06 | 9,5 | 3/8 | 21,5 | 0.85 | 1250 | 18125 | 3125 | 45315 | 150 | 5.9 | 0,56 | 0.37 | TW4000 | |
| | SW16008 | 12 -08 | 12,7 | 1/2 | 24,6 | 0.97 | 1100 | 16000 | 2750 | 40000 | 180 | 7.1 | 0,83 | 0.56 | TW4000 | |
| | SW14512 | 19 -12 | 19,0 | 3/4 | 31,9 | 1.26 | 1000 | 14500 | 2500 | 36250 | 220 | 8.7 | 0,92 | 0.62 | TW4000 | |
| | SW10012 | 19 -12 | 19,0 | 3/4 | 30,6 | 1.21 | 700 | 10000 | 1750 | 25000 | 220 | 8.7 | 1,34 | 0.90 | TW4000 | |
| | SW10016 | 25 -16 | 25,4 | 1 | 37,6 | 1.48 | 700 | 10000 | 1750 | 25000 | 250 | 9.8 | 1,39 | 0.93 | TW4000 | |

Cutting and Assembly Charges apply to all RYCO hoses, and vary by hose types and sizes. Contact RYCO for additional information or visit www.RYCO.com.au

| WJTA-IMCA colour code recommendations: | |
|--|--------------------|
| | 20K Pressure Range |
| | 15K Pressure Range |
| | 10K Pressure Range |

HOSE

PRESSURE WASHER

JS4000/G

PRESSURE WASHER
280 BAR/4100 PSI



RECOMMENDED FOR:

Hot Water Pressure Washer Machines.

DO NOT USE with Steam.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of:
EN 1829-2.

TUBE:

Black, heat resistant synthetic rubber.

REINFORCEMENT:

One braid of high tensile steel wire.

COVER:

Oil resistant synthetic rubber formulated to resist marking.

JS4000, black, highly abrasion resistant (AR), non marking.

JS4000G, grey, animal fat resistant (AFR), non marking.

Embossed layline for positive, permanent identification.

No skiving required for T2000 Series Crimp Couplings.

TEMPERATURE RANGE:

JS4000/G JETSTORM Hoses handle hot water up to
+135°C (+275°F) with intermittent service to
+150°C (+302°F).

WORKING PRESSURE:

Maximum working pressures are based on 3:1 safety factor
(maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -08) pages 189 to 234.

Assembly Instructions pages 480.

A MEMBER OF

THE WATERJET TECHNOLOGY ASSOCIATION (WJTA) AND
INDUSTRIAL & MUNICIPAL CLEANING ASSOCIATION (IMCA)

THE AUSTRALASIAN HIGH PRESSURE WATER JETTING
ASSOCIATION

| JS4000 JETSTORM - PRESSURE WASHER HOSE | | | | | | | | | | | | | | | |
|--|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|----|----------------|------|-----------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| JS4004/G | 6 | -04 | 6,6 | 1/4 | 11,5 | 0.45 | 280 | 4100 | 840 | 12300 | 50 | 2.0 | 0,15 | 0.10 | T2000 |
| JS4005/G | 8 | -05 | 8,2 | 5/16 | 13,1 | 0.52 | 280 | 4100 | 840 | 12300 | 55 | 2.2 | 0,18 | 0.12 | T2000 |
| JS4006/G | 10 | -06 | 9,8 | 3/8 | 15,3 | 0.60 | 280 | 4100 | 840 | 12300 | 65 | 2.6 | 0,23 | 0.15 | T2000 |
| JS4008/G | 12 | -08 | 13,0 | 1/2 | 18,3 | 0.72 | 280 | 4100 | 840 | 12300 | 90 | 3.6 | 0,31 | 0.21 | T2000 |

Cutting and Assembly Charges apply to all RYCO industrial hoses, and vary by hose types and sizes. Contact RYCO for additional information or visit www.RYCO.com.au



JS4000BX/GX

PRESSURE WASHER
280 BAR/4100 PSI

RECOMMENDED FOR:

Hot Water Pressure Washer Machines.

DO NOT USE with Steam.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of:
EN 1829-2.

TUBE:

Black, heat resistant synthetic rubber.

REINFORCEMENT:

One braid of high tensile steel wire.

COVER:

Oil resistant synthetic rubber formulated to resist marking
JS4000BX, blue, highly abrasion resistant (AR), non marking
JS4000GX, grey, highly abrasion resistant (AR), non marking.
Embossed layline for positive, permanent identification.
No skiving required for T2000 Series Crimp Couplings.

TEMPERATURE RANGE:

JS4000BX/GX JETSTORM Hoses handle hot water up to
+135°C (+275°F) with intermittent service to
+150°C (+302°F).

WORKING PRESSURE:

Maximum working pressures are based on 3:1 safety factor
(maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -08) pages 189 to 234.
Assembly Instructions pages 480.

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INDUSTRIAL & MUNICIPAL CLEANING ASSOCIATION (IMCA)
THE AUSTRALASIAN HIGH PRESSURE WATER JETTING
ASSOCIATION

| JS4000 JETSTORM - PRESSURE WASHER HOSE | | | | | | | | | | | | | | | |
|--|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|----|----------------|------|-----------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| JS4004BX | 6 | -04 | 6,6 | 1/4 | 12,6 | 0.50 | 280 | 4100 | 840 | 12300 | 50 | 2.0 | 0,18 | 0.12 | T2000 |
| JS4005BX | 8 | -05 | 8,2 | 5/16 | 14,2 | 0.56 | 280 | 4100 | 840 | 12300 | 55 | 2.2 | 0,22 | 0.15 | T2000 |
| JS4006BX | 10 | -06 | 9,8 | 3/8 | 16,4 | 0.65 | 280 | 4100 | 840 | 12300 | 65 | 2.6 | 0,26 | 0.17 | T2000 |
| JS4008BX | 12 | -08 | 13,0 | 1/2 | 19,4 | 0.76 | 280 | 4100 | 840 | 12300 | 90 | 3.6 | 0,36 | 0.24 | T2000 |
| JS4004GX | 6 | -04 | 6,6 | 1/4 | 12,6 | 0.50 | 280 | 4100 | 840 | 12300 | 50 | 2.0 | 0,18 | 0.12 | T2000 |
| JS4005GX | 8 | -05 | 8,2 | 5/16 | 14,2 | 0.56 | 280 | 4100 | 840 | 12300 | 55 | 2.2 | 0,22 | 0.15 | T2000 |
| JS4006GX | 10 | -06 | 9,8 | 3/8 | 16,4 | 0.65 | 280 | 4100 | 840 | 12300 | 65 | 2.6 | 0,26 | 0.17 | T2000 |
| JS4008GX | 12 | -08 | 13,0 | 1/2 | 19,4 | 0.76 | 280 | 4100 | 840 | 12300 | 90 | 3.6 | 0,36 | 0.24 | T2000 |

Cutting and Assembly Charges apply to all RYCO industrial hoses, and vary by hose types and sizes. Contact RYCO for additional information or visit www.RYCO.com.au

HOSE

PRESSURE WASHER

JS6000/G

PRESSURE WASHER
420 BAR/6100 PSI



RECOMMENDED FOR:

Hot Water Pressure Washer Machines.

DO NOT USE with Steam.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of:
EN 1829-2.

TUBE:

Black, heat resistant synthetic rubber.

REINFORCEMENT:

Two braid of high tensile steel wire.

COVER:

Oil resistant synthetic rubber formulated to resist marking.

JS6000, black, highly abrasion resistant (AR), non marking
JS6000G, grey, animal fat resistant (AFR), non marking.

Embossed layline for positive, permanent identification.

No skiving required for T2000 Series Crimp Couplings.

TEMPERATURE RANGE:

JS6000/G JETSTORM Hoses handle hot water up to
+135°C (+275°F) with intermittent service to
+150°C (+302°F).

WORKING PRESSURE:

Maximum working pressures are based on 3:1 safety factor
(maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -08) pages 189 to 234.
Assembly Instructions pages 480.

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THE AUSTRALASIAN HIGH PRESSURE WATER JETTING
ASSOCIATION

| JS6000 JETSTORM - PRESSURE WASHER HOSE | | | | | | | | | | | | | | | |
|--|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|----|----------------|------|-----------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| JS6004/G | 6 | -04 | 6,6 | 1/4 | 12,4 | 0.49 | 420 | 6100 | 1260 | 18300 | 50 | 2.0 | 0,23 | 0.15 | T2000 |
| JS6005/G | 8 | -05 | 8,2 | 5/16 | 14,5 | 0.57 | 420 | 6100 | 1260 | 18300 | 55 | 2.2 | 0,30 | 0.20 | T2000 |
| JS6006/G | 10 | -06 | 9,8 | 3/8 | 16,3 | 0.64 | 420 | 6100 | 1260 | 18300 | 65 | 2.6 | 0,32 | 0.22 | T2000 |
| JS6008/G | 12 | -08 | 13,0 | 1/2 | 19,3 | 0.76 | 420 | 6100 | 1260 | 18300 | 90 | 3.6 | 0,44 | 0.30 | T2000 |

Cutting and Assembly Charges apply to all RYCO industrial hoses, and vary by hose types and sizes. Contact RYCO for additional information or visit www.RYCO.com.au



JS6000BX/GX

PRESSURE WASHER
420 BAR/6100 PSI

RECOMMENDED FOR:

Hot Water Pressure Washer Machines.

DO NOT USE with Steam.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of:
EN 1829-2.

TUBE:

Black, heat resistant synthetic rubber.

REINFORCEMENT:

Two braid of high tensile steel wire.

COVER:

Oil resistant synthetic rubber formulated to resist marking.

JS6000BX, blue, highly abrasion resistant (AR), non marking.

JS6000GX, grey, highly abrasion resistant (AR), non marking.

Embossed layline for positive, permanent identification.

No skiving required for T2000 Series Crimp Couplings.

TEMPERATURE RANGE:

JS6000BX/GX JETSTORM Hoses handle hot water up to
+135°C (+275°F) with intermittent service to
+150°C (+302°F).

WORKING PRESSURE:

Maximum working pressures are based on 3:1 safety factor
(maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -08) pages 189 to 234.
Assembly Instructions pages 480.

A MEMBER OF

THE WATERJET TECHNOLOGY ASSOCIATION (WJTA) AND
INDUSTRIAL & MUNICIPAL CLEANING ASSOCIATION (IMCA)

THE AUSTRALASIAN HIGH PRESSURE WATER JETTING
ASSOCIATION

| JS6000 JETSTORM - PRESSURE WASHER HOSE | | | | | | | | | | | | | | | |
|--|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|----|----------------|------|-----------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| JS6004BX | 6 | -04 | 6,6 | 1/4 | 13,5 | 0.53 | 420 | 6100 | 1260 | 18300 | 50 | 2.0 | 0,26 | 0.17 | T2000 |
| JS6005BX | 8 | -05 | 8,2 | 5/16 | 15,6 | 0.61 | 420 | 6100 | 1260 | 18300 | 55 | 2.2 | 0,34 | 0.23 | T2000 |
| JS6006BX | 10 | -06 | 9,8 | 3/8 | 17,4 | 0.69 | 420 | 6100 | 1260 | 18300 | 65 | 2.6 | 0,35 | 0.24 | T2000 |
| JS6008BX | 12 | -08 | 13,0 | 1/2 | 20,4 | 0.80 | 420 | 6100 | 1260 | 18300 | 90 | 3.6 | 0,49 | 0.33 | T2000 |
| JS6004GX | 6 | -04 | 6,6 | 1/4 | 13,5 | 0.53 | 420 | 6100 | 1260 | 18300 | 50 | 2.0 | 0,26 | 0.17 | T2000 |
| JS6005GX | 8 | -05 | 8,2 | 5/16 | 15,6 | 0.61 | 420 | 6100 | 1260 | 18300 | 55 | 2.2 | 0,34 | 0.23 | T2000 |
| JS6006GX | 10 | -06 | 9,8 | 3/8 | 17,4 | 0.69 | 420 | 6100 | 1260 | 18300 | 65 | 2.6 | 0,35 | 0.24 | T2000 |
| JS6008GX | 12 | -08 | 13,0 | 1/2 | 20,4 | 0.80 | 420 | 6100 | 1260 | 18300 | 90 | 3.6 | 0,49 | 0.33 | T2000 |

Cutting and Assembly Charges apply to all RYCO industrial hoses, and vary by hose types and sizes. Contact RYCO for additional information or visit www.RYCO.com.au

HOSE

SUCTION & RETURN

SRF COMPACT SUCTION & RETURN HOSE



RECOMMENDED FOR:

Petroleum and water base hydraulic fluids in suction lines or in low pressure return lines. Small bend radius is an advantage in installations where space is minimal. (Tighter Bend Radius than SAE 100R4)

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R4, SAE 100R4.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Textile reinforcement with spiral wire to prevent collapsing.

COVER:

Black, oil resistant and abrasion resistant synthetic rubber.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, DOT, GOST-R, BV, RINA and KR.

COUPLINGS:

Working pressure shown is for hose performance capabilities. Performance of a hose assembly depends on couplings used.

1. For Suction Applications, and Low Pressure Delivery (up to 25% of Maximum Working Pressure).

33000 SERIES COUPLINGS WITH RSC CLAMP

33000 Series (sizes -12 to -32) pages 336 to 340
33000 Series Couplings require a suitable clamp around the outside of the hose. Refer to RYCO RSC Clamps shown below. Assembly instructions pages 483

2. For Suction Applications, and High Pressure Delivery (up to 100% of Maximum Working Pressure).

NON-SKIVE ONE-PIECE CRIMP

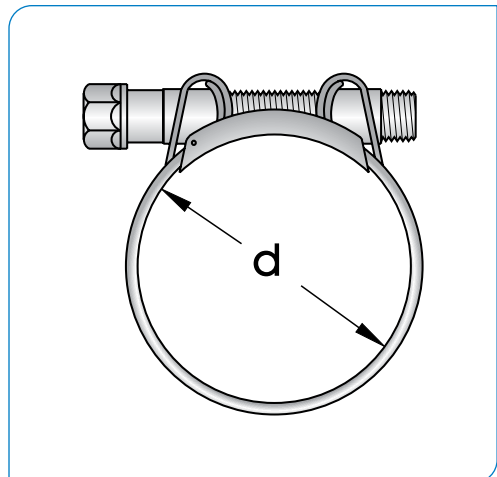
T4000 Series (Sizes -12 to -32) pages 235 to 251.
Assembly Instructions pages 480.

| SRF - DEFIANT COMPACT SUCTION AND RETURN HOSE | | | | | | | | | | | | | | | | |
|--|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|-----|---------------|------|----------------|------|-------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | VACUUM RATING | | AVERAGE WEIGHT | | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | mmHg | inHg | kg/m | lb/ft |
| SRF12 | 19 | -12 | 19,1 | 3/4 | 31,5 | 1.24 | 21 | 300 | 84 | 1200 | 65 | 2.5 | 635 | 25 | 0,82 | 0.55 |
| SRF16 | 25 | -16 | 25,4 | 1 | 40,0 | 1.57 | 17 | 250 | 68 | 1000 | 75 | 2.9 | 635 | 25 | 1,00 | 0.67 |
| SRF20 | 31 | -20 | 31,8 | 1.1/4 | 46,5 | 1.83 | 14 | 200 | 56 | 800 | 100 | 3.9 | 635 | 25 | 1,19 | 0.80 |
| SRF24 | 38 | -24 | 38,1 | 1.1/2 | 53,1 | 2.09 | 11 | 150 | 42 | 600 | 125 | 4.9 | 635 | 25 | 1,39 | 0.93 |
| SRF32 | 51 | -32 | 50,8 | 2 | 65,5 | 2.58 | 7 | 100 | 28 | 400 | 150 | 5.9 | 635 | 25 | 1,94 | 1.30 |

| HOSE PART NO | CLAMP PART NO | CLAMP ADJUSTMENT RANGE | RECOMMENDED TIGHTENING TORQUE | |
|--------------|---------------|------------------------|-------------------------------|--------|
| | | d mm | N.m | ft.lbf |
| SRF12 | RSC-3134 | 31 to 34 | 20 | 15 |
| SRF16 | RSC-3740* | 37 to 40 | 20 | 15 |
| | RSC-4043* | 40 to 43 | 20 | 15 |
| SRF20 | RSC-4347* | 43 to 47 | 20 | 15 |
| | RSC-4751* | 47 to 51 | 20 | 15 |
| SRF24 | RSC-5155 | 51 to 55 | 20 | 15 |
| SRF32 | RSC-6368 | 63 to 68 | 25 | 18 |

NOTE: For sizes -20, -24 & -32, use RYCO SRF Hose.

*Due to the manufacturing tolerance on outside diameter of the hose and the range of adjustment of the clamp, it is necessary to confirm correct clamp at time of assembly.





SRX
EXTREME FLEXIBILITY
COMPACT
SUCTION AND RETURN

RECOMMENDED FOR:

Petroleum and water base hydraulic fluids in suction lines or in low pressure return lines. Extreme Flexibility is an advantage in installations where space is minimal. (Tighter Bend Radius than SAE 100R4)

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R4, SAE 100R4.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Textile reinforcement with spiral wire to prevent collapsing.

COVER:

Black, oil resistant and abrasion resistant synthetic rubber.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F)

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, DOT, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T4000 Series (Sizes -12 to -48) pages 235 to 251. Assembly Instructions pages 480.

| SRX- XTREME SUCTION AND RETURN HOSE | | | | | | | | | | | | | | | | | |
|-------------------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|-----|---------------|------|----------------|------|-----------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | VACUUM RATING | | AVERAGE WEIGHT | | ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | mmHg | inHg | kg/m | lb/ft | NON-SKIVE |
| SRX12 | 19 | -12 | 19,1 | 3/4 | 29.6 | 1.17 | 21 | 305 | 84 | 1,218 | 40 | 1.6 | 600 | 23 | 0,52 | 0.35 | T4000 |
| SRX16 | 25 | -16 | 25,4 | 1 | 36.2 | 1.43 | 17 | 247 | 68 | 986 | 45 | 1.8 | 600 | 23 | 0,63 | 0.42 | T4000 |
| SRX20 | 31 | -20 | 31,8 | 1.1/4 | 44.0 | 1.73 | 14 | 203 | 56 | 812 | 60 | 2.4 | 600 | 23 | 0,82 | 0.55 | T4000 |
| SRX24 | 38 | -24 | 38,1 | 1.1/2 | 49.4 | 1.94 | 11 | 145 | 42 | 580 | 65 | 2.6 | 600 | 23 | 1,07 | 0.72 | T4000 |
| SRX32 | 51 | -32 | 50,8 | 2 | 63.8 | 2.51 | 7 | 102 | 28 | 406 | 100 | 3.9 | 600 | 23 | 1,54 | 1.03 | T4000 |
| SRX40 | 63 | -40 | 63,5 | 2.1/2 | 76.5 | 3.01 | 4 | 58 | 16 | 232 | 140 | 5.5 | 600 | 23 | 2,01 | 1.35 | T4000 |
| SRX48 | 76 | -48 | 76,2 | 3 | 89.9 | 3.54 | 4 | 58 | 16 | 232 | 180 | 7.1 | 600 | 23 | 2,50 | 1.68 | T4000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

RTH1

STAINLESS STEEL
BRAID TEFLON* HOSE



RECOMMENDED FOR:

High pressure hydraulic oil lines. Fluids at extremes of pressure and temperature. RYCO RTH1 Series Hose Lining is chemically pure, inert and contains no leachable additives. RYCO RTH1 is remarkably resistant to high temperature and flame. It has a very high melting point, thermal degradation threshold and auto-ignition temperature. Warning: RTH1 Hose Liner is non-conductive. Do not use with high velocity fluids and gases, as static electricity may be generated and cause premature failure of hose. If in doubt contact RYCO Hydraulics technical department.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: SAE 100R14. RTH112 meets ID and OD requirements of SAE 100R14. Other sizes have ID and OD different to SAE 100R14.

TUBE:

TEFLON® (PTFE).

REINFORCEMENT:

One braid of high tensile Grade 304 stainless steel wire.

TEMPERATURE RANGE:

From -60°C to +260°C (-76°F to +500°F).
(According to application).
For water, emulsions etc. see page 58.

| WORKING TEMPERATURE | | % OF WORKING PRESSURE THAT MAY BE USED SAFELY |
|---------------------|--------------------|---|
| °C | °F | Percentage |
| -60°C to +100°C | (-76°F to +212°F) | 100 |
| +101°C to +150°C | (+214°F to +302°F) | 93 |
| +151°C to +200°C | (+304°F to +392°F) | 85 |
| +201°C to +250°C | (+394°F to +482°F) | 77 |
| +251°C to +260°C | (+484°F to +500°F) | 70 |

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, DOT, GOST-R, BV, RINA and KR.

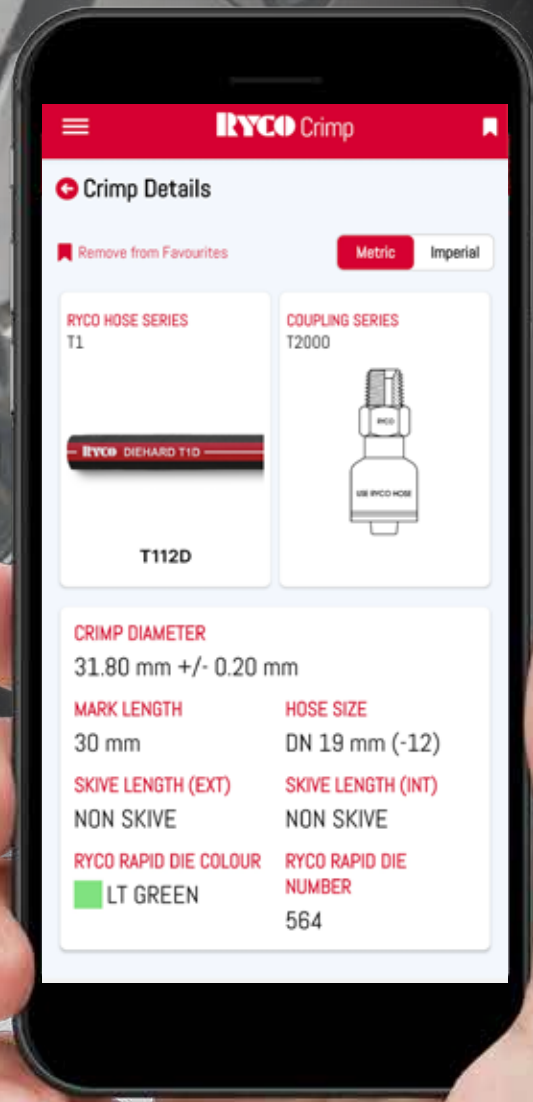
COUPLINGS:

ONE-PIECE CRIMP

TT000 Series (sizes -04 to -16) pages 319 to 322.
Assembly instructions page 482.

| RTH1 - TEFLON* HOSE | | | | | | | | | | | | | | | | | |
|---------------------|-----------|-----------------|------|-----------------|------|--------------------------|------|-------------------------------------|------|------------------------|------|---------------------|------|----------------|-------|-----------------|--|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MAXIMUM WORKING PRESSURE SAE 100R14 | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES | |
| | | mm | inch | mm | inch | bar | psi | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | ONE PIECE | |
| RTH14 | 6 -04 | 6,4 | 1/4 | 9,4 | 0,37 | 170 | 2450 | 105 | 1500 | 680 | 9800 | 75 | 3.0 | 0,12 | 0.08 | TT000 | |
| RTH16 | 10 -06 | 9,5 | 3/8 | 11,7 | 0,46 | 165 | 2375 | 105 | 1500 | 660 | 9500 | 125 | 5.0 | 0,14 | 0.09 | TT000 | |
| RTH18 | 12 -08 | 12,7 | 1/2 | 15,4 | 0,61 | 120 | 1750 | 56 | 800 | 485 | 7000 | 140 | 5.5 | 0,22 | 0.15 | TT000 | |
| RTH110 | 16 -10 | 15,9 | 5/8 | 18,4 | 0,72 | 105 | 1500 | 56 | 800 | 420 | 6000 | 165 | 6.5 | 0,28 | 0.19 | TT000 | |
| RTH112 | 19 -12 | 19,1 | 3/4 | 22,1 | 0,87 | 85 | 1250 | 56 | 800 | 345 | 5000 | 200 | 8.0 | 0,33 | 0.22 | TT000 | |
| RTH116 | 25 -16 | 25,4 | 1 | 28,6 | 1.13 | 55 | 800 | 56 | 800 | 220 | 3200 | 300 | 12.0 | 0,46 | 0.31 | TT000 | |

* DuPont Registered TM
Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.



RYCO CRIMP

YOUR SOURCE FOR THE MOST UP TO DATE CRIMP SETTINGS

RYCO Crimp is your source for RYCO crimp specifications. Find the most up-to-date specifications to accurately and safely crimp RYCO hydraulics hoses with matched RYCO fittings.

This intuitive application enables you to get your crimp specifications within your very own workshop or in your mobile service truck using your tablet or mobile phone device!

Begin by selecting your RYCO hose series, size, and part number with your coupling series and you are on your way to access all the specifications necessary to crimp your hydraulic hose.

Key Highlights:

- Picture Guide of selected RYCO Hose & Coupling Series
- Critical Crimp Details such as Crimp Diameter (+/-) & Mark Length
- Colour Coded Rapid Die Colour & Number
- Add Common Crimp Specifications to Favourites
- Portrait & Landscape Modes
- Toggle Button To Switch Between Metric & Imperial Units of Measure



HOSE

TEXTILE BRAID

PL1D

EXTRA ABRASION RESISTANT
FRAS
ONE TEXTILE BRAID HOSE
PUSH ON HOSE



RECOMMENDED FOR:

Petroleum base hydraulic oils, glycol antifreeze solutions, water, diesel fuels, and air.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R6, DIN 20021-1TE, ISO 4079 Type R6, SAE 100R6.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One textile braid.

COVER:

DIEHARD™ Black, oil and extra abrasion resistant synthetic rubber. Flame Resistant, Anti-Static (FRAS) & MSHA compliant. No skiving required with T4000 Series Crimp Couplings.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

DIEHARD™ FRAS textile braided hose meets or exceeds the Flame Resistance of U.S.A. MSHA Code of Federal Regulations Title 30 Part 18 Section 18.65 and the Anti-Static requirements of MDG 41, AS1180-13A and ISO 8031 having a resistance of less than 1MΩ per metre.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure). PL1D Hose, and 8000 Series Push-On Fittings, are recommended for use in systems with Static Working Pressures (constant loads without pressure spikes) only. They are not recommended for vibration or pressure surge applications. PL1D Hose should not be used at both maximum working pressure and maximum temperature simultaneously.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T4000 Series (Sizes -04 to -12) pages 235 to 251.
Assembly Instructions pages 480.

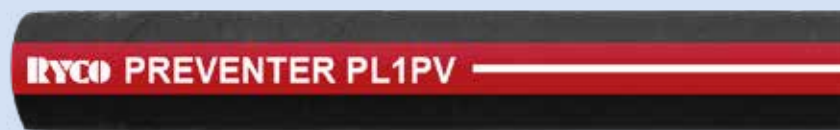
FIELD ATTACHABLE NON-SKIVE

8000 Series Push-On (sizes -04 to -12) pages 327 to 333.
PL1D Hose simply pushes on to 8000 Series Couplings. For diesel fuel and other potentially dangerous, or critical applications crimp fittings are required.

| PL1 D PUSH ON HOSE | | | | | | | | | | | | | | | | | | |
|-----------------------|-----------|-----------------|------|-----------------|------|---------------------------------|-----|------------------------|-----|---------------------|-----|---------------|------|----------------|------|--------|-----------|------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM STATIC WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | VACUUM RATING | | AVERAGE WEIGHT | | ONE PC | PUSH ON | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | mmHg | inHg | kg/m | lb/ft | NON-SKIVE | |
| PL14D | 6 | -04 | 6,6 | 1/4 | 12,7 | 0.50 | 30 | 435 | 120 | 1740 | 65 | 2.6 | 710 | 28 | 0,12 | 0.08 | T4000 | 8000 |
| PL15D | 8 | -05 | 8,2 | 5/16 | 14,3 | 0.56 | 30 | 435 | 120 | 1740 | 75 | 3.0 | 710 | 28 | 0,15 | 0.10 | T4000 | 8000 |
| PL16D | 10 | -06 | 9,8 | 3/8 | 15,9 | 0.63 | 30 | 435 | 120 | 1740 | 75 | 3.0 | 635 | 25 | 0,17 | 0.11 | T4000 | 8000 |
| PL18D | 12 | -08 | 13,0 | 1/2 | 19,8 | 0.78 | 30 | 435 | 120 | 1740 | 90 | 3.5 | 460 | 18 | 0,23 | 0.15 | T4000 | 8000 |
| PL110D | 16 | -10 | 16,2 | 5/8 | 23,0 | 0.91 | 26 | 375 | 104 | 1500 | 125 | 4.9 | 380 | 15 | 0,29 | 0.19 | T4000 | 8000 |
| PL112D | 19 | -12 | 19,1 | 3/4 | 26,4 | 1.04 | 22 | 320 | 88 | 1280 | 150 | 5.9 | 380 | 15 | 0,36 | 0.24 | T4000 | 8000 |

PL1PV

FIRE RESISTANT UL94 V-0
ONE TEXTILE BRAID HOSE
PUSH ON HOSE



INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

RECOMMENDED FOR:

Petroleum base hydraulic oils, glycol antifreeze solutions, water, diesel fuels, and air.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R6, ISO 4079 Type 1, SAE 100R6.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One textile braid.

COVER:

Black, oil and flame resistant synthetic rubber. Highly visible layline branding for easy and permanent identification. No skiving required with T4000 Series Crimp Couplings.

FLAME RESISTANCE:

Meets flame resistance requirements of UL94 V-0 - Standard for tests of flammability of plastic materials for parts and appliances. Certification No 20170622-E489804.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure). PL1PV Hose, and 8000 Series Push-On Fittings, are recommended for use in systems with Static Working Pressures (constant loads without pressure spikes) only. They are not recommended for vibration or pressure surge applications. PL1PV Hose should not be used at both maximum working pressure and maximum temperature simultaneously.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T4000 Series (Sizes -04 to -12) pages 235 to 251.
Assembly Instructions pages 480.

FIELD ATTACHABLE NON-SKIVE

8000 Series Push-On (sizes -04 to -12) pages 327 to 333.
PL1PV Hose simply pushes on to 8000 Series Couplings. For diesel fuel and other potentially dangerous, or critical applications crimp fittings are required.

| PL1 PV PUSH ON HOSE | | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM STATIC WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | VACUUM RATING | | AVERAGE WEIGHT | | COUPLING SERIES | |
|------------------------|-----------|-----------------|------|-----------------|------|---------------------------------|-----|------------------------|------|---------------------|------|---------------|------|----------------|-------|-----------------|---------|
| PART NO | HOSE SIZE | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | mmHg | inHg | kg/m | lb/ft | ONE PC | PUSH ON |
| PL14PV | 6 -04 | 6,6 | 1/4 | 12,7 | 0.50 | 30 | 410 | 112 | 1640 | 65 | 3.0 | 710 | 28 | 0,12 | 0.08 | T4000 | 8000 |
| PL15PV | 8 -05 | 8,2 | 5/16 | 14,3 | 0.56 | 30 | 410 | 112 | 1640 | 75 | 3.0 | 710 | 28 | 0,15 | 0.10 | T4000 | 8000 |
| PL16PV | 10 -06 | 9,8 | 3/8 | 15,9 | 0.63 | 30 | 410 | 112 | 1640 | 75 | 3.0 | 635 | 25 | 0,17 | 0.11 | T4000 | 8000 |
| PL18PV | 12 -08 | 13,0 | 1/2 | 19,8 | 0.78 | 30 | 410 | 112 | 1640 | 100 | 5.0 | 460 | 18 | 0,23 | 0.15 | T4000 | 8000 |
| PL110PV | 16 -10 | 16,2 | 5/8 | 23,0 | 0.91 | 26 | 350 | 96 | 1400 | 125 | 6.0 | 380 | 15 | 0,29 | 0.19 | T4000 | 8000 |
| PL112PV | 19 -12 | 19,1 | 3/4 | 26,4 | 1.04 | 22 | 305 | 84 | 1220 | 150 | 6.9 | 380 | 15 | 0,36 | 0.24 | T4000 | 8000 |

HOSE

TEXTILE BRAID

M1

FUEL LINE
ONE TEXTILE BRAID HOSE



RECOMMENDED FOR:

Multi-purpose hose for use on fuel lines, PCV and EEC systems, and for fuel return hose connections on diesel fuel injection systems. For use with leaded and unleaded petrol, oil, diesel and other fuels.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: SAE 30R7.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

One textile braid.

COVER:








Black, oil resistant synthetic rubber. Resists the effects of high heat and ozone found in engine compartments.

TEMPERATURE RANGE:

From -40°C to +125°C (-40°F to +257°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

| M1 – FUEL LINE HOSE | |  | |  | |  | |  | |  | |  | |  | | |
|---------------------|-----------|---|-----|---|------|---|-----|---|-----|--|-----|---|------|---|------|------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | VACUUM RATING AT 20°C (68°F) | | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | mmHg | inHg |
| M14 | 6 | -04 | 6,4 | 1/4 | 12,7 | 0.50 | 3,5 | 50 | 14 | 200 | 75 | 3.0 | 0,14 | 0.09 | 610 | 24 |
| M15 | 8 | -05 | 7,9 | 5/16 | 14,3 | 0.56 | 3,5 | 50 | 14 | 200 | 75 | 3.0 | 0,17 | 0.11 | 610 | 24 |
| M16 | 10 | -06 | 9,5 | 3/8 | 15,9 | 0.63 | 3,5 | 50 | 14 | 200 | 100 | 4.0 | 0,18 | 0.12 | 610 | 24 |

MP1

MULTI PURPOSE
ONE TEXTILE BRAID HOSE



INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

RECOMMENDED FOR:

Air, water, petroleum oils, kerosene and fuel oils.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of:
RMA (USA) Class A High Oil Resistance (tube),
RMA (USA) Class B Medium Oil Resistance (cover),

TUBE:

Black, oil resistant synthetic rubber. RMA (USA) Class A High Oil Resistance.

REINFORCEMENT:

One textile braid.

COVER:

Red, oil resistant and abrasion resistant synthetic rubber (Modified Nitrile). RMA (USA) Class B Medium Oil Resistance. No skiving required with T4000 Series Crimp Couplings.

FEATURES:

Tube non-conductive at 1000 volts DC. Meets electrical resistance of one megohm per inch when subjected to 1000 volts DC. Incorrect storage and use may adversely affect electrical properties.

TEMPERATURE RANGE:

Air, water, petroleum & lubricating oils: -40°C to +93°C (-40°F to +200°F). Petrol, kerosene, fuel oils: -40°C to +49°C (-40°F to +120°F). For continuous service at upper temperature limit, reduce maximum working pressure by 30%. For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure), and are for the performance of the hose with RYCO T4000 Series One-Piece couplings only. Maximum working pressure for a hose assembly with other couplings depends on the type of coupling and the type of clamp used. MP1 Hose should not be used at maximum working pressure and maximum working temperature simultaneously.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T4000 Series (Sizes -04 to -20) pages 235 to 251. Assembly Instructions pages 480.

Standard industrial hose barbed tails with hose clamps may also be suitable depending on working pressure required.

Not suitable for use with RYCO 8000 Series Push-On couplings.

| MP1 - MULTI PURPOSE HOSE | | | | | | | | | | | | | | | |
|--------------------------|-----------|-----------------|------|-----------------|------|--------------------------|------|------------------------|------|---------------------|-----|----------------|------|---------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| MP14 | 6 | -04 | 6,4 | 1/4 | 13,5 | 0.53 | 13,8 | 200 | 55,2 | 800 | 50 | 2.0 | 0,16 | 0.11 | T4000 |
| MP16 | 10 | -06 | 9,5 | 3/8 | 17,5 | 0.69 | 13,8 | 200 | 55,2 | 800 | 70 | 3.0 | 0,24 | 0.16 | T4000 |
| MP18 | 12 | -08 | 12,7 | 1/2 | 21,4 | 0.84 | 13,8 | 200 | 55,2 | 800 | 85 | 4.0 | 0,33 | 0.22 | T4000 |
| MP110 | 16 | -10 | 15,9 | 5/8 | 25,4 | 1.00 | 13,8 | 200 | 55,2 | 800 | 105 | 5.0 | 0,43 | 0.29 | T4000 |
| MP112 | 19 | -12 | 19,1 | 3/4 | 28,6 | 1.13 | 13,8 | 200 | 55,2 | 800 | 120 | 5.0 | 0,48 | 0.32 | T4000 |
| MP116 | 25 | -16 | 25,4 | 1 | 37,3 | 1.47 | 13,8 | 200 | 55,2 | 800 | 155 | 8.0 | 0,82 | 0.55 | T4000 |
| MP120 | 31 | -20 | 31,8 | 1.1/4 | 43,9 | 1.73 | 13,8 | 200 | 55,2 | 800 | 230 | 10.0 | 1,00 | 0.68 | T4000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

TEXTILE BRAID

M2

TEXTILE
TWO TEXTILE BRAID HOSE



RECOMMENDED FOR:

Medium pressure hydraulic oil lines, antifreeze solutions, water.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R3, DIN 20021-2TE, ISO 4079 Type R3, SAE 100R3.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Two textile braids.

COVER:

Black, oil resistant and abrasion resistant synthetic rubber. No skiving required with T4000 Series Crimp Couplings and M000 Series Field Attachable Couplings.

MSHA - FLAME RESISTANCE:

Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration. Complies with Flame Resistant requirements of Australian Standard AS 2660 and Method of Test AS 1180.10B.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F). For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

THIRD PARTY APPROVALS:

ABS, DNV-GL, LR, MED, USCG, DOT, GOST-R, BV, RINA and KR.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T4000 Series (Sizes -04 to -12) pages 235 to 251. Assembly Instructions pages 480.

FIELD ATTACHABLE NON-SKIVE

6000 SERIES insert (sizes -04 to -12) pages 252 to 273.

M000 Series ferrule (sizes -04 to -12) page 355.

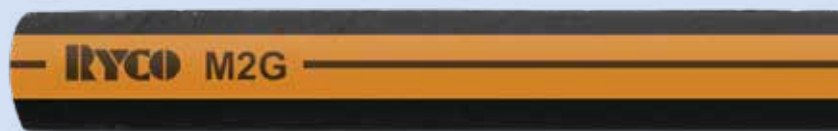
Assembly Instructions page 478.

| M2 - TEXTILE BRAID | | | | | | | | | | | | | | | | |
|--------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|-----|----------------|------|--------|-----------|-------------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | ONE PC | FIELD ATT | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE | |
| M24 | 6 | -04 | 6,4 | 1/4 | 14,3 | 0.56 | 88 | 1250 | 350 | 5000 | 75 | 3.0 | 0,16 | 0.11 | T4000 | 6000 (M000) |
| M25 | 8 | -05 | 7.9 | 5/16 | | | | | | | | | | | T4000 | 6000 (M000) |
| M26 | 10 | -06 | 9,5 | 3/8 | 19,0 | 0.75 | 78 | 1125 | 312 | 4500 | 100 | 4.0 | 0,28 | 0.19 | T4000 | 6000 (M000) |
| M28 | 12 | -08 | 12,7 | 1/2 | 23,8 | 0.94 | 70 | 1000 | 280 | 4000 | 125 | 5.0 | 0,41 | 0.28 | T4000 | 6000 (M000) |
| M212 | 19 | -12 | 19,1 | 3/4 | 31,7 | 1.25 | 52 | 750 | 210 | 3000 | 150 | 9.5 | 0,65 | 0.44 | T4000 | 6000 (M000) |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

M2G

TWO TEXTILE BRAID HOSE
LPG (CLASS C)



INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

IMPORTANT INFORMATION

RYCO **M2G Series** LPG Hose has Australian Gas Association approval (AGA approval No. 4247) only when used with RYCO **T4000 Series** One-Piece Non-Skive Crimp Couplings, or RYCO **M000 Series** Field Attachables.

AVAILABLE ONLY AS FACTORY FITTED HOSE ASSEMBLIES.

WARNING: Do not use Field Attachable Couplings for domestic applications. (This is a requirement of Australian Standard AS/NZS 1869).

For any queries, please contact RYCO Technical Department.

RECOMMENDED FOR:

Liquefied Petroleum Gas and Natural Gas.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS/NZS 1869 Class C (2,6 MPa working pressure, +65°C/+149°F max. temperature).

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Two textile braids.

COVER:

Black, abrasion resistant synthetic rubber. Pin-pricked (perforated). No skiving required with T4000 Series Crimp Couplings and M000 Series Field Attachable Couplings.

TEMPERATURE RANGE:

From -20°C to +65°C (-4°F to +149°F).

THIRD PARTY APPROVALS:

AUSTRALIAN GAS ASSOCIATION Approval No. 4247.

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

T4000 Series (Sizes -04 to -12) pages 235 to 251. Assembly Instructions pages 480.

FIELD ATTACHABLE NON-SKIVE

6000 SERIES insert (sizes -04 to -12) pages 252 to 273.

M000 Series ferrule (sizes -04 to -12) page 355.

Assembly Instructions page 478.

| M2G - LPG HOSE | | | | | | | | | | | | | | | | |
|----------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|------|----------------|-------|-----------------|-----------|-------------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES | | |
| | | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | ONE PC | FIELD ATT | |
| M24G | 6 | -04 | 6,4 | 1/4 | 14,3 | 0.56 | 26 | 375 | 104 | 1500 | 75 | 3.0 | 0,16 | 0.11 | T4000 | 6000 (M000) |
| M26G | 10 | -06 | 9,5 | 3/8 | 19,0 | 0.75 | 26 | 375 | 104 | 1500 | 100 | 4.0 | 0,28 | 0.19 | T4000 | 6000 (M000) |
| M28G | 12 | -08 | 12,7 | 1/2 | 23,8 | 0.94 | 26 | 375 | 104 | 1500 | 125 | 5.0 | 0,41 | 0.28 | T4000 | 6000 (M000) |
| M212G | 19 | -12 | 19,1 | 3/4 | 31,7 | 1.25 | 26 | 375 | 104 | 1500 | 240 | 9.5 | 0,65 | 0.44 | T4000 | 6000 (M000) |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.



SPIDERLINE

KINK FREE FLEXIBILITY



IRYCO SPIDERLINE TP76 3/8" -06 DN10 MAX WP 160

TP7 & TP7T (SAE 100R7)

IRYCO SPIDERLINE TP3000 3/8" -06 DN10 MAX WP 280

TP8 & TP8T (SAE 100R8)

COMPACT OUTSIDE
DIAMETER

REDUCED WEIGHT



ISOLATOR

THERMOPLASTIC HOSE



RYCO ISOLATOR TP76N 3/8" -06 DN10 MAX WP 16

RYCO ISOLATOR TP86N 3/8" -06 DN10 MAX WP 20

ELECTRICAL
NON-CONDUCTIVITY

COMPACT OUTSIDE
DIAMETER

REDUCED WEIGHT

HOSE

THERMOPLASTIC

TP7

SPIDERLINE
R7 HOSE



RECOMMENDED FOR:

High pressure hydraulic oil lines; pilot lines; greasing and lubrication lines; and some pneumatic and water lines. Suitable for use with mineral, vegetable and most ester based hydraulic fluids. Suitable for use with some gases, fluids and chemicals. Cover is perforated (pin-pricked) for use with air and gases.

RYCO SPIDERLINE hose is lighter weight, has a more compact outside diameter and is less than half the minimum bend radius of wire braided rubber hose. Smooth inner tube for high flow rate; and smooth, easily cleaned cover.

The synthetic and aramid fibre reinforcement gives SPIDERLINE hose excellent corrosion and fatigue resistance plus low elongation at maximum dynamic working pressure.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R7, EN 855 TYPE R7, ISO 3949, SAE 100R7.

TUBE:

White, oil resistant seamless thermoplastic (Polyester).

REINFORCEMENT:

One or two braids of synthetic fibre.

COVER:

Black, oil and abrasion resistant thermoplastic (Polyurethane). Cover is perforated (pin-pricked).

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

Air & Water +70 °C (+158 °F).

For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

TP000 Series (sizes -03 to -16) pages 306 to 318.

Assembly Instructions pages 480.

| TP7 - SPIDERLINE HOSE | | | | | | | | | | | | | | | |
|-----------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|-----|----------------|------|------------------------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| TP73 | 5 | -03 | 5,0 | 3/16 | 9,6 | 0.38 | 210 | 3000 | 840 | 12000 | 25 | 1.0 | 0,06 | 0.04 | TP000 |
| TP74 | 6 | -04 | 6,5 | 1/4 | 12,2 | 0.48 | 210 | 3000 | 840 | 12000 | 35 | 1.4 | 0,10 | 0.07 | TP000 |
| TP75 | 8 | -05 | 8,1 | 5/16 | 14,3 | 0.56 | 190 | 2700 | 760 | 10800 | 45 | 1.8 | 0,13 | 0.09 | TP000 |
| TP76 | 10 | -06 | 9,7 | 3/8 | 16,0 | 0.63 | 160 | 2300 | 640 | 9200 | 55 | 2.2 | 0,15 | 0.10 | TP000 |
| TP78 | 12 | -08 | 13,0 | 1/2 | 20,3 | 0.80 | 140 | 2000 | 560 | 8000 | 75 | 3.0 | 0,22 | 0.15 | TP000 |
| TP712 | 19 | -12 | 19,5 | 3/4 | 27,1 | 1.07 | 90 | 1300 | 360 | 5200 | 140 | 5.5 | 0,34 | 0.23 | TP000 |
| TP716 | 25 | -16 | 25,9 | 1 | 34,0 | 1.34 | 70 | 1000 | 280 | 4000 | 190 | 7.5 | 0,46 | 0.31 | TP000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

TP7N

ISOLATOR
R7 NON CONDUCTIVE HOSE



RECOMMENDED FOR:

Hydraulic oil lines where electrical non-conductivity is required (for use in applications where there is potential for contact with high voltage sources). Suitable for use with mineral, vegetable and most ester based hydraulic fluids. Heat and hydrolysis stabilised for use with water based hydraulic fluids up to +70°C (+158°F). Smooth inner tube for high flow rate; and smooth, easily cleaned cover. The high strength, non-metallic reinforcement gives these hoses excellent corrosion and fatigue resistance, and low elongation of ±2% at maximum dynamic working pressure.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R7, EN 855 TYPE R7, ISO 3949, SAE 100R7.

TUBE:

White, oil resistant seamless thermoplastic (Polyester).

REINFORCEMENT:

One or two braids of synthetic fibre.

COVER:

Orange, oil and abrasion resistant thermoplastic (Polyurethane). Cover is non-perforated.

FEATURES:

Meets non-conductivity requirements of SAE 100R7, AS 3791 100R7, EN 855 Type 7 (maximum leakage does not exceed 50 µA when subjected to 75 kV/305 mm or 250 kV/m for 5 minutes). Incorrect storage and use, particularly that leading to oil or moisture entering the reinforcement, may adversely affect electrical properties.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).
Air & Water +70 °C (+158 °F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

TP000 Series (sizes -04 to -16) pages 306 to 318.
Assembly Instructions pages 480.

| TP7N - ISOLATOR NON-CONDUCTIVE HOSE | | | | | | | | | | | | | | | | |
|--|-----------|------|-----------------|------|-----------------|------|--------------------------|------|------------------------|-------|---------------------|------|----------------|-------|-----------------|--|
| PART NO | HOSE SIZE | | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE | |
| TP74N | 6 | -04 | 6,5 | 1/4 | 12,2 | 0.48 | 210 | 3000 | 840 | 12000 | 35 | 1.4 | 0,10 | 0.07 | TP000 | |
| TP76N | 10 | -06 | 9,7 | 3/8 | 16,0 | 0.63 | 160 | 2300 | 640 | 9200 | 55 | 2.2 | 0,15 | 0.10 | TP000 | |
| TP78N | 12 | -08 | 13,0 | 1/2 | 20,3 | 0.80 | 140 | 2000 | 560 | 8000 | 75 | 3.0 | 0,22 | 0.15 | TP000 | |
| TP712N | 19 | -12 | 19,5 | 3/4 | 27,1 | 1.07 | 90 | 1300 | 360 | 5200 | 140 | 5.5 | 0,34 | 0.23 | TP000 | |
| TP716N | 25 | -16 | 25,9 | 1 | 34,0 | 1.34 | 70 | 1000 | 280 | 4000 | 190 | 7.5 | 0,46 | 0.31 | TP000 | |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

THERMOPLASTIC

TP7T

SPIDERLINE
R7 TWIN HOSE



RECOMMENDED FOR:

RYCO TP7T SPIDERLINE TWIN Hose consists of two TP7 Series Hoses of the same size, permanently joined together in a flat compact form that can be easily reeled onto payout and return reels on forklifts and cranes. It is also used on dispensing equipment and other applications requiring two hoses.

High pressure hydraulic oil lines; pilot lines; greasing and lubrication lines; and some pneumatic and water lines. Suitable for use with mineral, vegetable and most ester based hydraulic fluids. Suitable for use with some gases, fluids and chemicals. Cover is perforated (pin-pricked) for use with air and gases.

RYCO SPIDERLINE hose is lighter weight, has a more compact outside diameter and is less than half the minimum bend radius of wire braided rubber hose. Smooth inner tube for high flow rate; and smooth, easily cleaned cover.

The synthetic and aramid fibre reinforcement gives SPIDERLINE hose excellent corrosion and fatigue resistance plus low elongation at maximum dynamic working pressure.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R7, EN 855 TYPE R7, ISO 3949, SAE 100R7.

TUBE:

White, oil resistant seamless thermoplastic (Polyester).

REINFORCEMENT:

One or two braids of synthetic fibre.

COVER:

Black, oil and abrasion resistant thermoplastic (Polyurethane). Cover is perforated (pin-pricked).

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

Air & Water +70 °C (+158 °F).

For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

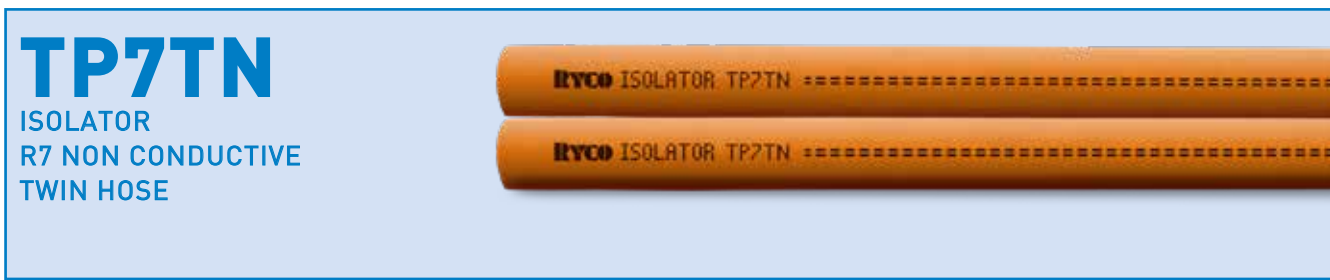
COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

TP000 Series (sizes -04 to -16) pages 306 to 318. Assembly Instructions pages 480.

| TP7T – SPIDERLINE TWIN HOSE | | | | | | | | | | | | | | | |
|-----------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|----|----------------|------|-----------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| TP74T | 6 | -04 | 6,5 | 1/4 | 12,2 | 0.48 | 210 | 3000 | 840 | 12000 | 35 | 1.4 | 0,20 | 0.13 | TP000 |
| TP75T | 8 | -05 | 8,1 | 5/16 | 14,3 | 0.56 | 190 | 2700 | 760 | 10800 | 45 | 1.8 | 0,26 | 0.18 | TP000 |
| TP76T | 10 | -06 | 9,7 | 3/8 | 16,0 | 0.63 | 160 | 2300 | 640 | 9200 | 55 | 2.2 | 0,30 | 0.20 | TP000 |
| TP78T | 12 | -08 | 13,0 | 1/2 | 20,3 | 0.80 | 140 | 2000 | 560 | 8000 | 75 | 3.0 | 0,44 | 0.30 | TP000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.



TP7TN

ISOLATOR
R7 NON CONDUCTIVE
TWIN HOSE

RECOMMENDED FOR:

RYCO TP7TN ISOLATOR TWIN Hose consists of two TP7N Series Hoses of the same size, permanently joined together in a flat compact form that can be easily reeled onto payout and return reels on forklifts and cranes. It is also used for hydraulic powered hand tools, such as loppers and chain saws, and other applications requiring two hoses. TP7TN is used where electrical non-conductivity is required (for use in applications where there is potential for contact with high voltage sources). Suitable for use with mineral, vegetable and most ester based hydraulic fluids. Heat and hydrolysis stabilised for use with water based hydraulic fluids up to +70°C (+158°F). Suitable for use with some gases, fluids and chemicals (contact RYCO Hydraulics Technical Department). Smooth inner tube for high flow rate; and smooth, easily cleaned cover. The polyester reinforcement gives TP7TN Hose excellent corrosion and fatigue resistance, and low elongation of ±2% at maximum dynamic working pressure.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R7, EN 855 TYPE R7, ISO 3949, SAE 100R7.

TUBE:

White, oil resistant seamless thermoplastic (Polyester).

REINFORCEMENT:

One or two braids of synthetic fibre.

COVER:

Orange, oil and abrasion resistant thermoplastic (Polyurethane). Cover is non-perforated.

FEATURES:

Meets non-conductivity requirements of SAE 100R7, AS 3791 100R7, EN 855 Type 7 (maximum leakage does not exceed 50 µA when subjected to 75 kV/305 mm or 250 kV/m for 5 minutes). Incorrect storage and use, particularly that leading to oil or moisture entering the reinforcement, may adversely affect electrical properties.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).
Air & Water +70 °C (+158 °F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

TP000 Series (sizes -04 to -16) pages 306 to 318.
Assembly Instructions pages 480.

| TP7TN – ISOLATOR NON-CONDUCTIVE TWIN HOSE | | | | | | | | | | | | | | | |
|--|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|-----|---------------------|----|----------------|------|-----------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| TP74TN | 6 | -04 | 6,5 | 1/4 | 12,2 | 0.48 | 210 | 3000 | 840 | 12000 | 35 | 1.4 | 0,20 | 0.13 | TP000 |
| TP76TN | 10 | -06 | 9,7 | 3/8 | 16,0 | 0.63 | 160 | 2300 | 640 | 9200 | 55 | 2.2 | 0,30 | 0.20 | TP000 |
| TP78TN | 12 | -08 | 13,0 | 1/2 | 20,3 | 0.80 | 140 | 2000 | 560 | 8000 | 75 | 3.0 | 0,44 | 0.30 | TP000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

THERMOPLASTIC

TP8

SPIDERLINE
R8 HOSE



RECOMMENDED FOR:

High pressure hydraulic oil lines; pilot lines; greasing and lubrication lines; and some pneumatic and water lines. Suitable for use with mineral, vegetable and most ester based hydraulic fluids. Suitable for use with some gases, fluids and chemicals. Cover is perforated (pin-pricked) for use with air and gases.

RYCO SPIDERLINE hose is lighter weight, has a more compact outside diameter and is less than half the minimum bend radius of wire braided rubber hose. Smooth inner tube for high flow rate; and smooth, easily cleaned cover.

The synthetic and aramid fibre reinforcement gives SPIDERLINE hose excellent corrosion and fatigue resistance plus low elongation at maximum dynamic working pressure.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R8, EN 855 TYPE R8, ISO 3949, SAE 100R8.

TUBE:

White, oil resistant seamless thermoplastic (Polyester).

REINFORCEMENT:

One or two braids of aramid fibre.

COVER:

Black, oil and abrasion resistant thermoplastic (Polyurethane). Cover is perforated (pin-pricked).

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

TP000 Series (sizes -04 to -16) pages 306 to 318.
Assembly Instructions pages 480.

| TP8 – SPIDERLINE HOSE | | | | | | | | | | | | | | COUPLING SERIES | |
|-----------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|----|----------------|------|-----------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| TP84 | 6 | -04 | 6,5 | 1/4 | 11,5 | 0.45 | 350 | 5000 | 1400 | 20000 | 50 | 2.0 | 0,09 | 0.06 | TP000 |
| TP86 | 10 | -06 | 9,7 | 3/8 | 15,5 | 0.61 | 280 | 4000 | 1120 | 16000 | 60 | 2.4 | 0,14 | 0.09 | TP000 |
| TP88 | 12 | -08 | 13,0 | 1/2 | 19,9 | 0.78 | 245 | 3500 | 980 | 14000 | 80 | 3.1 | 0,20 | 0.13 | TP000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.



TP8N

ISOLATOR
R8 NON CONDUCTIVE HOSE

RECOMMENDED FOR:

Hydraulic oil lines where electrical non-conductivity is required (for use in applications where there is potential for contact with high voltage sources). Suitable for use with mineral, vegetable and most ester based hydraulic fluids. Heat and hydrolysis stabilised for use with water based hydraulic fluids up to +70°C (+158°F). Smooth inner tube for high flow rate; and smooth, easily cleaned cover. The high strength, non-metallic reinforcement gives these hoses excellent corrosion and fatigue resistance, and low elongation of ±2% at maximum dynamic working pressure.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R8, EN 855 TYPE R8, ISO 3949, SAE 100R8.

TUBE:

White, oil resistant seamless thermoplastic (Polyester).

REINFORCEMENT:

One or two braids of aramid fibre.

COVER:

Orange, oil and abrasion resistant thermoplastic (Polyurethane). Cover is non-perforated.

FEATURES:

Meets non-conductivity requirements of SAE 100R7, AS 3791 100R7, EN 855 Type 7 (maximum leakage does not exceed 50 µA when subjected to 75 kV/305 mm or 250 kV/m for 5 minutes). Incorrect storage and use, particularly that leading to oil or moisture entering the reinforcement, may adversely affect electrical properties.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).
Air & Water +70 °C (+158 °F).
For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

TP000 Series (sizes -04 to -16) pages 306 to 318. Assembly Instructions pages 480.

| TP8N - ISOLATOR NON-CONDUCTIVE HOSE | | | | | | | | | | | | | | | |
|--|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|----|----------------|------|-----------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| TP84N | 6 | -04 | 6,5 | 1/4 | 11,5 | 0.45 | 350 | 5000 | 1400 | 20000 | 50 | 2.0 | 0,09 | 0.06 | TP000 |
| TP86N | 10 | -06 | 9,7 | 3/8 | 15,5 | 0.61 | 280 | 4000 | 1120 | 16000 | 60 | 2.4 | 0,14 | 0.09 | TP000 |
| TP88N | 12 | -08 | 13,0 | 1/2 | 19,9 | 0.78 | 245 | 3500 | 980 | 14000 | 80 | 3.1 | 0,20 | 0.13 | TP000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

THERMOPLASTIC

TP8T

SPIDERLINE
R8 TWIN HOSE



RECOMMENDED FOR:

RYCO TP8T SPIDERLINE TWIN Hose consists of two TP8 Series Hoses of the same size, permanently joined together in a flat compact form that can be easily reeled onto payout and return reels on forklifts and cranes. It is also used on dispensing equipment and other applications requiring two hoses.

High pressure hydraulic oil lines; pilot lines; greasing and lubrication lines; and some pneumatic and water lines. Suitable for use with mineral, vegetable and most ester based hydraulic fluids. Suitable for use with some gases, fluids and chemicals. Cover is perforated (pin-pricked) for use with air and gases.

RYCO SPIDERLINE hose is lighter weight, has a more compact outside diameter and is less than half the minimum bend radius of wire braided rubber hose. Smooth inner tube for high flow rate; and smooth, easily cleaned cover.

The synthetic and aramid fibre reinforcement gives SPIDERLINE hose excellent corrosion and fatigue resistance plus low elongation at maximum dynamic working pressure.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R8, EN 855 TYPE R8, ISO 3949, SAE 100R8.

TUBE:

White, oil resistant seamless thermoplastic (Polyester).

REINFORCEMENT:

One or two braids of aramid fibre.

COVER:

Black, oil and abrasion resistant thermoplastic (Polyurethane). Cover is perforated (pin-pricked).

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

Air & Water +70 °C (+158 °F).

For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

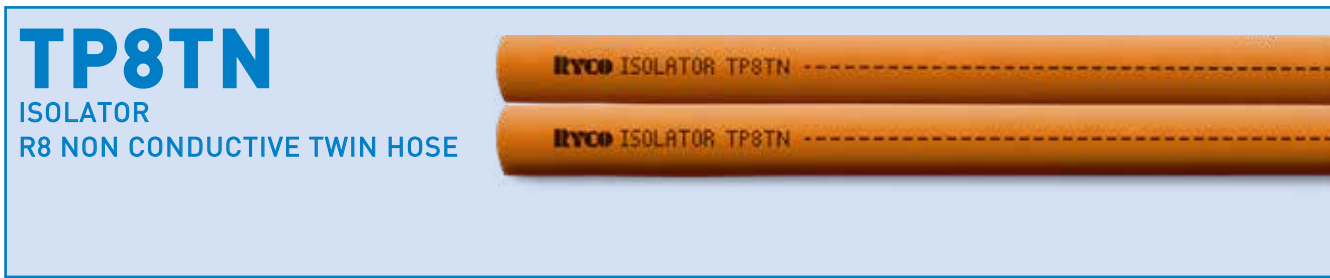
NON-SKIVE ONE-PIECE CRIMP

TP000 Series (sizes -04 to -16) pages 306 to 318.

Assembly Instructions pages 480.

| TP8T – SPIDERLINE TWIN HOSE | | | | | | | | | | | | | | | |
|-----------------------------|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|----|----------------|------|-----------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | ONE PIECE | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| TP84T | 6 | -04 | 6,5 | 1/4 | 11,5 | 0.45 | 350 | 5000 | 1400 | 20000 | 50 | 2.0 | 0,17 | 0.11 | TP000 |
| TP86T | 10 | -06 | 9,7 | 3/8 | 15,5 | 0.61 | 280 | 4000 | 1120 | 16000 | 60 | 2.4 | 0,27 | 0.18 | TP000 |
| TP88T | 12 | -08 | 13,0 | 1/2 | 19,9 | 0.78 | 245 | 3500 | 980 | 14000 | 80 | 3.1 | 0,40 | 0.27 | TP000 |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.



TP8TN

ISOLATOR
R8 NON CONDUCTIVE TWIN HOSE

RECOMMENDED FOR:

RYCO TP8TN ISOLATOR TWIN Hose consists of two TP8N Series Hoses of the same size, permanently joined together in a flat compact form that can be easily reeled onto payout and return reels on forklifts and cranes. It is also used for hydraulic powered hand tools, such as loppers and chain saws, and other applications requiring two hoses. TP8TN is used where electrical non-conductivity is required (for use in applications where there is potential for contact with high voltage sources). Suitable for use with mineral, vegetable and most ester based hydraulic fluids. Heat and hydrolysis stabilised for use with water based hydraulic fluids up to +70°C (+158°F). Suitable for use with some gases, fluids and chemicals (contact RYCO Hydraulics Technical Department). Smooth inner tube for high flow rate; and smooth, easily cleaned cover. The aramid reinforcement gives TP8TN Hose excellent corrosion and fatigue resistance, and low elongation of ±2% at maximum dynamic working pressure.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: AS 3791 100R8, EN 855 Type R8, ISO 3949, SAE 100R8.

TUBE:

White, oil resistant seamless thermoplastic (Polyester).

REINFORCEMENT:

One or two braids of aramid fibre.

COVER:

Orange, oil and abrasion resistant thermoplastic (Polyurethane). Cover is non-perforated.

FEATURES:

Meets non-conductivity requirements of SAE 100R7, AS 3791 100R7, EN 855 Type 7 (maximum leakage does not exceed 50 µA when subjected to 75 kV/305 mm or 250 kV/m for 5 minutes). Incorrect storage and use, particularly that leading to oil or moisture entering the reinforcement, may adversely affect electrical properties.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

Air & Water +70 °C (+158 °F).

For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

TP000 Series (sizes -04 to -16) pages 306 to 318.

Assembly Instructions pages 480.

| TP8TN – ISOLATOR NON-CONDUCTIVE TWIN HOSE | | | | | | | | | | | | | | | |
|--|-----------|-----------------|------|-----------------|------|--------------------------|-----|------------------------|------|---------------------|----|----------------|------|-----------------|-----------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE |
| TP84TN | 6 | -04 | 6,5 | 1/4 | 11,5 | 0.45 | 350 | 5000 | 1400 | 20000 | 50 | 2.0 | 0,17 | 0.11 | TP000 |
| TP86TN | 10 | -06 | 9,7 | 3/8 | 15,5 | 0.61 | 280 | 4000 | 1120 | 16000 | 60 | 2.4 | 0,27 | 0.18 | TP000 |
| TP88TN | 12 | -08 | 13,0 | 1/2 | 19,9 | 0.78 | 245 | 3500 | 980 | 14000 | 80 | 3.1 | 0,40 | 0.27 | TP000 |

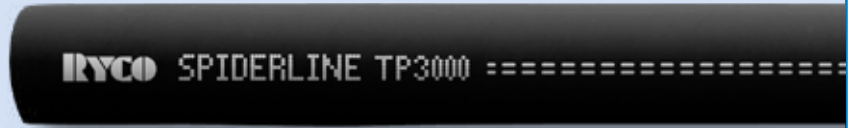
Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

HOSE

THERMOPLASTIC

TP3000

LOW TEMPERATURE R18
ISOBARIC HOSE
210 BAR / 3000 PSI



RECOMMENDED FOR:

Medium pressure hose suitable for petroleum or synthetic based hydraulic fluids in forklift systems. Optimum bonding characteristics and special cover also make it the ideal hose for equipment operating in cold environments, while maintaining a high level of flexibility.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: SAE 100 R18.

TUBE:

Polyester elastomer.

REINFORCEMENT:

One or two braids of synthetic fibre.

COVER:

Special polyester, black with white ink-jet branding. Cover is perforated (pin-pricked).

FEATURES:

Special polyester cover resistant to low temperatures and harsh weather conditions. Optimum bonding between tube, braids and cover for tight bend radii without cover wrinkling.

TEMPERATURE RANGE:

From -55°C to +100°C (-67°F to +212°F)
Air & Water +70 °C (+158 °F)
For water, emulsions etc. see page 58.

WORKING PRESSURE:

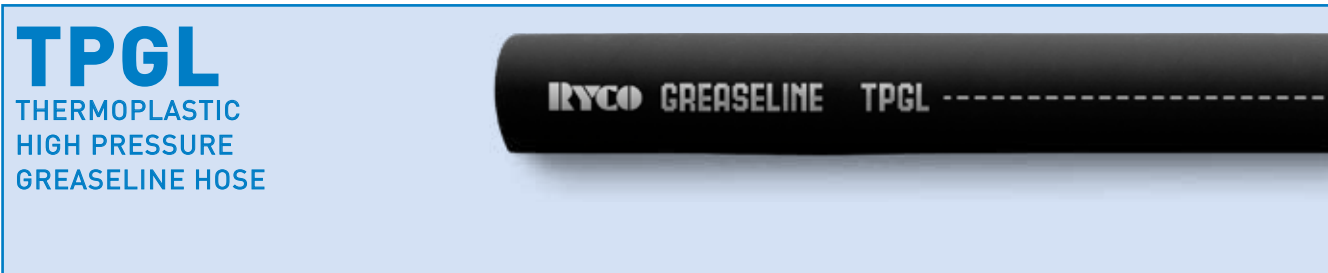
Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

TP000 Series (sizes -04 to -16) pages 306 to 318.
Assembly Instructions pages 480.

| TP3000 – ISOBARIC THERMOPLASTIC HOSE | | | | | | | | | | | | | | | |
|--------------------------------------|-----------|-----------------|------|-----------------|------|--------------------------|------|------------------------|-------|---------------------|------|----------------|-------|-----------------|--|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES | |
| | | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | ONE PIECE | |
| TP3004 | 6 -04 | 6,5 | 1/4 | 12,2 | 0.48 | 210 | 3000 | 840 | 12000 | 35 | 1.4 | 0,09 | 0.06 | TP000 | |
| TP3006 | 10 -06 | 9,7 | 3/8 | 16,6 | 0.65 | 210 | 3000 | 840 | 12000 | 45 | 1.8 | 0,16 | 0.11 | TP000 | |
| TP3008 | 12 -08 | 13,0 | 1/2 | 22,5 | 0.89 | 210 | 3000 | 840 | 12000 | 70 | 2.8 | 0,29 | 0.20 | TP000 | |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.



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RECOMMENDED FOR:

Thermoplastic constant pressure hose for high pressure greasing and lubrication systems.

TUBE:

White, oil resistant seamless thermoplastic polymer.

REINFORCEMENT:

One braid of synthetic fibre.

COVER:

Black, oil and abrasion resistant thermoplastic polymer. Cover is non-perforated.

FEATURES:

Polyester reinforcement for high pressure. Extremely compact and flexible, and highly kink resistant. Special low-friction smooth cover for easy installation and compact routing.

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F). For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

COUPLINGS:

NON-SKIVE ONE-PIECE CRIMP

TG000 Series (size -02) pages 323. Assembly Instructions pages 480.

FIELD ATTACHABLE NON-SKIVE

6000 SERIES insert (size -02) pages 357 to 387. **P000 Series** ferrule (size -02) page 355.

| TPGL - THERMOPLASTIC GREASELINE HOSE | | | | | | | | | | | | | | | | |
|--------------------------------------|-----------|-----------------|-----|-----------------|-----|--------------------------|-----|------------------------|------|---------------------|----|----------------|------|--------|-----------|-------------|
| PART NO | HOSE SIZE | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | ONE PC | FIELD ATT | |
| Hose | DN | Dash | mm | inch | mm | inch | bar | psi | bar | psi | mm | inch | kg/m | lb/ft | NON-SKIVE | |
| TPGL2 | 4 | -02 | 4,0 | 0.16 | 8,3 | 0.33 | 250 | 3600 | 1000 | 14400 | 25 | 0.98 | 0,05 | 0.03 | TG000 | 6000 (P000) |

Refer to the latest RYCO Crimp Charts for crimp diameter and mark lengths.

R4100N

FLEXIBLE GREASE GUN EXTENSIONS



RECOMMENDED FOR:

Rubber-covered hose for high pressure greasing and lubrication systems.

TUBE:

Black, oil resistant seamless synthetic rubber.

REINFORCEMENT:

One braid of high tensile steel wire.

COVER:

Black, oil and abrasion resistant synthetic rubber.

FEATURES:

Suit standard grease guns.

High tensile wire reinforcement for high pressure and durability.

Available in a variety of lengths

TEMPERATURE RANGE:

From -40°C to +100°C (-40°F to +212°F).

For water, emulsions etc. see page 58.

WORKING PRESSURE:

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

| R4100 - FLEXIBLE GREASE GUN EXTENSIONS | | | | |
|--|----------------|------|------------------|------------------|
| PART NO | OVERALL LENGTH | | END 1 CONNECTION | END 2 CONNECTION |
| Hose | mm | inch | | |
| R4100 | 255 | 10 | 1/8" BSPT MALE | 1/8" BSPT MALE |
| R4200 | 380 | 15 | 1/8" BSPT MALE | 1/8" BSPT MALE |
| R4101 | 460 | 18 | 1/8" BSPT MALE | 1/8" BSPT MALE |
| R4201 | 610 | 24 | 1/8" BSPT MALE | 1/8" BSPT MALE |
| R4202 | 710 | 28 | 1/8" BSPT MALE | 1/8" BSPT MALE |



HOSE PROTECTION

EXTRA ABRASION RESISTANT

FRAS - FLAME RESISTANT ANTI STATIC



RYCO QUALITY

BUNDLE MULTIPLE HOSES

RCS CROCSLEEVE SHOWN ABOVE
THE LATEST IN RYCO'S SUPERIOR RANGE OF HOSE PROTECTION PRODUCTS

HOSE PROTECTION – FS1072 FIRE SLEEVE

FS1072 FIRE SLEEVE



MEETS OR EXCEEDS THE PERFORMANCE REQUIREMENTS OF:
SAE AEROSPACE STANDARD AS 1072.

RECOMMENDED FOR:

Increasing service life of hoses used in hostile environments. It is a tough, flexible insulation, which not only protects from intense external radiant heat, but also sheds molten metal splash. Consequently, damage to hoses is reduced and service life is increased. In the event of fire, hoses carrying flammable or hazardous materials remain intact longer. It can also be used to protect cables, pipes and wire ropes. RYCO FS1072 FIRE SLEEVE can also be used to reduce heat loss from hoses.

CONSTRUCTION:

RYCO FS1072 FIRE SLEEVE is manufactured from high bulk braided glass fibre tubing, coated with silicon rubber. The “danger red” colour of the silicon rubber is due to heavy loading of iron oxide to improve heat resistance.

TEMPERATURE RANGE:

Continuous exposure:

from -54°C to +260°C (-65°F to +500°F)

15 to 20 minutes:

from +260°C to +1090°C (+500°F to +2000°F)

15 to 30 seconds:

from +1090°C to +1640°C (+2000°F to +3000°F)

TYPICAL PROPERTIES:

K Value in $\frac{\text{BTU} \cdot \text{in}}{\text{hr} \cdot \text{ft}^2 \cdot \text{in}^2}$ 1.20

K Value in $\frac{\text{Cal}}{\text{cm} \cdot \text{sec} \cdot \text{cm}^2 \cdot \text{°C}}$ 0.0004134

FLAME RESISTANCE:

7 seconds to extinguish with no afterglow.

ABRASION RESISTANCE:

Wyzenbeck 9500 cycles, 3.1/3 lb pressure, 6 lb tension using fine emery cloth.

OIL AND FLUID RESISTANCE:

Remains functional after immersion for 120hr @ 80°F in MIL-H-5606, MIL-L-6082, Skydrol 500 LD and Skydrol 500.

SIZE SELECTION:

FS1072 FIRE SLEEVE performs best when installed with a loose fit over a hose. However, some end users insist on a tight fit for the sake of appearance. To achieve this tight fit, use compressed air to expand FIRE SLEEVE as it is installed over the hose. Length of FIRE SLEEVE will shorten in length as it increases in diameter, so allow for some extra length to compensate for this.

For a loose fit, there is no hard and fast rule to relate the Nominal Inside Diameter of FIRE SLEEVE with the Nominal Outside Diameter of the hose being covered. However, it is important to take two factors into account: hose length and hose cover.

For hoses up to 5 metres (16 ft) long, use a Nominal Inside Diameter of FIRE SLEEVE 15% larger than the Nominal Outside Diameter of hose being covered. For hoses over 5 metres (16 ft) long, use a size 20% larger. Remember the FIRE SLEEVE must slide over the outside of the hose. The longer the hose, the tougher it is to install, especially if enough tolerance on a long hose has not been allowed.

As the FIRE SLEEVE must slide over the outside of the hose, the hose covering also requires special consideration. A hose with a rough rubber cover is more difficult to slide FIRE SLEEVE over than a hose with a smooth cover.

For hose covers that have a high co-efficient of friction, be sure to allow for greater tolerance between the Nominal Inside Diameter of FIRE SLEEVE and the Nominal Outside Diameter of the hose to be covered.

Sizes FS1072-08 to FS1072-104:

Standard coil length is 15,24 metres (50 ft); or cut lengths. Lengths longer than 15,24 meters (50 ft) are also available, contact RYCO Customer Service.

Sizes FS1072-80 and FS1072-104:

Standard coil length is 5 metres (16.4 ft)

FS1072 FIRE SLEEVE can be slit longitudinally to form a flat FIRE TAPE which can be wound around larger diameter hoses and secured with stainless steel ties or FSTAPE-16.

FSTAPE-16

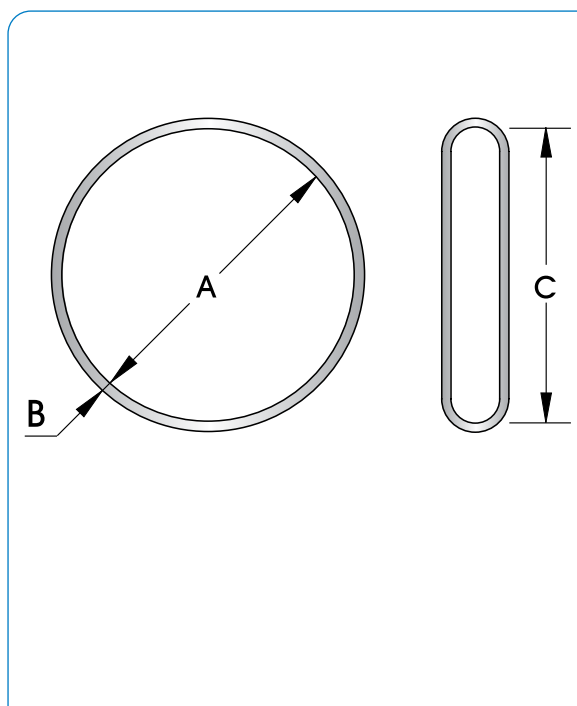
FSTAPE-16 is an iron oxide, red silicone rubber tape. It is designed to be, not only self-bonding and self-curing, but to also bond and cure onto FS1072 FIRE SLEEVE. It can be used to join separate sections of FIRE SLEEVE, as well as to repair any scuffed or nicked areas of FIRE SLEEVE. It can be used as an end sealant (instead of clamps) to prevent moisture and hydraulic oils wicking into the inner fibreglass braid.

FSTAPE-16 is supplied in a roll 25 mm WIDE x 11 metres LONG x 0,5 mm THICK (1 inch x 36 ft x 0.02 inch)



FS1072 FIRE SLEEVE SPECIFICATIONS

| PART NO | NOMINAL ID | | NOMINAL WALL THICKNESS | | NOMINAL INSIDE FLAT DIMENSION | | NOMINAL WEIGHT | |
|------------|------------|--------|------------------------|--------|-------------------------------|--------|----------------|-------|
| | A mm | A inch | B mm | B inch | C mm | C inch | kg/m | lb/ft |
| FS1072-08 | 12,7 | 0.50 | 4,3 | 0.17 | 20,0 | 0.79 | 0,19 | 0.13 |
| FS1072-11 | 17,5 | 0.69 | 4,3 | 0.17 | 27,5 | 1.08 | 0,29 | 0.19 |
| FS1072-14 | 22,2 | 0.87 | 4,4 | 0.17 | 34,9 | 1.37 | 0,28 | 0.19 |
| FS1072-16 | 25,4 | 1.00 | 4,8 | 0.19 | 39,9 | 1.57 | 0,31 | 0.21 |
| FS1072-18 | 28,6 | 1.13 | 4,7 | 0.19 | 46,6 | 1.84 | 0,37 | 0.25 |
| FS1072-20 | 31,8 | 1.25 | 4,7 | 0.19 | 47,4 | 1.87 | 0,36 | 0.24 |
| FS1072-22 | 34,9 | 1.38 | 4,8 | 0.19 | 54,8 | 2.17 | 0,43 | 0.29 |
| FS1072-24 | 38,1 | 1.50 | 4,0 | 0.16 | 58,3 | 2.29 | 0,46 | 0.31 |
| FS1072-30 | 47,6 | 1.87 | 4,0 | 0.16 | 74,8 | 2.93 | 0,54 | 0.36 |
| FS1072-32 | 50,8 | 2.00 | 4,0 | 0.16 | 79,8 | 3.14 | 0,55 | 0.37 |
| FS1072-40 | 63,5 | 2.50 | 4,1 | 0.16 | 94,2 | 3.71 | 0,84 | 0.56 |
| FS1072-44 | 69,9 | 2.75 | 5,0 | 0.20 | 109,8 | 4.32 | 0,85 | 0.57 |
| FS1072-64 | 102,0 | 4.02 | 5,0 | 0.20 | 160,2 | 6.32 | 1,07 | 0.72 |
| FS1072-80 | 127,0 | 5.00 | 5,0 | 0.20 | 199,5 | 7.89 | 2,26 | 1.52 |
| FS1072-104 | 165,0 | 6.50 | 5,0 | 0.20 | 259,2 | 10.21 | 2,86 | 1.92 |



HOSE NOMINAL OUTSIDE DIAMETER REFERENCE CHART

This chart may be used as a quick reference to assist in choosing correct size of Hose Protection. Dimensions are nominal only, and are in millimetres. Divide by 25.4 to convert to inches.

| HOSE SIZE | | | HOSE SERIES | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|-------|------|-------------|--------|----------|----------|----------|----------|----------|----------|--------|----------|----------|----------|------|------|----------|----------|------|------|------|------|------|-------|------|-------|--|
| DN | INCH | DASH | T3000D/S | T3600C | T3600D/S | T4000D/S | T5000D/S | T6000D/S | H3000D/S | H4000D/S | H5000C | H5000D/S | H6000D/S | C6000D/S | DF1D | DF2D | DK1D/E/S | DK2D/E/S | EC1 | EC2 | ECP1 | E1 | E2 | T1D/S | T1F | T2D/S | |
| 3 | 1/8 | -02 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 3/16 | -03 | | | | | | | | | | | | | | | | | | | 10,3 | | | 11,7 | 11,7 | | |
| 6 | 1/4 | -04 | 11,8 | 11,8 | 11,8 | 11,8 | 13,2 | 13,2 | | | | | | | 12,2 | 13,4 | 11,6 | 12,7 | 12,2 | 13,4 | 11,8 | 13,0 | 14,6 | 13,3 | 13,3 | 14,9 | |
| 8 | 5/16 | -05 | 14,4 | 14,4 | 14,4 | 15,6 | 15,6 | 15,6 | | | | | | | 13,9 | 14,9 | 13,4 | 14,8 | 13,9 | 14,9 | 13,3 | 14,6 | 16,4 | 14,9 | 14,9 | 16,5 | |
| 10 | 3/8 | -06 | 15,6 | 15,6 | 15,6 | 16,6 | 17,1 | 17,6 | | 19,3 | | 19,3 | 19,3 | | 15,6 | 17,3 | 15,0 | 16,4 | 15,6 | 17,3 | 14,9 | 16,7 | 18,5 | 17,3 | 17,3 | 18,9 | |
| 12 | 1/2 | -08 | 18,7 | 19,9 | 19,9 | 20,6 | 20,6 | | | 22,7 | | 22,7 | 22,7 | 21,4 | 19,0 | 20,3 | 18,3 | 19,7 | 19,0 | 20,3 | 18,3 | 20,0 | 21,7 | 20,3 | 20,3 | 21,9 | |
| 16 | 5/8 | -10 | 23,4 | 23,4 | 23,4 | 23,4 | | | | 24,9 | | 26,2 | 26,2 | 28,5 | 20,2 | 23,6 | 21,5 | 22,8 | 20,2 | 23,6 | | 23,4 | 24,9 | 23,6 | 23,6 | 25,1 | |
| 19 | 3/4 | -12 | 27,6 | 27,6 | 27,6 | 28,4 | | | | 30,0 | 29,6 | 29,6 | 30,6 | 35,5 | 25,6 | 27,6 | 24,7 | 26,1 | 25,6 | 27,6 | | 27,4 | 28,9 | 27,6 | 27,6 | 29,1 | |
| 25 | 1 | -16 | 34,8 | 35 | 35,2 | | | | | 36,9 | 36,8 | 36,8 | 37,5 | | 33,6 | 35,5 | 31,6 | 33,3 | 33,6 | 35,5 | | 35,8 | 37,3 | 35,5 | 35,5 | 37,5 | |
| 31 | 1.1/4 | -20 | | | | | | | | 45,7 | 44,0 | 45,0 | 46,4 | | | 41,3 | 38,4 | 39,8 | | | | | | 43,2 | | 47,6 | |
| 38 | 1.1/2 | -24 | | | | | | | | 50,3 | 50,8 | 52,7 | 53,1 | | | | | | | | | | | 50,2 | | 54,1 | |
| 51 | 2 | -32 | | | | | | | | 63,3 | 66,4 | 67,5 | 71,5 | | | | | | | | | | | 63,6 | | 66,8 | |
| 63 | 2.1/2 | -40 | | | | | | | | | | | | | | | | | | | | | | | | 80,1 | |
| 76 | 3 | -48 | | | | | | | | | | | | | | | | | | | | | | | | 91,3 | |

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HOSE PROTECTION – FS1072 FIRE SLEEVE

| HOSE SIZE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|-------|------|------|-------|--------|-------|-------|------|--------|------|------|------|------|------|------|--------|--------|------|------|----------|-------------|----------|-------------|------|------|------|------|
| DN | INCH | DASH | T2C | TX2AD | H12D/S | R4SHD | R4SPD | TJ2D | D4000D | R0P1 | R0P2 | R0P5 | R0P6 | D2B | T5 | M51000 | CS1000 | BT1 | SW | JS4000/G | JS4000BX/GX | JS6000/G | JS6000BX/GX | SRF | SRX | RTH1 | |
| 3 | 1/8 | -02 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 3/16 | -03 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 1/4 | -04 | 15,0 | | | | | 14,9 | | 13,4 | 15,0 | 13,2 | 12,3 | | 13,2 | | | | 13,3 | | 11,5 | 12,6 | 12,4 | 13,5 | | | 9,4 |
| 8 | 5/16 | -05 | 16,6 | | | | | 18,9 | | 15,0 | 16,6 | 14,8 | 13,9 | | 14,8 | | | | 14,9 | | 13,1 | 14,2 | 14,5 | 15,6 | | | |
| 10 | 3/8 | -06 | 19,0 | | 19,3 | | 20,9 | | | 17,4 | 19,0 | 17,2 | 15,5 | | 17,2 | | | | 17,3 | 21,5 | 15,3 | 16,4 | 16,3 | 17,4 | | | 11,7 |
| 12 | 1/2 | -08 | 22,2 | 22,0 | 22,7 | | 24,3 | | 22,7 | 20,5 | 22,0 | 19,4 | 19,0 | | 19,4 | 18,5 | 18,5 | 20,3 | 24,6 | 18,3 | 19,4 | 19,3 | 20,4 | | | 15,4 | |
| 16 | 5/8 | -10 | 25,2 | 25,2 | 26,2 | | 27,8 | | | 23,7 | 25,2 | 23,4 | 22,6 | | 23,4 | 22,1 | 22,1 | 23,6 | | | | | | | | 18,4 | |
| 19 | 3/4 | -12 | 29,1 | 29,1 | 30,0 | 31,8 | 31,8 | | 30,0 | 27,6 | 29,1 | 27,4 | 25,8 | | 27,4 | 25,8 | 25,8 | 27,6 | 31,9 | | | | | | 31,5 | 29,6 | 22,1 |
| 25 | 1 | -16 | 37,2 | 37,7 | 37,4 | 37,9 | 38,6 | | 36,9 | 35,7 | 37,7 | 31,4 | | | 31,4 | 32,5 | 32,5 | 35,5 | 37,6 | | | | | | 40,0 | 36,2 | 28,6 |
| 31 | 1.1/4 | -20 | 47,4 | | 45,7 | 44,4 | | | | | 48,0 | 38,1 | | 40,4 | 38,1 | 39,5 | 39,5 | | | | | | | | 46,5 | 44,0 | |
| 38 | 1.1/2 | -24 | 53,8 | | 53,0 | 52,4 | | | | | 54,4 | 44,5 | | 48,0 | 44,5 | 46,0 | 46,0 | | | | | | | | 53,1 | 49,4 | |
| 51 | 2 | -32 | 66,7 | | 66,0 | 66,8 | | | | | 67,3 | 56,3 | | 62,0 | 56,3 | 59,1 | 59,1 | | | | | | | | 65,5 | 63,8 | |
| 63 | 2.1/2 | -40 | | | 82,6 | | | | | | | | | | | | | | | | | | | | | 76,5 | |
| 76 | 3 | -48 | | | | | | | | | | | | | | | | | | | | | | | | 89,9 | |

| HOSE SIZE | | | HOSE SERIES | | | | | | | | | | | | |
|-----------|-------|------|-------------|------|------|------|------|-----------|-------------|-----------|-------------|--------|------|--|--|
| DN | INCH | DASH | PL1D | M1 | MP1 | M2 | M2G | TP7, TP7N | TP7T, TP7TN | TP8, TP8N | TP8T, TP8TN | TP3000 | TPGL | | |
| 3 | 1/8 | -02 | | | | | | | | | | | 8,3 | | |
| 5 | 3/16 | -03 | | | | | | 9,6 | | | | | | | |
| 6 | 1/4 | -04 | 12,7 | 12,7 | 13,5 | 14,3 | 14,3 | 12,2 | 12,2 | 11,5 | 11,5 | 12,2 | | | |
| 8 | 5/16 | -05 | 14,3 | 14,3 | | | | 14,3 | 14,3 | | | | | | |
| 10 | 3/8 | -06 | 15,9 | 15,9 | 17,5 | 19,0 | 19,0 | 16,0 | 16,0 | 15,5 | 15,5 | 16,6 | | | |
| 12 | 1/2 | -08 | 19,8 | | 21,4 | 23,8 | 23,8 | 20,3 | 20,3 | 19,9 | 19,9 | 22,5 | | | |
| 16 | 5/8 | -10 | 23,0 | | 25,4 | | | | | | | | | | |
| 19 | 3/4 | -12 | 26,4 | | 28,6 | 31,7 | 31,7 | 27,1 | | | | | | | |
| 25 | 1 | -16 | | | 37,3 | | | 34,0 | | | | | | | |
| 31 | 1.1/4 | -20 | | | 43,9 | | | | | | | | | | |
| 38 | 1.1/2 | -24 | | | | | | | | | | | | | |
| 51 | 2 | -32 | | | | | | | | | | | | | |
| 63 | 2.1/2 | -40 | | | | | | | | | | | | | |
| 76 | 3 | -48 | | | | | | | | | | | | | |

RCS CROCSLEEVE FLAME RESISTANT ANTI-STATIC



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RECOMMENDED FOR:

Hose burst and pinhole protection. Protection of individual hoses from severe abrasion. Provides a cost effective method of bundling hoses together, while providing abrasion resistance to the bundle. When abrasion occurs, the thousands of tiny filaments in the sleeve bulk up, to continually renew the surface.

CONSTRUCTION:

Densely woven, polyamide tubular sleeve. Black or Red colour. CROCSLEEVE is not affected by exposure to air, water, hydraulic oil and many other fluids. The inside bore of the CROCSLEEVE is smooth, allowing hose to move inside the sleeve, and allowing easy installation.

FRAS - FLAME RESISTANCE AND ANTI-STATIC:

Flame Resistant and Anti-Static - FRAS. Electrical conductivity is 3 to 5 MΩ/m when subjected to 500 Volts DC.

TEMPERATURE RANGE:

From - 50°C to + 121°C (- 58°F to + 250°F).

SIZE SELECTION:

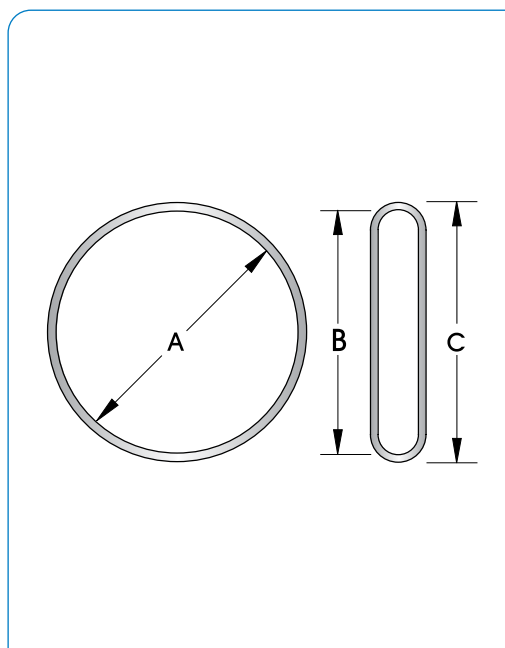
Choose a size that is slightly larger than the hose or hoses to be sleeved - recommended size is 50% larger than nominal Hose OD (see chart on page 153). If CROCSLEEVE is to be installed onto fitted hose assemblies, allow for the maximum outside profile of the hose fittings.

ASSEMBLY INSTRUCTIONS:

1. Cut the CROCSLEEVE to length.
2. The loose fibres of the cut edges can be sealed with a heat gun or hot knife, to prevent fraying.
3. Install over hoses or hose assemblies.
4. Secure in place using adhesive-lined heat shrink tubing.

RCS CROCSLEEVE SPECIFICATIONS

| CROCSLEEVE DIMENSIONS | | | | | | | | | |
|-----------------------|----------|------------|--------|-----------------|--------|-----------------|--------|----------------|-------|
| PART NO | | NOMINAL ID | | NOMINAL FLAT ID | | NOMINAL FLAT OD | | NOMINAL WEIGHT | |
| Black | RED | A mm | A inch | B mm | B inch | C mm | C inch | kg/m | lb/ft |
| RCSB-20 | RCSR-20 | 20 | 0.79 | 31 | 1.22 | 34 | 1.34 | 0,039 | 0.026 |
| RCSB-23 | RCSR-23 | 23 | 0.91 | 36 | 1.42 | 39 | 1.54 | 0,044 | 0.030 |
| RCSB-27 | RCSR-27 | 27 | 1.06 | 42 | 1.65 | 45 | 1.77 | 0,052 | 0.035 |
| RCSB-31 | RCSR-31 | 31 | 1.22 | 49 | 1.93 | 52 | 2.05 | 0,060 | 0.040 |
| RCSB-36 | RCSR-36 | 36 | 1.42 | 54 | 2.13 | 57 | 2.24 | 0,065 | 0.044 |
| RCSB-44 | RCSR-44 | 44 | 1.73 | 69 | 2.72 | 72 | 2.83 | 0,082 | 0.055 |
| RCSB-47 | RCSR-47 | 47 | 1.85 | 74 | 2.91 | 77 | 3.03 | 0,086 | 0.058 |
| RCSB-55 | RCSR-55 | 55 | 2.17 | 86 | 3.39 | 89 | 3.50 | 0,102 | 0.068 |
| RCSB-60 | RCSR-60 | 60 | 2.36 | 94 | 3.70 | 97 | 3.82 | 0,111 | 0.074 |
| RCSB-66 | RCSR-66 | 66 | 2.60 | 104 | 4.09 | 107 | 4.21 | 0,122 | 0.082 |
| RCSB-73 | RCSR-73 | 73 | 2.87 | 115 | 4.53 | 118 | 4.65 | 0,135 | 0.091 |
| RCSB-93 | RCSR-93 | 93 | 3.66 | 146 | 5.75 | 149 | 5.87 | 0,170 | 0.114 |
| RCSB-112 | RCSR-112 | 112 | 4.41 | 176 | 6.93 | 179 | 7.05 | 0,206 | 0.138 |
| RCSB-129 | RCSR-129 | 129 | 5.08 | 202 | 7.95 | 205 | 8.07 | 0,360 | 0.241 |



NOTE: In order to function as a burst diffuser, the RCS CROCSLEEVE size recommendations stated in this chart are approximately 50% larger than the corresponding Hose OD.

MDG 41 SAFE

HOSE

HOSE PROTECTION – RCS CROCSLEEVE

CROCSLEEVE SIZE VERSUS HOSE AND DASH SIZE SELECTION TABLE

| | T3000D/S | T3600D/S/C | T4000D/S | T5000D/S | T6000D/S | H3000D/S | H4000D/S | H5000D/S/C | H6000D/S | C6000D/S | DF1D | DF2D | DK1D/E/S | DK2D/E/S | EC1 | EC2 | ECP1 | E1 | E2 | |
|----------|-----------|------------|----------|----------|----------|----------|----------|------------|----------|----------|----------|----------|----------|----------|----------|-----|----------|----------|-----|----------|
| Part No. | Dash Size | | | | | | | | | | | | | | | | | | | |
| RCSB-20 | -04 | -04 | -04 | -04 | -04 | | | | | | -04, -05 | -04, -05 | -04 | -04 | -04 | -04 | -03, -04 | -03, -04 | | |
| RCSB-23 | -05 | -05 | -05 | -05 | -05 | | | | | | | | -05 | -05 | -05 | -05 | -05 | -05, -06 | -05 | -04 |
| RCSB-27 | -06 | -06 | -06 | -06 | -06 | | | | | | -06 | -06 | -06 | -06 | -06 | -06 | -06 | -08 | -06 | -05, -06 |
| RCSB-31 | -08 | -08 | -08 | -08 | | -06 | -06 | -06 | -08 | -08 | -08, -10 | -08 | -10 | -08 | -08, -10 | -08 | | -08 | -08 | |
| RCSB-36 | -10 | -10 | -10 | | | -08 | -08 | -08 | | | -12 | -10 | -12 | -10 | | -10 | | -10 | -10 | |
| RCSB-44 | -12 | -12 | -12 | | | -10 | -10 | -10 | -12, -16 | -16 | -16 | -12 | -16 | -12 | -12 | -12 | | -12, -16 | | |
| RCSB-47 | | | | | | -12 | -12 | -12 | | | | | | | | -16 | | | -12 | |
| RCSB-55 | -16 | -16 | | | | -16 | -16 | -16 | | | | -16 | | -16 | -16 | | | | -16 | |
| RCSB-60 | | | | | | | | | | | | -20 | -20 | -20 | | | | | | |
| RCSB-66 | | | | | | -20 | -20 | | | | | | | | | | | | | |
| RCSB-73 | | | | | | -20 | | -20 | | | | | | | | | | | | |
| RCSB-93 | | | | | | -24 | -24 | -24 | -24 | | | | | | | | | | | |
| RCSB-112 | | | | | | -32 | -32 | -32 | -32 | | | | | | | | | | | |
| RCSB-129 | | | | | | | | | | | | | | | | | | | | |

NOTE: In order to function as a burst diffuser, the RCS CROCSLEEVE size recommendations stated in this chart are approximately 50% larger than the corresponding Hose OD.

CROCSLEEVE SIZE VERSUS HOSE AND DASH SIZE SELECTION TABLE

| | T1D/S | T1F | T2D/S | TX2AD | H12D/S | R4SHD | R4SPD | TJ2D | D4000D | RQP1 | RQP2 | RQP5 | RQP6 | D2B | T5 | MS1000 | CS1000 | BT1 | SW | JS4000/G |
|----------|----------|----------|----------|-------|--------|-------|-------|------|--------|------|----------|----------|----------|-----|----------|--------|--------|-----|-----|----------|
| Part No. | | | | | | | | | | | | | | | | | | | | |
| RCSB-20 | -03, -04 | -03, -04 | | | | | | | | -04 | -04 | -04 | -04 | | | | | -04 | | -04, -05 |
| RCSB-23 | -05 | -05 | -04 | | | | | -04 | | -05 | -04 | -04, -05 | -05, -06 | | -04, -05 | | | -05 | | -06 |
| RCSB-27 | -06 | -06 | -05, -06 | | | | | -06 | | -06 | -05, -06 | -06 | | | -06 | -08 | -08 | -06 | | |
| RCSB-31 | -08 | -08 | -08 | | -06 | | -06 | | | -08 | -08 | -08 | -08 | | -08 | -10 | -10 | -08 | -06 | -08 |
| RCSB-36 | -10 | -10 | -10 | -08 | -08 | | -08 | | -08 | -10 | -10 | -10 | -10, -12 | | -10 | -12 | -12 | -10 | -08 | |
| RCSB-44 | -12 | -12 | -12 | -10 | -10 | | -10 | | | -12 | -12 | -12, -16 | | | -12 | | | -12 | | |
| RCSB-47 | | | | -12 | -12 | -12 | -12 | | -12 | | | | | | -16 | -16 | -16 | -16 | -12 | |
| RCSB-55 | -16 | -16 | -16 | -16 | | -16 | | | -16 | -16 | -16 | | | | -20 | | | | -16 | |
| RCSB-60 | | | | | -16 | | -16 | | | | | | | -20 | | -20 | -20 | | | |
| RCSB-66 | -20 | -20 | | | | -20 | | | | | | | | | -24 | | | | | |
| RCSB-73 | -24 | -24 | -20 | | -20 | | | | | -20 | | | | -24 | | -24 | -24 | | | |
| RCSB-93 | -32 | -32 | -24 | | -24 | -24 | | | | -24 | | | | -32 | -32 | -32 | -32 | | | |
| RCSB-112 | | | -32 | | -32 | | | | | -32 | | | | | | | | | | |
| RCSB-129 | | | -40 | | -40 | | | | | | | | | | | | | | | |

NOTE: In order to function as a burst diffuser, the RCS CROCSLEEVE size recommendations stated in this chart are approximately 50% larger than the corresponding Hose OD.

CROCSLEEVE SIZE VERSUS HOSE AND DASH SIZE SELECTION TABLE

| Part No. | JS4000BX/GX | JS6000/G | JS6000BX/GX | SRF | SRX | RTH1 | PL1D | M1 | MP1 | M2/G | TP7, TP7N | TP7T, TP7TN | TP8, TP8N | TP8T, TP8TN | TP3000 | TPGL |
|-----------------|-------------|----------|-------------|-----|-----|----------|----------|----------|-----|------|-----------|-------------|-----------|-------------|--------|------|
| RCSB-20 | -04, -05 | -04 | -04 | | | -04, -06 | -04 | -04 | -04 | | -03, -04 | | -04 | | -04 | -02 |
| RCSB-23 | -06 | -05 | -05 | | | -08 | -05, -06 | -05, -06 | -06 | -04 | -05, -06 | | -06 | | -06 | |
| RCSB-27 | | -06 | -06 | | | -10 | | | | | | | | | | |
| RCSB-31 | -08 | -08 | -08 | | | | -08 | | -08 | -06 | -08 | | -08 | | -08 | |
| RCSB-36 | | | | | | -12 | -10 | | -10 | -08 | | -04 | | | | |
| RCSB-44 | | | | -12 | -12 | -16 | -12 | | -12 | -12 | -12 | | | -04 | | |
| RCSB-47 | | | | | | | | | | | | -05 | | | | |
| RCSB-55 | | | | | | | | | -16 | | -16 | -06 | | -06 | | |
| RCSB-60 | | | | -16 | -16 | | | | | | | | | -08 | | |
| RCSB-66 | | | | -20 | -20 | | | | -20 | | | -08 | | | | |
| RCSB-73 | | | | | | | | | | | | | | | | |
| RCSB-93 | | | | -24 | -24 | | | | | | | | | | | |
| RCSB-112 | | | | -32 | -32 | | | | | | | | | | | |
| RCSB-129 | | | | | | | | | | | | | | | | |

NOTE: In order to function as a burst diffuser, the RCS CROCSLEEVE size recommendations stated in this chart are approximately 50% larger than the corresponding Hose OD.

CROCSLEEVE - SAFETY FIRST

| DESIGN FEATURES | BENEFITS |
|---|---|
| GREATER STRENGTH | CROCSLEEVE is made from high density PA (polyamide) for greater strength |
| FLAME RESISTANT - ABRASION RESISTANT | CROCSLEEVE is Flame Resistant and Anti-Static - FRAS |
| BURST RESISTANT | CROCSLEEVE is very resistant to hose burst |
| PIN HOLE RESISTANT | CROCSLEEVE is very resistant to hose pin holes |
| LEAK RESISTANT | CROCSLEEVE will allow pressure build up of up to 7 bar (100 psi) |
| STABLE | CROCSLEEVE is stable and has great resistance to sun, atmospheric agents and ageing |
| NON-TOXIC | CROCSLEEVE is non toxic |
| TOUGH | CROCSLEEVE is super tough |
| COLOURS | CROCSLEEVE comes in BLACK (RCSB) and RED (RCSR) |
| EASY INSTALLATION | CROCSLEEVE has a smooth bore providing easy installation of the hose |

| CHEMICALLY COMPATIBLE | | | |
|-----------------------|----------------------|-----------|--------------------------|
| | Acetone | Very Good | Ether |
| | Alcohols | Very Good | Gasoline |
| | Bacterium | Very Good | Ionic Metallic Solutions |
| | Benzene | Very Good | Mineral Oil |
| | Carbon Tetrachloride | Very Good | Moths |
| | Chlorine Based | Very Good | Mould |
| | Solvents | Very Good | Oil |
| | Diluted Acids | Good | Vegetable Oil |
| | Diluted Bases | Very Good | |

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HOSE PROTECTION – RAWHIDE NYLON HOSE SLEEVE

RH

RAWHIDE
NYLON HOSE SLEEVE



RECOMMENDED FOR:

Protection of individual hoses from severe abrasion. Provides a cost effective method of bundling hoses together, while providing abrasion resistance to the bundle. When abrasion occurs, the thousands of tiny filaments in the sleeve bulk up, to continually renew the surface.

CONSTRUCTION:

Densely woven, multi-filament nylon, tubular sleeve. Black colour. Nylon is not affected by exposure to air, water, hydraulic oil and many other fluids. The inside bore of the sleeve is smooth, allowing hose to move inside the sleeve, and allowing easy installation.

FLAME RESISTANCE:

Meets Flame Resistant Designation "U.S. MSHA" of the U.S. Department of Labor, Mine Safety and Health Administration.

TEMPERATURE RANGE:

From - 50°C to + 121°C (- 58°F to + 250°F).

SIZE SELECTION:

Choose a size that is slightly larger than the hose or hoses to be sleeved (see chart on page 156).

If sleeve is to be installed onto fitted hose assemblies, allow for the maximum outside profile of the hose fittings.

ASSEMBLY INSTRUCTIONS:

1. Cut the Nylon Hose Sleeve to length.
2. The loose fibres of the cut edges can be sealed with a heat gun or hot knife, to prevent fraying.
3. Install over hoses or hose assemblies.
4. Secure in place using cable ties, band clamps or hose clamps.

STANDARD COIL LENGTHS:

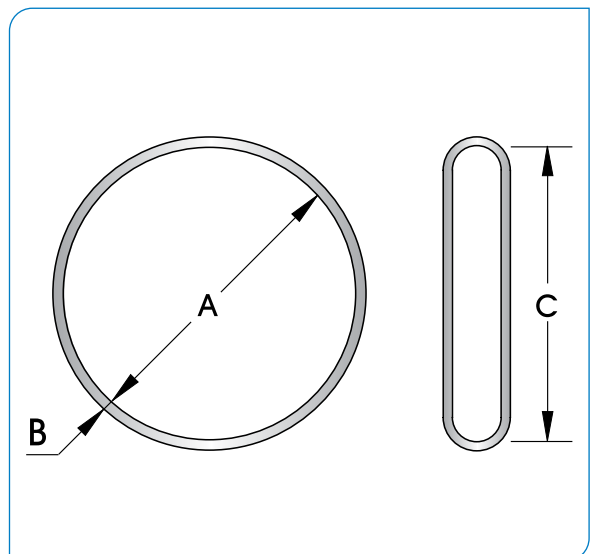
91,4 metre (300 ft) long coils; or cut lengths.



RH RAWHIDE SPECIFICATIONS

RAWHIDE NYLON HOSE SLEEVE

| PART NO | NOMINAL ID | | NOMINAL WALL THICKNESS | | NOMINAL INSIDE FLAT DIMENSION | | NOMINAL WEIGHT | |
|---------|------------|--------|------------------------|--------|-------------------------------|--------|----------------|-------|
| | A mm | A inch | B mm | B inch | C mm | C inch | kg/m | lb/ft |
| RH-23 | 22,9 | 0.90 | 2,3 | 0.09 | 29,8 | 1.41 | 0,06 | 0.03 |
| RH-27 | 26,9 | 1.06 | 2,3 | 0.09 | 39,8 | 1.67 | 0,07 | 0.04 |
| RH-31 | 31,0 | 1.22 | 2,3 | 0.09 | 49,9 | 1.92 | 0,08 | 0.05 |
| RH-36 | 36,0 | 1.42 | 2,5 | 0.10 | 56,6 | 2.23 | 0,09 | 0.06 |
| RH-46 | 46,0 | 1.81 | 2,5 | 0.10 | 72,1 | 2.84 | 0,12 | 0.08 |
| RH-56 | 55,6 | 2.19 | 2,5 | 0.10 | 87,4 | 3.44 | 0,15 | 0.10 |
| RH-61 | 60,5 | 2.38 | 2,5 | 0.10 | 95,0 | 3.74 | 0,16 | 0.11 |
| RH-67 | 66,8 | 2.63 | 2,5 | 0.10 | 104,6 | 4.12 | 0,17 | 0.12 |
| RH-73 | 73,2 | 2.88 | 2,5 | 0.10 | 115,1 | 4.53 | 0,19 | 0.13 |
| RH-93 | 93,0 | 3.66 | 2,5 | 0.10 | 146,1 | 5.75 | 0,25 | 0.17 |



NOTE: In order to function as a burst diffuser, the RCS CROCSLEEVE size recommendations stated in this chart are approximately 50% larger than the corresponding Hose OD.

RSG

POLYETHYLENE SPIRAL GUARD
RSG (BLACK), RSGY (YELLOW),
RSGF (FRAS)



INTRODUCTION

RECOMMENDED FOR:

Lightweight, cost-effective protection of hoses and cables from abrasion and impact. It can also be used to bundle hoses together in groups. RSGF meets Flame Resistance Designation “U.S. MSHA” of the US Department of Labor, Mine Safety and Health Administration.

CONSTRUCTION:

Polyethylene plastic spiral, with rounded edges to protect hose cover. RSG Black; RSGY Yellow; RSGF FRAS (Dark Grey). Polyethylene is not affected by exposure to air, water, hydraulic oil and many other fluids.

TEMPERATURE RANGE:

From -40°C to +120°C (-40°F to +248°F).

ASSEMBLY INSTRUCTIONS:

RYCO Spiral Guard can easily be applied after hose assembly because of its spiral form. Place one end of completed hose assembly in a vice. Wrap coil onto hose. It is recommended to choose RYCO Spiral Guard size so that it is a tight fit on the hose.

This will keep the Spiral Guard in place on the hose. The Spiral Guard expands to fit the hose or hose bundle. Allow extra length of Spiral Guard to allow for this expansion.

SIZE SELECTION:

The tables below show RYCO Spiral Guard size selection for a tight fit on the hose. Due to the Spiral Guard expanding to fit the hose, extra length of Spiral Guard must be allowed. This extra length can be estimated as follows:

T26A Nominal OD = 18,9 mm (see chart on page 153)
RSG-20L Nominal ID = 15,0 mm (from chart below)
Estimated length of RSG-20L to cover 2,3 metres of T26A

$$= \frac{18,9}{15,0} \times 2,3 \text{ m} = 2,90 \text{ metres}$$

HOW TO ORDER:

Complete the Part Number: **RSG-16L**, **RSGY-75L**, **RSGF-50L** etc.

Sizes -16L to -90L: 20 m (65.6 ft) coils or cut to length.

Size -110L: 10 m (32.8 ft) coils or cut to length.

HOSE

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ADAPTORS

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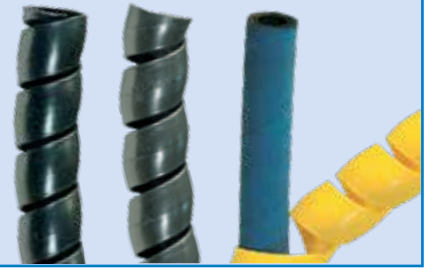
| SPIRAL GUARD | | | | | HOSE SERIES | | | | | | | | | | | | | | | | | | | |
|--------------|------------|------|------------|------|-------------|--------|----------|----------|----------|----------|----------|----------|--------|----------|----------|----------|-------|--------|----------|----------|-------|---------|-------|--------|
| DASH SIZE | NOMINAL ID | | NOMINAL OD | | T3000D/S | T3600C | T3600D/S | T4000D/S | T5000D/S | T6000D/S | H3000D/S | H4000D/S | H5000C | H5000D/S | H6000D/S | C6000D/S | DF1D | DF2D | DK1D/E/S | DK2D/E/S | EC1 | EC2 | ECP1 | E1 |
| | MM | INCH | MM | INCH | | | | | | | | | | | | | | | | | | | | |
| -12L | 9,0 | 0.35 | 13,0 | 0.51 | -4 | -4 | -4 | -4 | -4 | | | | | | | | -4 | | -4 | -4 | -4 | | -3,-4 | |
| -16L | 12,0 | 0.47 | 16,5 | 0.65 | -5,-6 | -5,-6 | -5,-6 | -5 | -5 | -4,-5 | | | | | | | -5,-6 | -4,-5 | -5,-6 | -5 | -5 | -4,-5 | -5,-6 | -4,-5 |
| -20L | 15,0 | 0.59 | 20,0 | 0.79 | -8 | | -8 | -6 | -6 | -6 | -6 | | -6 | -6 | -6 | | -8 | -6 | -8 | -6 | -6,-8 | -6 | -8 | -6 |
| -25L | 19,0 | 0.75 | 24,5 | 0.96 | -10 | -8,-10 | -10 | -8,-10 | -8 | -8 | | -8 | | -8 | -8 | -8 | -10 | -8,-10 | -10 | -8,-10 | -10 | -8 | | -8,-10 |
| -32L | 23,0 | 0.91 | 30,0 | 1.18 | -12 | -12 | -12 | -12 | | | | -10,-12 | -12 | -10,-12 | -10,-12 | -12 | -12 | -12 | -12 | -12 | -12 | -10,-12 | | -12 |
| -40L | 30,5 | 1.20 | 39,0 | 1.54 | -16 | -16 | -16 | | | | | -16 | -16 | -16 | -16 | -16 | -16 | -16 | -16 | -16 | -16 | -16 | | -16 |
| -50L | 38,0 | 1.50 | 46,5 | 1.83 | | | | | | | | -20 | -20 | -20 | -20 | | | -20 | | -20 | | | | |
| -63L | 47,0 | 1.85 | 58,0 | 2.28 | | | | | | | | -24 | -24 | | -24 | -24 | | | | | | | | |
| -75L | 61,0 | 2.40 | 73,0 | 2.87 | | | | | | | | -32 | -32 | | -32 | | | | | | | | | |
| -90L | 70,5 | 2.78 | 84,5 | 3.33 | | | | | | | | | | | -32 | | | | | | | | | |
| -110L | 84,0 | 3.31 | 99,0 | 3.90 | | | | | | | | | | | | | | | | | | | | |

HOSE

HOSE PROTECTION – RSG/RSGY/SGF SPIRAL

RSG

POLYETHYLENE SPIRAL GUARD
RSG (BLACK), RSGY (YELLOW),
RSGF (FRAS)

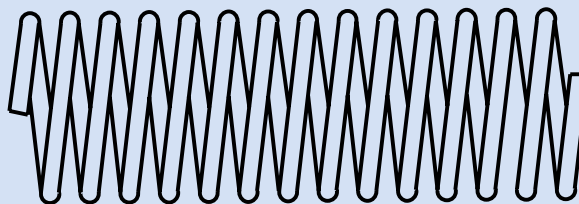


| SPIRAL GUARD | | | | | HOSE SERIES (CONT) | | | | | | | | | | | | | | | | | |
|--------------|--|--|--|--|--------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|--------------|--|--|--|--|--------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

| DASH SIZE | NOMINAL ID | | NOMINAL OD | | E2 | T1D/S | T1F | T2D/S | T2C | TXA2D | H12D/S | R4SPD | R4SPD | TJ2D | D4000D | RQP1 | RQP2 | RQP5 | RQP6 | D2B | T5 | M51000 | CS1000 | BT1 |
|-----------|------------|------|------------|------|---------|--------|--------|---------|---------|---------|--------|--------|---------|------|--------|--------|---------|---------|-------|-----|---------|---------|---------|--------|
| | MM | INCH | MM | INCH | | | | | | | | | | | | | | | | | | | | |
| -12L | 9,0 | 0.35 | 13,0 | 0.51 | | -3 | -3 | | | | | | | | | -4 | | -4 | -4 | | -4 | | | |
| -16L | 12,0 | 0.47 | 16,5 | 0.65 | -4 | -4,-5 | -4,-5 | -4 | -4 | | | | | -4 | | -5 | -4 | -5 | -5,-6 | | -5 | | | -4,-5 |
| -20L | 15,0 | 0.59 | 20,0 | 0.79 | -5,-6 | -6 | -6 | -5,-6 | -5,-6 | | -6 | | | -6 | | -6 | -5,-6 | -6,-8 | -8 | | -6,-8 | -8 | -8 | -6, |
| -25L | 19,0 | 0.75 | 24,5 | 0.96 | -8 | -8,-10 | -8,-10 | -8 | -8 | -8 | -8 | -6 | | | -8 | -8,-10 | -8 | -10 | -10 | | -10 | -10 | -10 | -8,-10 |
| -32L | 23,0 | 0.91 | 30,0 | 1.18 | -10,-12 | -12 | -12 | -10,-12 | -10,-12 | -10,-12 | -10 | -8,-10 | | | -12 | -12 | -10,-12 | -12 | -12 | | -12 | -12 | -12 | -12 |
| -40L | 30,5 | 1.20 | 39,0 | 1.54 | -16 | -16 | -16 | -16 | -16 | -16 | -12,16 | -12,16 | -12,-16 | | -16 | -16 | -16 | -16,-20 | | | -16,-20 | -16 | -16 | -16 |
| -50L | 38,0 | 1.50 | 46,5 | 1.83 | | -20 | | | -20 | | -20 | | -20 | | | | -20 | -24 | | -20 | -24 | -20,-24 | -20,-24 | |
| -63L | 47,0 | 1.85 | 58,0 | 2.28 | | -24 | | -20,-24 | -20,-24 | | -24 | | -24 | | | | -24 | -32 | | -24 | -32 | -32 | -32 | |
| -75L | 61,0 | 2.40 | 73,0 | 2.87 | | -32 | | -32 | -32 | | -32 | | -32 | | | | -32 | | | -32 | | | | |
| -90L | 70,5 | 2.78 | 84,5 | 3.33 | | | | -40 | | | -40 | | | | | | | | | | | | | |
| -110L | 84,0 | 3.31 | 99,0 | 3.90 | | | | -48 | | | | | | | | | | | | | | | | |

| DASH SIZE | NOMINAL ID | | NOMINAL OD | | SW | JS4000/G | JS4000/GX/BX | JS6000/G | JS6000/GX/BX | SRF | SRX | RTH1 | PL1D | M1 | MP1 | M2/M2G | TP7/N,T/TN TP7N | TP8T, TP8TN | TP3000 | TP6L | |
|-----------|------------|------|------------|------|---------|----------|--------------|----------|--------------|---------|-----|-------|-------|-------|--------|--------|-----------------|-------------|--------|------|--|
| | MM | INCH | MM | INCH | | | | | | | | | | | | | | | | | |
| -12L | 9,0 | 0.35 | 13,0 | 0.51 | | -4 | -4 | -4 | | | | -4,-6 | -4 | -4 | | | -4 | -4 | -4 | -2 | |
| -16L | 12,0 | 0.47 | 16,5 | 0.65 | | -5,-6 | -5 | -5 | -4,-5 | | | -8 | -5 | -5,-6 | | -4 | -5,-6 | -6 | -6 | | |
| -20L | 15,0 | 0.59 | 20,0 | 0.79 | | -8 | -6,-8 | -6,-8 | -6 | | | -10 | -6,-8 | | -4,-6 | -6 | -8 | -8 | | | |
| -25L | 19,0 | 0.75 | 24,5 | 0.96 | -6 | | | | -8 | | | -12 | -10 | | -8,-10 | -8 | | | -8 | | |
| -32L | 23,0 | 0.91 | 30,0 | 1.18 | -8 | | | | | | | -12 | -16 | -12 | | -12 | -12 | | | | |
| -40L | 30,5 | 1.20 | 39,0 | 1.54 | -12,-16 | | | | | -12 | -16 | | | | -16 | | -16 | | | | |
| -50L | 38,0 | 1.50 | 46,5 | 1.83 | | | | | | -16,-20 | -20 | | | | -20 | | | | | | |
| -63L | 47,0 | 1.85 | 58,0 | 2.28 | | | | | | -24 | -24 | | | | | | | | | | |
| -75L | 61,0 | 2.40 | 73,0 | 2.87 | | | | | | -32 | -32 | | | | | | | | | | |
| -90L | 70,5 | 2.78 | 84,5 | 3.33 | | | | | | | -40 | | | | | | | | | | |
| -110L | 84,0 | 3.31 | 99,0 | 3.90 | | | | | | | -48 | | | | | | | | | | |

RWA WIRE ARMOUR



INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

RECOMMENDED FOR:

Protection for Hose Cover in arduous operating conditions; especially against abrasion and deep gouges, thus prolonging the life of the Hose.

CONSTRUCTION:

Spring Steel Wire; galvanised for corrosion protection.

TEMPERATURE RANGE:

Suitable for use with all RYCO Hoses at their published temperature ranges.

ASSEMBLY INSTRUCTIONS:

1. Slide RWA Wire Armour over hose after first end of hose assembly is completed.
2. Then complete second end of hose assembly.

STANDARD LENGTH:

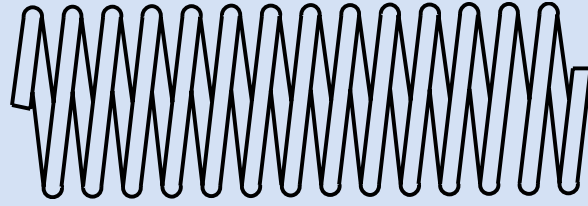
6 metres (19.7 ft) in all sizes.

| WIRE ARMOUR | | | HOSE SERIES | | | | | | | | | | | | | | | | | | | | | |
|-------------|------------|------|-------------|--------|----------|----------|----------|----------|----------|----------|--------|----------|----------|----------|-------|-------|----------|----------|--------|-------|------|----|-------|-------|
| PART NO | NOMINAL ID | | T3000D/S | T3600C | T3600D/S | T4000D/S | T5000D/S | T6000D/S | H3000D/S | H4000D/S | H5000C | H5000D/S | H6000D/S | C6000D/S | DF1D | DF2D | DK1D/E/S | DK2D/E/S | EC1 | EC2 | ECP1 | E1 | E2 | |
| | MM | INCH | | | | | | | | | | | | | | | | | | | | | | |
| RWA-12 | 12 | 0.47 | | | | | | | | | | | | | | | | | | | | | | |
| RWA-16 | 16 | 0.63 | -4,-5 | -4,-5 | -4,-5 | -4 | -4 | -4 | | | | | | | -4,-5 | -4,-5 | -5,-6 | -4,-5 | -4,-5 | -4,-5 | | | -4,-5 | -4 |
| RWA-20 | 20 | 0.78 | -6 | -6 | -6 | -5,-6 | -5,-6 | -5,-6 | | | | | | | -6,-8 | -6 | -8 | -6 | -6 | -6 | | | -6 | -5,-6 |
| RWA-21 | 21 | 0.83 | -8 | -8 | -8 | | | | | -6 | | -6 | -6 | | -10 | -8 | | -8 | -8,-10 | -8 | | | -8 | |
| RWA-23 | 23 | 0.91 | | | | -8 | -8 | 8 | | | | | | -8 | | | -10 | -10 | | | | | | -8 |
| RWA-27 | 27 | 1.06 | -10 | -10 | -10 | -10 | -10 | | | -8,-10 | | -8 | -8 | | -12 | -10 | -12 | -12 | -12 | -10 | | | -10 | -10 |
| RWA-30 | 30 | 1.19 | -12 | -12 | -12 | -12 | -12 | | | | | -10 | -10 | -12 | | -12 | | | | | -12 | | -12 | |
| RWA-31 | 31 | 1.22 | | | | | | | | | -12 | -12 | | | | | | | | | | | | -12 |
| RWA-34 | 34 | 1.34 | | | | | | | | -12 | | | -12 | | | | -16 | -16 | | | | | | |
| RWA-39 | 39 | 1.52 | -16 | -16 | -16 | | | | | -16 | -16 | -16 | -16 | -16 | -16 | -16 | -20 | | | -16 | -16 | | -16 | -16 |
| RWA-41 | 41 | 1.61 | | | | | | | | | | | | | | | | -20 | | | | | | |
| RWA-49 | 49 | 1.93 | | | | | | | | -20 | -20 | -20 | -20 | -20 | | -20 | | | | | | | | |
| RWA-56 | 56 | 2.2 | | | | | | | | -24 | -24 | | -24 | -24 | | | | | | | | | | |
| RWA-61 | 61 | 2.4 | | | | | | | | | | | | | | | | | | | | | | |
| RWA-68 | 68 | 2.68 | | | | | | | | -32 | -32 | | | | | | | | | | | | | |
| RWA-75 | 75 | 2.95 | | | | | | | | | | -32 | -32 | | | | | | | | | | | |

HOSE

HOSE PROTECTION – RWA WIRE ARMOUR

RWA
WIRE ARMOUR



WIRE ARMOUR

| PART NO | NOMINAL ID | | T1D/S | T1F | T2D/S | T2C | TXA2D | H12D/S | R4SHD | R4SPD | TJ2D | D4000D | RQP1 | RQP2 | RQP5 | RQP6 | D2B | T5 | MS1000 | CS1000 | BT1 | SW | JS4000/GX/BX |
|---------|------------|------|-------|-----|-------|-----|-------|--------|-------|-------|------|--------|-------|------|-------|-------|-----|----|--------|--------|-------|-----|--------------|
| | MM | INCH | | | | | | | | | | | | | | | | | | | | | |
| RWA-12 | 12 | 0.47 | | | | | | | | | | | | | | | | | | | | | |
| RWA-16 | 16 | 0.63 | -4,-5 | | -4 | -4 | | | | | | | -4,-5 | -4 | -4,-5 | -4,-5 | | | | | -4,-5 | | -4,-5 |
| RWA-20 | 20 | 0.78 | -6 | | -5 | -5 | | | | | -4 | | -6 | -5 | -6 | -6 | | | | | -6 | | -6 |
| RWA-21 | 21 | 0.83 | | | -6 | -6 | | | | | -6 | | | -6 | -8 | -8 | | | | | -8 | | -8 |
| RWA-23 | 23 | 0.91 | -8 | | -8 | -8 | -8 | -6 | | -6 | | | -8 | -8 | | | | | | | -8 | | -6 |
| RWA-27 | 27 | 1.06 | -10 | | -10 | -10 | -10 | -8 | | -8 | | -8 | -10 | -10 | -10 | -10 | | | | | -10 | | -8 |
| RWA-30 | 30 | 1.19 | -12 | | | | | -10 | | -10 | | | -12 | | -12 | -12 | | | | | | | -12 |
| RWA-31 | 31 | 1.22 | | | -12 | -12 | -12 | | | | | | | -12 | | | | | | | | | |
| RWA-34 | 34 | 1.34 | | | | | | -12 | -12 | -12 | | -12 | | | -16 | | | | | | -16 | | -12 |
| RWA-39 | 39 | 1.52 | -16 | | -16 | -16 | | | -16 | | | -16 | | | | | | | | | -16 | | -16 |
| RWA-41 | 41 | 1.61 | | | | | -16 | -16 | | -16 | | | | -16 | -20 | | -20 | | -20 | -20 | | | |
| RWA-49 | 49 | 1.93 | -20 | | -20 | -20 | -20 | -20 | -20 | | | | -20 | -24 | | | | | | -24 | -24 | -24 | |
| RWA-56 | 56 | 2.2 | -24 | | -24 | -24 | | -24 | -24 | -20 | | | | -24 | | | -24 | | | | | | |
| RWA-61 | 61 | 2.4 | | | | | | | | -24 | | | | | -32 | | | | | -32 | -32 | -32 | |
| RWA-68 | 68 | 2.68 | -32 | | -32 | -32 | | -32 | | | | | | -32 | | | -32 | | | | | | |
| RWA-75 | 75 | 2.95 | | | | | | | -32 | -32 | | | | | | | | | | | | | |

| PART NO | NOMINAL ID | | JS4000/GX/BX | JS6000/G | JS6000/GX/BX | SRF | SRX | RTH1 | PL1D | M1 | MP1 | M2 | M2G | TP7, TP7N | TP7T, TP7TN | TP8, TP8N | TP8T, TP8TN | TP3000 |
|---------|------------|------|--------------|----------|--------------|-----|-----|-------|-------|-------|-----|-----|-----|-----------|-------------|-----------|-------------|--------|
| | MM | INCH | | | | | | | | | | | | | | | | |
| RWA-12 | 12 | 0.47 | | | | | | -4 | | | | | | -3 | | | | |
| RWA-16 | 16 | 0.63 | -4,-5 | -4,-5 | -4 | | | -6,-8 | -4,-5 | -4,-5 | -4 | -4 | -4 | -4,-5 | | -4 | | -4 |
| RWA-20 | 20 | 0.78 | -6 | -6 | -5,-6 | | | | -6 | -6 | -6 | | | -6 | | -6 | | -6 |
| RWA-21 | 21 | 0.83 | -8 | -8 | -8 | | | -10 | -8 | | | -6 | -6 | | | -8 | | |
| RWA-23 | 23 | 0.91 | | | | | | | | | -8 | | | -8 | | | | -8 |
| RWA-27 | 27 | 1.06 | | | | | | -12 | -10 | | -10 | -8 | -8 | | -4 | | -4 | |
| RWA-30 | 30 | 1.19 | | | | | -12 | | -12 | | -12 | | | -12 | -5 | | | |
| RWA-31 | 31 | 1.22 | | | | | | -16 | | | | | | | | | | |
| RWA-34 | 34 | 1.34 | | | | | | | | | | -12 | | -6 | | -6 | | |
| RWA-39 | 39 | 1.52 | | | | -12 | -16 | | | | | | | -16 | | | | |
| RWA-41 | 41 | 1.61 | | | | -16 | | | | | | | | -8 | | -8 | | |
| RWA-49 | 49 | 1.93 | | | | -20 | -20 | | | | | | | | | | | |
| RWA-56 | 56 | 2.2 | | | | -24 | -24 | | | | | | | | | | | |
| RWA-61 | 61 | 2.4 | | | | | | | | | | | | | | | | |
| RWA-68 | 68 | 2.68 | | | | -32 | -32 | | | | | | | | | | | |
| RWA-75 | 75 | 2.95 | | | | | | | | | | | | | | | | |

RHYS PACKAGING SLEEVE



INTRODUCTION

RECOMMENDED FOR:

Packaging and protection of hose assemblies, in transit and in storage. RYCO RHYS Packaging Sleeve is installed over the finished hose assembly. The ends may be heat sealed, or folded over and stapled, or taped closed.

CONSTRUCTION:

Heavy gauge low density polyethylene clear plastic tubing; printed at intervals with “RYCO” logo, and incorporating an area for the hose assembly Part Number to be written.

ASSEMBLY INSTRUCTIONS:

1. Select correct size of RYCO RHYS Packaging Sleeve. It must be large enough to allow for the maximum outside profile of the hose couplings.
2. Two sizes are available:
3. RHYS-75 suits most hoses up to -16 (1”) hose bore.
4. RHYS-125 suits most hoses from -16 to -32 (1” to 2”) hose.
5. If required, write the hose assembly Part Number onto the Packaging Sleeve using a ball point pen.
6. Slide the hose assembly into the RHYS Packaging Sleeve.
7. Trim Packaging Sleeve to length, and seal ends.

STANDARD COIL LENGTHS:

350 metres (1,150 feet).

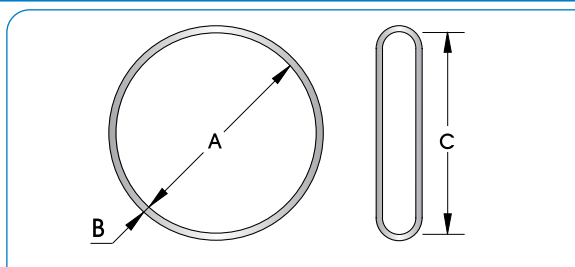
HOSE

COUPLINGS

ADAPTORS

RHYS HOSE ASSEMBLY PACKAGING SLEEVE SPECIFICATIONS

| PART NO | PACKAGING SLEEVE | | | | | | | |
|----------|------------------|--------|------------------------|--------|-------------------------------|--------|----------------|-------|
| | NOMINAL ID | | NOMINAL WALL THICKNESS | | NOMINAL INSIDE FLAT DIMENSION | | NOMINAL WEIGHT | |
| | A mm | A inch | B mm | B inch | C mm | C inch | kg/m | lb/ft |
| RHYS-75 | 48 | 1.9 | 0,15 | 0.006 | 75 | 3.0 | 0,021 | 0.014 |
| RHYS-125 | 79 | 3.1 | 0,15 | 0.006 | 125 | 5.0 | 0,035 | 0.023 |

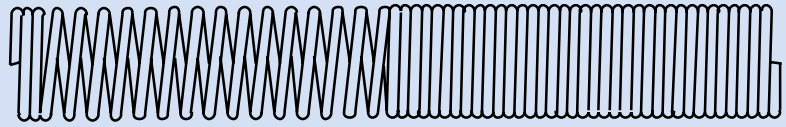


TECHNICAL

HOSE

HOSE PROTECTION – 750/760 SPRING GUARD

750/760 SPRING GUARD



RECOMMENDED FOR:

TJ24D and TJ26D Specialist Jacking Hose Assemblies, to control bend radius at end of hoses to avoid excessive strain on hose couplings. Can also be used with **E24, E26, RQP24, RQP26, T24C, T24D, T24S, T26C, T26D** and **T26S** Hoses. Can be used with **L000** Series Field Attachable and **T2000** Series BITELOK Couplings.

750 Suits some -4 (1/4") and -6 (3/8") hoses

760 Suits some -6 (3/8") hoses

CONSTRUCTION:

Spring Steel Wire; galvanised for corrosion protection.

ASSEMBLY INSTRUCTIONS:

Slide Spring Guards over the hose before assembling hose ends. After ends are assembled, twist and push Spring Guards onto the ferrules. The close pitched end of the Spring Guard goes over the ferrule, and the wide pitched end goes over the hose (as depicted in below image).



GRAM

GRAM LABEL

000PN1806280001

RYCO HYDRAULICS PTY LTD
28 JUN 2018
GRAM PUMP
HATS008D000123
H123-01
RYCO HYDRAULICS PTY LTD

RECOMMENDED FOR:

Permanent identification of hose assemblies. QRAM Hose Tags enable hose assembly information to be attached to the hose assembly in a cost effective manner.

Information can be printed on the Hose Tag prior to being attached to the hose. When the Hose Tag is wrapped on the hose, a clear panel at the end of the tag wraps over to protect the written or printed information.

Hose Tag remains in position on the hose due to the adhesive backing, and the Hose Tag bends with the hose, ensuring that flexibility is not affected.

The slim profile of the attached Hose Tag reduces the risk of accidental removal. Hose Tag does not damage or cut the cover of the hose.

CONSTRUCTION:

Heat, oil, ozone, sunlight, and weather resistant high performance plastic.

Adhesive-backed for permanent attachment to the hose assembly. Area to write or print information, with a clear panel that wraps over to protect the hose assembly identification information.

TEMPERATURE RANGE:

Suitable for use with all RYCO Hoses at their published temperature ranges.

ASSEMBLY INSTRUCTIONS:

1. Two sizes are available:
2. QRAM-S suits hose sizes -04 to -20 (1/4" to 1 1/4").
3. QRAM-L suits hose sizes -12 to -32 (3/4" to 2").
4. Remove the release paper from the back of the Hose Tag to expose the adhesive.
5. While ensuring that the Hose Tag is parallel to the axis of the hose, wrap the Hose Tag tightly around the hose, then continue to wrap the clear plastic panel over the Hose Tag.
6. Press firmly to ensure that the adhesive bonds.

| GRAM HOSE TAGS SPECIFICATIONS | | | | |
|-------------------------------|--------------------------|---------------|------------|----------------|
| PART NO | SUITS HOSE SIZE ID RANGE | | | SIZE |
| | DN | INCH | DASH | |
| GRAM-S (Small) | 6 to 31 | 1/4 to 1.1/4" | -04 to -20 | 50mm x 174.5mm |
| GRAM-L (Large) | 12 to 51 | 3/4 to 2" | -12 to -32 | 50mm x 279.5mm |

Contact RYCO for further information.



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INTRODUCTION

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HOSE

HOSE TRACKING – RHYT HOSE TAG

RHYT/ RHWT HOSE TAG



RECOMMENDED FOR:

Permanent identification of hose assemblies. RYCO Hose Tags enable hose assembly information to be attached to the hose assembly in a cost effective manner.

Two sizes of Hose Tags allow all common hose sizes to be tagged.

Information can be written or printed on the Hose Tag prior to being attached to the hose. When the Hose Tag is wrapped on the hose, a clear panel at the end of the tag wraps over to protect the written or printed information.

Hose Tag remains in position on the hose due to the adhesive backing, and the Hose Tag bends with the hose, ensuring that flexibility is not affected.

The slim profile of the attached Hose Tag reduces the risk of accidental removal. Hose Tag does not damage or cut the cover of the hose.

CONSTRUCTION:

Heat, oil, ozone, sunlight, and weather resistant high performance plastic.

Adhesive-backed for permanent attachment to the hose assembly. Area to write or print information, with a clear panel that wraps over to protect the hose assembly identification information.

TEMPERATURE RANGE:

Suitable for use with all RYCO Hoses at their published temperature ranges.

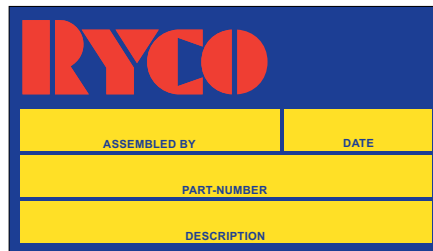
ASSEMBLY INSTRUCTIONS:

1. Select correct size of RYCO RHYT Hose Tag for the hose assembly that is to be identified.
2. Two sizes are available:
3. **RHYT-10** and **RHWT-10** suits hose sizes -04 to -10 (1/4" to 5/8").
4. **RHYT-32** and **RHWT-32** suits hose sizes -12 to -32 (3/4" to 2").
5. Using a ball point pen or label printer, apply the required information onto the Hose Tag.
6. Remove the release paper from the back of the Hose Tag to expose the adhesive.
7. While ensuring that the Hose Tag is parallel to the axis of the hose, wrap the Hose Tag tightly around the hose, then continue to wrap the clear plastic panel over the Hose Tag.
8. Press firmly to ensure that the adhesive bonds.

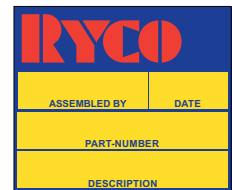
RHYT HOSE TAGS SPECIFICATIONS

| RHYT/RHWT HOSE TAGS | | | |
|---------------------|--------------------------|------------|------------|
| PART NO | SUITS HOSE SIZE ID RANGE | | |
| | DN | INCH | DASH |
| RHYT-10 | 6 to 16 | 1/4 to 5/8 | -04 to -10 |
| RHYT-32 | 12 to 51 | 3/4 to 2 | -12 to -32 |
| RHWT-10 | 6 to 16 | 1/4 to 5/8 | -04 to -10 |
| RHWT-32 | 12 to 51 | 3/4 to 2 | -12 to -32 |

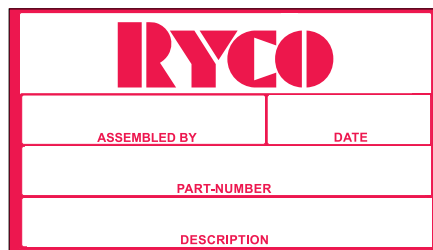
Contact RYCO for further information.



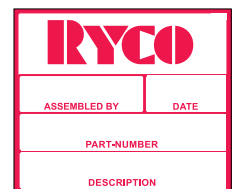
RHYT-32



RHYT-10



RHWT-32



RHWT-10

HOW TO ORDER RYCO HYDRAULIC HOSE

SEE PAGES 467 AND 468 FOR "HOW TO ORDER HOSE ASSEMBLIES".

Coil length of RYCO Hydraulic Hose varies according to Hose Series and Size.

Wire braid, textile braid and spiral wire reinforced hydraulic hoses are in most cases manufactured in long lengths on flexible mandrels, which results in coils of hose of different lengths. These hoses are produced and supplied in random lengths.

SRF and SRX Suction Hoses are manufactured on rigid mandrels of a specified length.

SRF and SRX Hose 20 metres (65.6 ft)

If hose is part of a general stock order, every effort will be made to supply length closest to length ordered, but length supplied may be shorter or longer than length ordered. If ordering "a coil" of hose, please specify the length required. If a specific cut length is required, this must be specified when ordering, e.g. 19,5 metres exact length and may be subject to surcharge.

Shown in the table below is the availability of RYCO Hydraulic Hose in Coils (C), and on Reels (R) or in Bulk Cartons (B).

Details of average quantities packed on reels (or in cartons) and their dimensions are available from RYCO on request.

| HOSE SIZE | | HOSE SERIES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|--------|-------------|--------|----------|----------|----------|----------|----------|--------|----------|----------|--------|--------|------|------|----------|----------|-------|------|-----|-----|-------|-----|-------|-----|-------|--------|-------|-------|------|--------|-------|------|------|-----|-----|--|
| DASH | INCH | T3000D/S | T3600C | T4000D/S | T5000D/S | T6000D/S | H3000D/S | H4000D/S | H5000C | H5000D/S | H6000D/S | C6000D | C6000S | DF1D | DF2D | DK1D/E/S | DK2D/E/S | EC1/2 | ECP1 | E1 | E2 | T1D/S | T1F | T2D/S | T2C | TXA2D | H12D/S | R4SPD | R4SHD | TJ2D | D4000D | RQP1 | RQP2 | RQP5 | | | |
| -03 | 3/16" | | | | | | | | | | | | | | | | | | | | | R | R,C | | | | | | | | | | | | | | |
| -04 | 1/4" | R,C | R,C | R,C | R,C | R,C | | | | | | | | R,C | R,C | R,C | R,C | R,C | | R,C | R,C | R,C | R,C | R,C | R,C | | | | | | R,C | | R,C | R,C | R,C | | |
| -05 | 5/16" | R,C | R,C | R,C | R,C | R,C | | | | | | | | R,C | R,C | R,C | R,C | R,C | | R,C | R,C | R,C | R,C | R,C | R,C | | | | | R,C | | R,C | R,C | R,C | R,C | | |
| -06 | 3/8" | R,C | R,C | R,C | R,C | R,C | | R,C | | R,C | R,C | | | R,C | R,C | R,C | R,C | R,C | | R,C | R,C | R,C | R,C | R,C | R,C | | R,C | R,C | R,C | | | R,C | R,C | R,C | R,C | | |
| -08 | 1/2" | R,C | R,C | R,C | R,C | | | R,C | | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | | R,C | R,C | R,C | R,C | R,C | R,C | R,C | | R,C | R,C | R,C | R,C | | R,C | R,C | R,C | R,C | |
| -10 | 5/8" | R,C | R,C | R,C | | | | R,C,B | | R,C,B | R,C | | | R,C | R,C | R,C | R,C | R,C | | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | | | R,C | R,C | R,C | R,C | | |
| -12 | 3/4" | R,C | R,C | R,C | | | | R,C,B | R,C | R,C,B | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | | R,C,B | R,C | R,C | R,C | R,C | |
| -16 | 1" | R,C | R,C | | | | | R,C,B | R,C | R,C,B | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | | R,C,B | R,C | R,C | R,C | R,C | |
| -20 | 1.1/4" | | | | | | B | B | B | B | B | | | | | | | | | | | B | B | B | B | B | B | B | | | | | | | B | B | |
| -24 | 1.1/2" | | | | | | B | B | | B | B | | | | | | | | | | | B | B | B | B | B | B | B | | | | | | | B | B | |
| -32 | 2" | | | | | | B | B | | B | B | | | | | | | | | | | B | B | B | B | B | B | B | | | | | | | B | B | |
| -40 | 2.1/2" | | | | | | | | | | | | | | | | | | | | | | | B | B | B | B | B | | | | | | | | | |
| -48 | 3" | | | | | | | | | | | | | | | | | | | | | | | B | B | B | B | B | | | | | | | | | |

| HOSE SIZE | | HOSE SERIES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|--------|-------------|-----|-----|--------|--------|-----|-----|----------------|----------------|-----|-----|------|------|-----|-----|-----|-----|-----|------|---------|-----|------|------|-------|--------|-----|-----|--|--|--|--|--|--|--|--|
| DASH | INCH | RQP6 | D2B | T5 | MS1000 | CS1000 | BT1 | SW | JS4000/G/GX/BX | JS6000/G/GX/BX | SRF | SRX | RTH1 | PL1D | M1 | MP1 | M2 | M2G | TP7 | TP7N | TP7T/TN | TP8 | TP8N | TP8T | TP8TN | TP3000 | | | | | | | | | | |
| -03 | 3/16" | | | | | | | | | | | | | | R,C | | | | | R,B | | | | | | | | | | | | | | | | |
| -04 | 1/4" | R,C | | R,C | | | R,C | | | R,C | | | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | | | | | | | | |
| -05 | 5/16" | R,C | | R,C | | | R,C | | R,C | R,C | | | R,C | R,C | R,C | | R,C | | R,C | | R,C | | | | | | | | | | | | | | | |
| -06 | 3/8" | R,C | | R,C | | | R,C | R,C | R,C,B | R,C | | | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | | | | | | | | |
| -08 | 1/2" | R,C | | R,C | R,C | R,C | R,C | R,C | R,C | R,C | | | R,C | R,C | | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | R,C | | | | | | | | |
| -10 | 5/8" | R,C | | R,C | R,C | R,C | R,C | | R,C | | | | R,C | R,C | | R,C | | | | | | | | | | | | | | | | | | | | |
| -12 | 3/4" | R,C | | R,C | R,C | R,C | R,C | R,C | R,C | | | | R,C | R,C | | R,C | R,C | R,C | R,C | R,C | R,C | | | | | | | | | | | | | | | |
| -16 | 1" | | | R,C | R,C | R,C | R,C | R,C | R,C | | | | R,C | R,C | | R,C | R,C | | R,C | R,C | | | | | | | | | | | | | | | | |
| -20 | 1.1/4" | | B | B | B | B | | | | | | | | | | B | | | | | | | | | | | | | | | | | | | | |
| -24 | 1.1/2" | | B | B | B | B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -32 | 2" | | B | B | B | B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -40 | 2.1/2" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -48 | 3" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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THIS SECTION IS ARRANGED IN THE FOLLOWING COUPLING SERIES ORDER:

| PAGES | COUPLING SERIES | APPLICATION |
|-----------------------------------|--|--|
| ONE-PIECE CRIMP COUPLINGS | | |
| 189 to 234 | T2000 | One-Piece Crimp for Wire Braid Hose T3000D, T3000S, T3600D, T3600S, T4000D, T4000S, T5000D, T5000S, T6000D, T6000S, DF1D, DF2D, DK1D, DK1E, DK1S, DK2D, DK2E, DK2S, EC1, EC2, E1, E2, T1D, T1F, T1S, T2D, T2S, T2C, TXA2D, RQP1, RQP2, TW1, PW2, BT1, TJ2D, CS1000, JS4000, JS6000 and MS1000. |
| 235 to 251 | T4000 | Suction & Return – SRF, SRX. Speciality & High Temperature – T5, RQP5, RQP6. Textile Braid – M2, M2G, MP1, PL1D, PL1PV. |
| 252 to 273 | T6000 | ISOBARIC Spiral – H5000D/S/C, H6000D/S. |
| 274 to 304 | T7000 | ISOBARIC Spiral - H3000D/S, H4000D/S, H5000D/S/C, H6000D/S, C6000D, H12D/S, R4SPD, R4SHD. Braid – E2, T2D/C, TXA2D, Speciality & High Temperature – D2B, RQP2. |
| 305 to 318 | TP000 | Thermoplastic – TP7, TP7N, TP7T, TP7TN, TP8, TP8N, TP8T, TP8TN, TP3000. |
| 319 to 322 | TT000 | TEFLON® - RTH1. |
| 323 to 324 | TG000 | GREASELINE - TPGL. |
| 325 | TW4000 | SHOCKWAVE |
| FIELD ATTACHABLE COUPLINGS | | |
| 326 to 333 | 8000 | Textile Braid – PL1D, PL1PV. Speciality & High Temperature – RQP6. |
| 334 to 340 | 33000 | Suction & Return – SRF, SRX. |
| 341 to 354 | 6000 & V000 | Speciality & High Temperature – RQP5, T5. |
| 355 to 387 | 6000 & K000, L000, M000, P000 | Braid – E1, E2, T1D, T1F, T2D, TXA2D. Speciality & High Temperature – BT1, RQP1, RQP2. Textile Braid – M2, M2G. GREASELINE - TPGL. |
| TWO INDEXES FOLLOW: | | |
| 174 to 182 | — | Pictorial Index. |
| 183 to 187 | — | Index by End Style Number & Coupling Series. |

WITHIN EACH COUPLING SERIES THE LISTING ORDER IS ALPHABETICAL* BY THREAD OR CONNECTOR TYPE:

- BSP (BSPT, BSPP, BSPO, BSPP ENCAPSULATED SEAL, BSPP O RING, BANJO)
- NPT* (NPT, NPTF, NPSM)
- GREASELINE
- JSEAL™ / JIC
- JIS (BSP, METRIC)
- JOINER
- METRIC (DKL, DKOL, DKS, DKOS, JIS, BANJO)
- ORFS
- PW
- RYCOLOK, SUPERLOK
- RYCO WEO
- SAE (Thread, then Flange)
- SALVAGE
- STANDPIPE
- TUBE BITE
- UNO (O RING BOSS)
- Hammer Union (wing union)

*NOTE: NPT is not in strict alphabetical order. NPT is similar in concept to BSP therefore has been placed directly after BSP.

WITHIN EACH ALPHABETICAL THREAD OR CONNECTOR TYPE, THE LISTING ORDER IS:

- MALE
- FEMALE
- SPECIAL FEATURES (live swivel, etc)
- SPECIAL SEATS (flat, concave, etc)
- ELBOWS (45° then 90°)
- TUBE BENDS (in increasing degree of bend from 10° to 110°)

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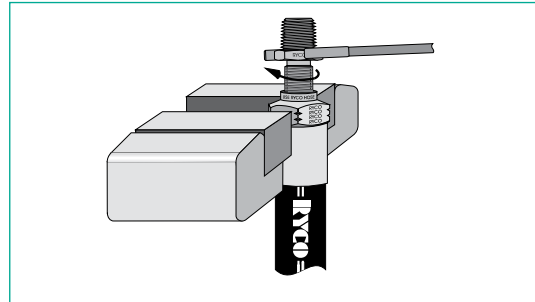
RYCO Hydraulics manufacture hose couplings in many different styles and sizes to match each RYCO hose series, with a wide range of thread and connection types.

Hose Couplings must be carefully matched to the hose. When the hose for an application has been selected, it is crucial that the couplings to be fitted are designed specifically for that hose. This information is listed in this RYCO PRODUCT TECHNICAL MANUAL on the pages for each Hose Series, and also on the pages for each Coupling Series.

HOSE COUPLINGS CAN BE BROADLY DIVIDED INTO TWO TYPES:

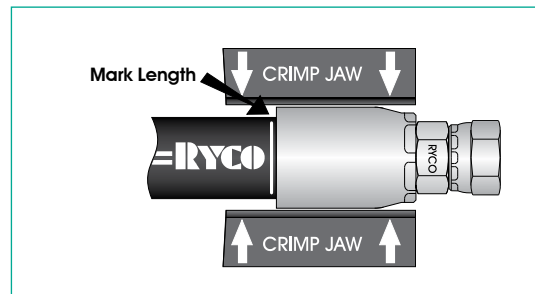
1) FIELD ATTACHABLE COUPLINGS

Attached to the hose using commonly available hand tools. Push-On Hose Couplings and Suction and Return Hose Couplings are often classed as Field Attachable couplings.



2) CRIMP, OR SWAGE, COUPLINGS

Permanently attached to the hose using a crimping, or swaging, machine.



DO NOT MIX / MATCH HOSE AND COUPLINGS FROM DIFFERENT MANUFACTURERS.

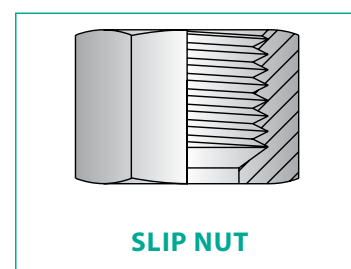
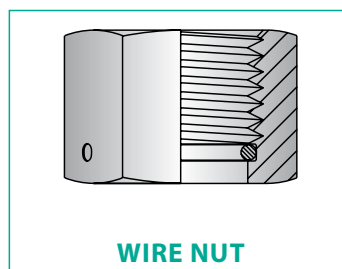
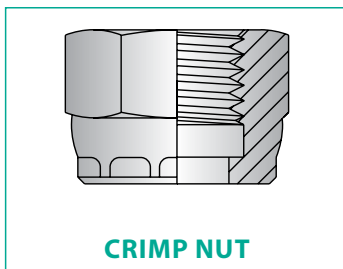
It is critical that the hose and coupling manufacturer are the same and that they are assembled using the manufacturer's recommended equipment, components and procedures.

Female Swivel Nut fittings are typically illustrated as "Crimp Nut", except T7020H.

Generally, RYCO Fittings are as follows:

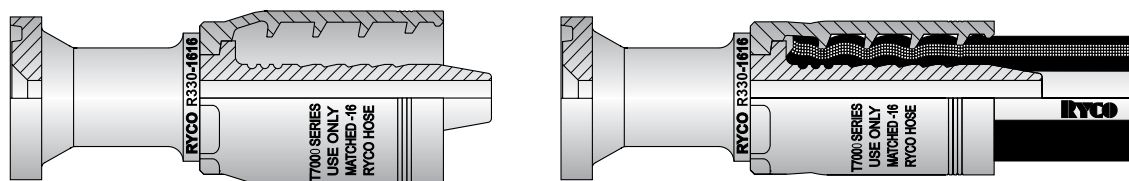
1. BSPP, NPSM, JIC, JIS, ORFS and SAE nuts are "Crimp Nut" up to and including 1" Hose Size; and "Wire Nut" 1.1/4" to 2" Hose Size.
2. PW and SAE Inverted Flare Male nuts are always "Slip Nut."
3. JSEAL™, Metric DKL, DKOL, DKS and DKOS nuts are generally "Slip Nut" where possible and "Wire/Crimp Nut" on jump sizes.
4. T7022 is "Wire Nut".

There are many exceptions to these general rules; for precise information, contact RYCO.



ONE-PIECE CRIMP COUPLINGS

RYCO Crimp Couplings are permanently attached fittings, assembled onto the hose with a swaging press.



RYCO One-Piece Crimp Couplings have the ferrule already attached to the hose insert at the factory. This eliminates the possibility of selecting the wrong ferrule type when fabricating hose assemblies, which can cause failure of the assembly.

Each One-Piece Crimp Coupling Series suits specific styles of hose, as shown in the table below. T2000, T4000, T6000, T7000, TP000 and TT000 One-Piece Crimp Couplings Series can be used on more than one hose style - only the finished crimp diameter changes.

One-Piece Crimp couplings eliminate the need to "skive" the cover off the hose before attaching the couplings - even for Spiral reinforced hoses. This makes assembly simple, quick and efficient. Simply push the coupling onto the hose to the correct mark length, and crimp the ferrule. The teeth inside the ferrule BITE down though the cover to LOK onto the reinforcement wires*.

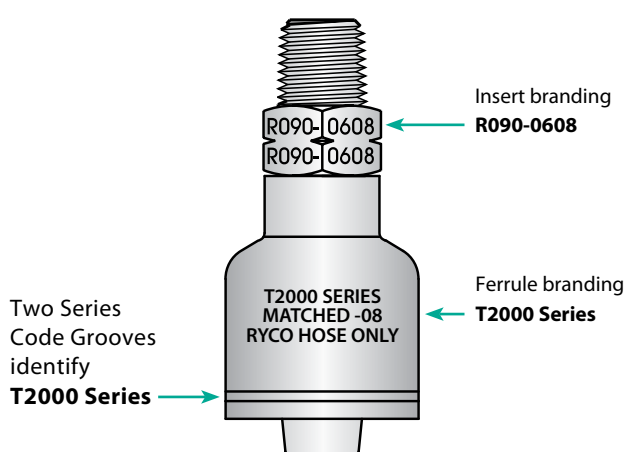
* T4000 Series for One and Two Braid Textile reinforced hoses do not bite down to the textile reinforcement.

RYCO T2000, T4000, T6000, T7000 SERIES COUPLINGS

Branding of T2000, T4000, T6000 and T7000 Couplings shows a universal prefix "R".

T2000 has two grooves, T4000 has three grooves and T6000 has six grooves (three at the top and three at the bottom of the ferrule) branded on the ferrule (body) of the Couplings signifying their series designation, T7000 has four grooves.

T2000 EXAMPLE

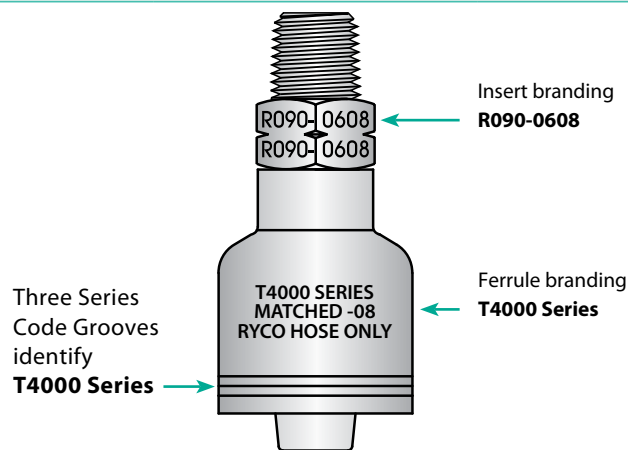


To complete the Part Number for Coupling:
Insert Part Branding is **R090-0608**

Series is **T2000** (from **T2000** Ferrule Branding or Two Series Code Grooves)

Simply replace "R" of Insert Part Branding with "T2" (first two characters of Series): **T2090-0608**

T4000 EXAMPLE



To complete the Part Number for Coupling:
Insert Part Branding is **R090-0608**

Series is **T4000** (from **T4000** Ferrule Branding or Three Series Code Grooves)

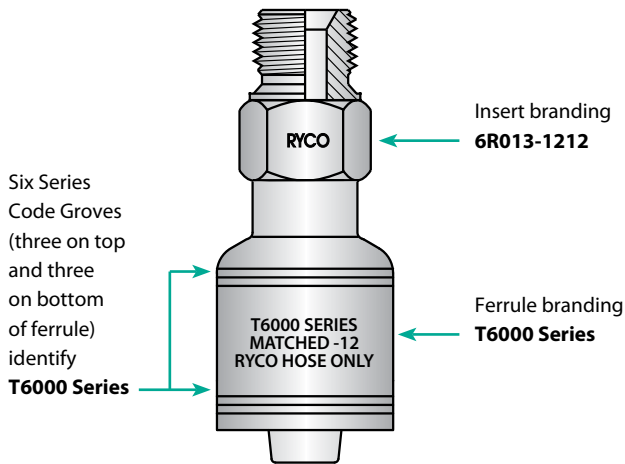
Simply replace "R" of Insert Part Branding with "T4" (first two characters of Series): **T4090-0608**

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RYCO T2000, T4000, T6000 AND T7000 SERIES COUPLINGS (CONT)

T6000 EXAMPLE

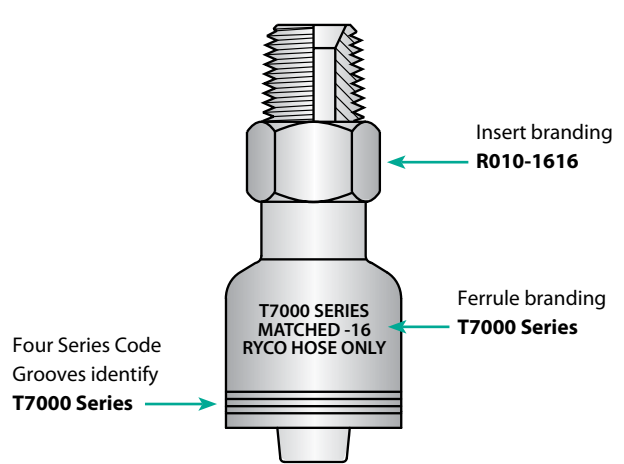


To complete the Part Number for Coupling:
Insert Part Branding is **6R013-1212**

Series is **T6000** (from Six Series Code Groove, three at each end)

Simply replace "R" of Insert Part Branding with "T6"
(first two characters of Series): **T6013-1212**

T7000 EXAMPLE



To complete the Part Number for Coupling:
Insert Part Branding is **R010-1616**

Series is **T7000** (from **T7000** Ferrule Branding or Four Series Code Grooves)

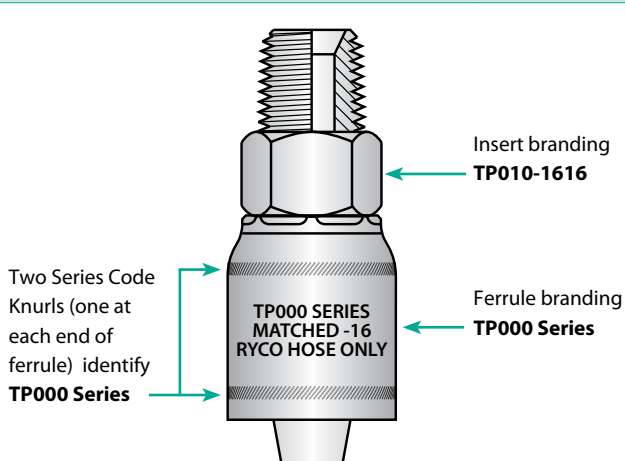
Simply replace "R" of Insert Part Branding with "T7"
(first two characters of Series): **T7010-1616**

RYCO TP000, TT000 SERIES COUPLINGS

Branding of TP000 and TT000 Couplings shows a universal prefix "R".

TP000 has two knurls, TT000 has four grooves branded on the ferrule (body) of the Couplings signifying their series designation.

TP000 EXAMPLE

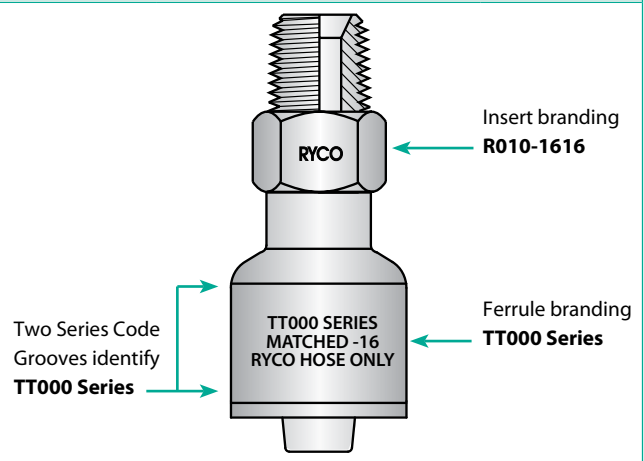


To complete the Part Number for Coupling:
Insert Part Branding is **TP010-1616**

Series is **TP000** (from **TP000** Ferrule Branding or Two Series Code Knurls)

Simply replace "R" of Insert Part Branding with "TP"
(first two characters of Series): **TP010-1616**

TT000 EXAMPLE



To complete the Part Number for Coupling:
Insert Part Branding is **R010-1616**

Series is **TT000** (from **TT000** Ferrule Branding or Four Series Code Grooves)

Simply replace "R" of Insert Part Branding with "TT"
(first two characters of Series): **TT010-1616**

| SERIES | SUITS HOSE TYPE | RYCO HOSE SERIES AND SIZES |
|-------------------------------------|--|---|
| T2000 Pages 189 to 234 | One and two wire braided hoses. TWO SERIES CODE GROOVES (at end of ferrule). | For RYCO Hose Series, T3000D/S, T3600D/S (sizes -04 to -16). For RYCO Hose Series T4000D/S (sizes -04 to -12). For RYCO Hose Series T5000D/S (sizes -04 to -08). For RYCO Hose Series T6000D/S (sizes -04 to -06). For RYCO Hose Series T1D/S (sizes -03 to -32). For RYCO Hose Series RQP1 (sizes -04 to -16). For RYCO Hose Series E1 (sizes -03 to -32). For RYCO Hose Series T3 (sizes -04 to -16). For RYCO Hose Series T2D/S (sizes -04 to -48). For RYCO Hose Series TJD (sizes -24 to -26). For RYCO Hose Series T2C (sizes -04 to -32). For RYCO Hose Series E2/C (sizes -03 to -16). For RYCO Hose Series DF2D (sizes -04 to -20). For RYCO Hose Series D2B (sizes -24 to -32). For RYCO Hose Series JS4000/B/G/BX/GX (sizes -04 to -08). For RYCO Hose Series JS6000/B/G/BX/GX (sizes -04 to -08). For RYCO Hose Series TW (sizes -04 to -08). For RYCO Hose Series PW (sizes -04 to -06). For RYCO Hose Series BT1 (sizes -04 to -16). For RYCO Hose Series MS1000 (sizes -08 to -32). |
| T4000 Pages 235 to 251 | Some one and two textile braided hoses and some speciality hoses. THREE SERIES CODE GROOVES (at end of ferrule). | For RYCO Hose Series SRF, SRX (sizes -12 to -48). For RYCO Hose Series RT7/T/7N/7TN (sizes -02 to -12). For RYCO Hose Series T5, RQP5 (sizes -04 to -32). For RYCO Hose Series MP1 (sizes -04 to -20). For RYCO Hose Series M2/G, PL1D, PL1PV (sizes -04 to -12). |
| T6000 Pages 252 to 273 | Selected spiral hoses. TWO SETS OF THREE SERIES CODE GROOVES (one at each end of ferrule). | For RYCO Hose Series H5000 (sizes -24 to -32). For RYCO Hose Series H6000 (sizes -12 to -32). |
| T7000 Pages 274 to 304 | Selected spiral hoses and some one and two wire braided hoses. FOUR SERIES CODE GROOVES (at end of ferrule). | For RYCO Hose Series H3000D/S (sizes -20 to -32). For RYCO Hose Series H4000D/S (sizes -06 to -32). For RYCO Hose Series H5000D/S (sizes -06 to -24). For RYCO Hose Series H6000D/S (sizes -06 to -20). For RYCO Hose Series T2D/S/C (sizes -06 to -32). For RYCO Hose Series E2, HSPD (sizes -06 to -16). For RYCO Hose Series H12D/S (sizes -06 to -20). For RYCO Hose Series R4SH, HSHD (sizes -20 to -32). For RYCO Hose Series T2, TXA2D, RQP2 (sizes -06 to -32). For RYCO Hose Series D2B (sizes -24 to -32). For RYCO Hose Series R4SP (cover must be skived) (all sizes). |
| TP000 Pages 305 to 318 | Thermoplastic hoses. TWO SERIES CODE KNURLS (one at each end of ferrule). | For RYCO Hose Series TP7, TP7N, TP7T, TP7TN, TP8, TP8N, TP8T, TP8TN, TP3000 (all sizes). |
| TT000 Pages 319 to 322 | TEFLON® hoses. TWO SERIES CODE GROOVES (one at each end of ferrule). | For RYCO Hose Series RTH1(all sizes). |
| TG000 Pages 321 to 322 | Greasing and lubrication hoses. ONE SERIES CODE KNURL (at end of ferrule). | For RYCO Thermoplastic grease line hoses - TPGL (all sizes). |
| TW4000 Page 323 | SHOCKWAVE hoses. FOUR SERIES CODE GROOVES (at end of ferrule). | For RYCO Hose Series SHOCKWAVE (all sizes). |

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| T4010 P235 | T4013 P235 | T4320 P235 | | | T4090 P238 | | |
| T6010 P252 | T6013 P252 | | T6090 P254 | | | T6091 P254 | |
| T7010 P274 | T7014 P274 | T7013 P275 | | T7090 P279 | | T7091 P279 | |
| TP010 P305 | | | | TP475 P307 | | TP090 P308 | |
| TT010 P319 | | | | TT320 P319 | | TT090 P322 | |



| | | | | | | | | |
|-----------|-----------------|-----------|------------------------|--------------------------------|------------------|-----------|----------|-------------------|
| BSPT MALE | BSPT MALE HEAVY | BSPP MALE | BSPP MALE CAPTIVE SEAL | BSP MALE 60° CONVEX SEAT (JIS) | BSPT MALE SWIVEL | BSP BANJO | NPT MALE | NPT MALE EXTENDED |
|-----------|-----------------|-----------|------------------------|--------------------------------|------------------|-----------|----------|-------------------|

MALE STRAIGHT cont'd

| | | | | | | | | |
|-------------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| T2320N P200 | T2030/31 P202 | T2039 P207 | T2650 P210 | T2630 P215 | T2470 P219 | T2840 P220 | T2950 P223 | T2480 P225 |
| T4320N P238 | T4030/31 P239 | | T4840 P245 | | | | | |
| T6030/31 P254 | | | T6630 P257 | | T6840 P258 | | T6480 P258 | |
| T7030/31 P280 | | | | T7630 P286 | | T7840 P288 | | T7480 P291 |
| TP030/31 P309 | | T7039 P281 | TP650 P312 | TP630 P314 | TP470 P315 | | | |
| TT030/31 P320 | | | | | | | | |



| | | | | | | | | |
|-----------------|----------|-----------------------|--------------------------|--------------------------|--------------|-----------|--------------------|---------------|
| NPT MALE SWIVEL | JIC MALE | JIC MALE SWIVEL JOINT | METRIC DKL MALE 24° CONE | METRIC DKS MALE 24° CONE | METRIC BANJO | ORFS MALE | PW GUN HANDLE TUBE | RYCO WEO MALE |
|-----------------|----------|-----------------------|--------------------------|--------------------------|--------------|-----------|--------------------|---------------|

MALE STRAIGHT cont'd

| | | | | | | |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| T2870 P224 | T2530 P226 | T2740 P227 | T2200 P233 | T2380 P233 | T2482 P225 | T2871 P224 |
| T4870 P249 | T4530 P247 | T4740 P248 | T4200 P251 | | | |
| T6870 P259 | | T6876 P259 | | T6871 P259 | | |
| T7870 P290 | T7876 P290 | T7200 P304 | | | T7482 P291 | T7871 P290 |



MALE 45°

| | | | | | | | |
|--------------|---------------|----------|-------------------------|------------------------------|-------------------------------------|-----------------------------|------------------------|
| RYCOLOK MALE | SUPERLOK MALE | SAE MALE | SAE INVERTED MALE FLARE | UN O RING MALE (O RING BOSS) | UN O RING MALE SWIVEL (O RING BOSS) | RYCO WEO MALE 45° TUBE BEND | RYCOLOK MALE 45° ELBOW |
|--------------|---------------|----------|-------------------------|------------------------------|-------------------------------------|-----------------------------|------------------------|

MALE 45°, 60° & 90°

| | | | | | | | | |
|-----------------------|----------------------|----------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| T2750 P228 | T2760 P228 | T2340 P193 | T2340N P200 | T2483 P225 | T2872 P224 | T2780 P228 | T2790 P228 | T2770 P228 |
| T4750 P248 | | T4340 P236 | | | T6872 P259 | | | |
| | | | | T7483 P291 | T7872 P290 | | | |
| TP340N P308 | | | | | | | | |



| | | | | | | | | |
|---------------------------------------|---------------------------------------|----------------------------|---------------------------|-----------------------------|------------------------|-----------------------------------|--|---------------------------------------|
| SAE INVERTED MALE FLARE 45° TUBE BEND | SAE INVERTED MALE FLARE 60° TUBE BEND | BSPT MALE SWIVEL 90° ELBOW | NPT MALE SWIVEL 90° ELBOW | RYCO WEO MALE 90° TUBE BEND | RYCOLOK MALE 90° ELBOW | SAE INVERTED MALE FLARE 90° ELBOW | SAE INVERTED MALE FLARE 90° EXTENDED ELBOW | SAE INVERTED MALE FLARE 90° TUBE BEND |
|---------------------------------------|---------------------------------------|----------------------------|---------------------------|-----------------------------|------------------------|-----------------------------------|--|---------------------------------------|

FEMALE STRAIGHT

| | | | | | | | | |
|----------------------|----------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|
| T2390 P234 | T2020 P207 | T2028B P194 | | T2024 P194 | T2122 P207 | T2027 P197 | T2190 P201 | T2020N P201 |
| | T4020 P236 | | | | T4122 P243 | | | T4020N P238 |
| | T6020 P253 | | T6022 P253 | | | | | T6020N P252 |
| | T7020 P275 | | T7022 P275 | | T7122 P284 | T7027 P277 | | T7020N P280 |
| | TP020 P306 | | | | TP122 P306 | | | TP020N P309 |
| | TT020 P319 | | | | | | | |



| | | | | | | | | |
|---|----------------|-------------------------------|-------------------------|-----------------------------|--|----------------|---------------------|----------------|
| UN O RING MALE SWIVEL (O RING BOSS) | BSPP FEMALE | BSPP FEMALE LIVE SWIVEL | BSPP FEMALE HEAVY | BSPP FEMALE FLAT FACE | BSPP FEMALE 60° CONCAVE SEAT (JIS) | BSPO FEMALE | NPT FEMALE FIXED | NPSM FEMALE |
|---|----------------|-------------------------------|-------------------------|-----------------------------|--|----------------|---------------------|----------------|

FEMALE STRAIGHT cont'd

| | | | | | | | | |
|----------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| T2861 P202 | T2040/41 P203 | T2044 P207 | | T2600 P212 | T2610 P212 | T2501 P213 | T2711 P216 | T2680 P208 |
| | T4040/41 P240 | | | T4600 P243 | | T4501 P244 | | |
| | T6040 P255 | | T6045 P255 | | | | T6711 P257 | |
| | T7040/41 P281 | T7044 P281 | T7045 P282 | | | T7501 P285 | T7711 P287 | T7680 P284 |
| | TP040/41 P310 | | | TP600 | | TP501 P313 | TP711 P314 | |
| | TT040/41 P321 | | | TT600 P322 | | | | |



| | | | | | | | | |
|-----------------------------|------------------------|-------------------------------|--------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|-----------------------------------|--|
| GREASE LINE FIXED FEMALE | JSEAL™ / JIC FEMALE | JIC FEMALE SWIVEL JOINT | JIC FEMALE HIGH PRESSURE | METRIC DKL FEMALE 24°/60° CONE | METRIC DKM FEMALE 60° BALL SEAT | METRIC DKOL FEMALE 24° CONE | METRIC DKOS FEMALE 24° CONE | METRIC FEMALE 60° CONCAVE SEAT (JIS) |
|-----------------------------|------------------------|-------------------------------|--------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|-----------------------------------|--|

FEMALE STRAIGHT cont'd & FEMALE 45°

| | | | | | | | | |
|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|
| T2800/01 P221 | T2540 P227 | T2940 P223 | T2060 P195 | T2080/81 P204 | T2580 P227 | T2270 P196 | T2277 P198 | T2250/51 P205 |
| T4800/01 P245 | T4540 P183 | | | | | | | T4250/51 P241 |
| T6800/01 P258 | | | | T6080 | | T6270 P253 | | T6250 P255 |
| T7800/01 P288 | | | T7060 P276 | T7080 P282 | | T7270 P276 | T7277 P278 | T7250/51 P282 |
| TP800/01 P317 | TP540 P322 | | | | | TP270 P307 | | TP250/51 P282 |



| | | | | | | | | |
|----------------|---------------|------------------------------|--------------------------|-------------------------------------|-------------------------|------------------------------|------------------------------|---|
| ORFS FEMALE | SAE FEMALE | PRESSURE WASHER FEMALE | BSPP FEMALE 45° ELBOW | JSEAL™ / JIC FEMALE 45° ELBOW | SAE FEMALE 45° ELBOW | BSPP FEMALE 45° TUBE BEND | BSPO FEMALE 45° TUBE BEND | JSEAL™ / JIC FEMALE 45° TUBE BEND |
|----------------|---------------|------------------------------|--------------------------|-------------------------------------|-------------------------|------------------------------|------------------------------|---|

FEMALE STRAIGHT cont'd & FEMALE 45°

| | |
|----------------------|----------------------|
| T2682 P208 | T2682 P208 |
| | |
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|---|---|
| METRIC JIS FEMALE 60° CONCAVE SEAT 45° TUBE BEND | METRIC JIS FEMALE 60° CONCAVE SEAT 45° TUBE BEND |
|---|---|

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FEMALE
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&
FEMALE
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| | | | | | | | | |
|---|--|--|------------------------------|-----------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------|
| T2660 P211 | T2510 P213 | T2720 P217 | T2810/11 P222 | T2050 P198 | T2057 P198 | T2070/71 P169 | T2570 P227 | |
| T4660 P243 | T6720 P257 | | T4810/11 P246 | T4550 P247 | T4050 P236 | T6070 | | |
| T7510 P285 | | T7720 P287 | T7810/11 P289 | T7050 P276 | T7057 P277 | T7070 P282 | | |
| TP510 P313 | | TP720 P315 | TP810/11 P317 | TP050 P306 | | TP570 P318 | | |
| TT050 P320 | | | | | | | | |
| | | | | | | | | |
| METRIC DKL FEMALE 24°/60° CONE 45° TUBE BEND | METRIC DKOL FEMALE 24° CONE 45° TUBE BEND | METRIC DKOS FEMALE 24° CONE 45° TUBE BEND | ORFS FEMALE 45° TUBE BEND | SAE FEMALE 45° TUBE BEND | BSPF FEMALE 90° ELBOW | BSPO FEMALE 90° ELBOW | JSEAL™ / JIC FEMALE 90° ELBOW | SAE FEMALE 90° ELBOW |

FEMALE
90°
cont'd

| | | | | | | | | |
|------------------------------|------------------------------|------------------------------|--|---|---|---|---|---|
| T2260 P196 | T2210 P197 | T2267 P198 | T2243/44 P205 | T2240/41 P206 | T2280/81 P206 | T2683 P208 | T2670 P212 | |
| T4260 P236 | T4243 P242 | | T4240/41 P242 | T4280/81 P242 | T4670 P244 | | | |
| T6260 P253 | | T6240 P256 | | | T6280 P256 | | | |
| T7260 P276 | T7210 P277 | T7267 P278 | T7243 P283 | T7240/41 P283 | T7245 P283 | T7280 P284 | | |
| TP260 P306 | | | | TP240/41 P311 | | TP280 P312 | | |
| TT260 P320 | | | TT240/41 P321 | | | TT670 P322 | | |
| | | | | | | | | |
| BSPF FEMALE 90° TUBE BEND | BSPF FEMALE 90° LONG BEND | BSPO FEMALE 90° TUBE BEND | JSEAL™ / JIC FEMALE 90° SHORT BEND | JSEAL™ / JIC FEMALE 90° MEDIUM BEND | JIC FEMALE HIGH PRESSURE 90° MEDIUM BEND | JSEAL™ / JIC FEMALE 90° LONG BEND | METRIC FEMALE 90° CONCAVE SEAT (JIS) 90° TUBE BEND | METRIC DKL FEMALE 24°/60° CONE 90° TUBE BEND |

FEMALE
90°
cont'd

| | | | | | | |
|--|--|-------------------------------|--------------------------------|------------------------------|-----------------------------|--------|
| T2520 P214 | T2730 P218 | T2823/24 P222 | T2820/21 P223 | T2830 P223 | T2900 P209 | |
| T4820/21 P246 | | | T4830 P246 | T4560 P248 | | |
| T6730 P257 | | T6820/21 P259 | | | T6900 P256 | |
| T7520 P287 | T7730 P287 | T7823/24 P289 | T7820/21 P289 | T7830 P289 | T7900 P285 | |
| TP520 P313 | | TP730 P287 | TP820/21 P289 | | | |
| | | | | | | |
| METRIC DKOL FEMALE 24° CONE 90° TUBE BEND | METRIC DKOS FEMALE 24° CONE 90° TUBE BEND | ORFS FEMALE 90° SHORT BEND | ORFS FEMALE 90° MEDIUM BEND | ORFS FEMALE 90° LONG BEND | SAE FEMALE 90° TUBE BEND | JOINER |

JOINER

SALVAGE
STANDPIPE

| | | | | | |
|------------------------|-----------------------|----------------------|--------------------------------------|--------------------------------------|----------------------|
| T2230 P230 | T2180 P231 | T2640 P231 | T2646 P232 | | T2850 P233 |
| T4230 P249 | | | | | T4850 P251 |
| T7230 P303 | | T7640 P302 | T7643 | | |
| TP230 P316 | | TP640 P316 | TP643 P316 | TP646 P316 | |
| | | | | | |
| SALVAGE (LIFESAVER) | IMPERIAL STANDPIPE | METRIC STANDPIPE | METRIC STANDPIPE 45° TUBE BEND | METRIC STANDPIPE 90° TUBE BEND | TUBE BITE |

TUBE BITE

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SAE FLANGE CODE 61

| | | | | | | |
|----------------------|--------------------------------|------------------------------|------------------------------|------------------------------|--------------------------------|------------------------------|
| T2130 P229 | | | T2150 P229 | | | T2170 P230 |
| T4130 P250 | | | T4150 P250 | | | T4170 P250 |
| T6130 P260 | T6140 P260 | T6290 P261 | T6150 P261 | T6300 P261 | T6160 P262 | T6170 P262 |
| T7130 P292 | T7140 P292 | T7290 P294 | T7150 P293 | T7300 P293 | T7160 P294 | T7170 P295 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| CODE 61 FLANGE | CODE 61 FLANGE 22.5° TUBE BEND | CODE 61 FLANGE 30° TUBE BEND | CODE 61 FLANGE 45° TUBE BEND | CODE 61 FLANGE 60° TUBE BEND | CODE 61 FLANGE 67.5° TUBE BEND | CODE 61 FLANGE 90° TUBE BEND |

SAE FLANGE CODE 61 cont'd

| | | | | |
|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|-------------------------------|
| T4173 P250 | | | | |
| T7171 P295 | T7172 P295 | T7173 P295 | T7174 P296 | T7910 P296 |
| | | | | |
| | | | | |
| CODE 61 FLANGE 90° SPECIAL TUBE BEND | CODE 61 FLANGE 90° SPECIAL TUBE BEND | CODE 61 FLANGE 90° LONG TUBE BEND | CODE 61 FLANGE 90° SPECIAL TUBE BEND | CODE 61 FLANGE 110° TUBE BEND |

SAE FLANGE CODE 62

| | | | | | | | | |
|----------------------|-----------------------|--------------------------------|------------------------------|------------------------------|------------------------------|--------------------------------|------------------------------|-------------------------------|
| T6330 P263 | T6334 P263 | T6440 P264 | T6450 P265 | T6350 P266 | T6460 P270 | T6360 P268 | T6370 P271 | T6930 P272 |
| T7330 P296 | T7334 P296 | T7440 P296 | T7450 P297 | T7350 P297 | T7460 P297 | T7360 P297 | T7370 P298 | T7930 P298 |
| | | | | | | | | |
| | | | | | | | | |
| CODE 62 FLANGE | CODE 62 D-RING FLANGE | CODE 62 FLANGE 22.5° TUBE BEND | CODE 62 FLANGE 30° TUBE BEND | CODE 62 FLANGE 45° TUBE BEND | CODE 62 FLANGE 60° TUBE BEND | CODE 62 FLANGE 67.5° TUBE BEND | CODE 62 FLANGE 90° TUBE BEND | CODE 62 FLANGE 110° TUBE BEND |

SPECIAL FLANGE RYCO CODE 62C

| | | | | | | | | |
|----------------------|--------------------------------------|---|------------------------------------|---|------------------------------------|---|------------------------------------|---|
| T6333 P263 | T6443 P264 | T6444 P265 | T6453 P265 | T6454 P265 | T6353 P266 | T6354 P267 | T6463 P270 | T6464 P270 |
| T7333 P298 | T7443 P298 | T7444 P297 | T7453 P300 | T7454 P300 | T7353 P300 | T7354 P300 | T7463 P300 | T7464 P300 |
| | | | | | | | | |
| | | | | | | | | |
| RYCO CODE 62C FLANGE | RYCO CODE 62C FLANGE 22.5° TUBE BEND | RYCO CODE 62C D-RING FLANGE 22.5° TUBE BEND | RYCO CODE 62C FLANGE 30° TUBE BEND | RYCO CODE 62C D-RING FLANGE 30° TUBE BEND | RYCO CODE 62C FLANGE 45° TUBE BEND | RYCO CODE 62C D-RING FLANGE 45° TUBE BEND | RYCO CODE 62C FLANGE 60° TUBE BEND | RYCO CODE 62C D-RING FLANGE 60° TUBE BEND |

SPECIAL FLANGE RYCO CODE 62C cont'd

| | | | | | | | |
|--------------------------------------|--|--------------------------------------|------------------------------------|--|-------------------------------------|----------------------|------------------------------------|
| T6363 P269 | T6364 P269 | T6373 P271 | T6374 P270 | T6933 P272 | T6335 P263 | T6912 P263 | T6445 P264 |
| T7363 P300 | T7364 P301 | T7378 P301 | T7373 P301 | T7374 P302 | T7933 P301 | | |
| | | | | | | | |
| | | | | | | | |
| RYCO CODE 62C FLANGE 67.5° TUBE BEND | RYCO CODE 62C D-RING FLANGE 67.5° BEND | RYCO CODE 62C D-RING FLANGE 90° BEND | RYCO CODE 62C FLANGE 90° TUBE BEND | RYCO CODE 62C D-RING FLANGE 110° TUBE BEND | RYCO CODE 62C FLANGE 110° TUBE BEND | RYCO CODE 62K FLANGE | RYCO CODE 62C FLANGE 15° TUBE BEND |






SPECIAL FLANGE RYCO CODE 62K

| | | | | | | | | |
|------------------------------------|------------------------------------|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|
| T6455 P266 | T6355 P267 | T6359 P267 | T6465 P267 | T6914 P268 | T6916 P268 | T6918 P268 | T6375 P271 | T6936 P272 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| RYCO CODE 62K FLANGE 30° TUBE BEND | RYCO CODE 62K FLANGE 45° TUBE BEND | RYCO CODE 62K D-RING FLANGE 45° TUBE BEND | RYCO CODE 62K FLANGE 60° TUBE BEND | RYCO CODE 62K FLANGE 70° TUBE BEND | RYCO CODE 62K FLANGE 75° TUBE BEND | RYCO CODE 62K FLANGE 80° TUBE BEND | RYCO CODE 62K FLANGE 90° TUBE BEND | RYCO CODE 62K FLANGE 100° TUBE BEND |



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SPECIAL
FLANGE
RYCO
CODE 62K

| T6932 P272 | T6914 P268 | T6916 P268 | T6918 P269 | T6375 P271 |
|---|---|---|---|---|
|  |  |  |  |  |
| RYCO CODE 62K FLANGE 110° TUBE BEND | RYCO CODE 62K FLANGE 70° TUBE BEND | RYCO CODE 62K FLANGE 75° TUBE BEND | RYCO CODE 62K FLANGE 80° TUBE BEND | RYCO CODE 62K FLANGE 90° TUBE BEND |









HAMMER
UNION

| T61502 P273 | T61501 P273 |
|---|---|
| T71502 P304 | T71501 P304 |
|  |  |
| FIG 1502 MALE (WITH NUT) | FIG 1502 FEMALE (WITH SEAL) |

TW4000 ONE-PIECE CRIMP INTERLOK WATERBLAST COUPLINGS. INTERNAL/EXTERNAL SKIVE











| TW4090 P325 | TW4027 P325 | TW4711 P325 |
|---|---|---|
|  |  |  |
| NPT MALE 60° SEAT | BSPP FEMALE O RING 60° SEAT | DKOS FEMALE METRIC O RING (HEAVY) 24° CONE |



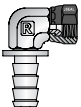

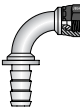





TG000 ONE-PIECE CRIMP COUPLINGS FOR TPGL SERIES HOSE (GREASELINE)

| TG010 P323 | TG320 P323 | TG090 P323 | TG320N P323 | TG030 P324 | TG020 P323 | TG020N P322 | TG040 P324 |
|---|---|---|---|---|---|--|---|
|  |  |  |  |  |  |  |  |
| BSPT MALE | BSPT MALE SWIVEL | NPT MALE | NPT MALE SWIVEL | JIC MALE | BSPP FEMALE | NPSM FEMALE | JIC FEMALE |

8000 PUSH-ON COUPLINGS FOR PL1D, PL1PV AND RQP6 SERIES HOSE

PL1D, PL1PV and RQP6 Hose simply pushes on to 8000 Series couplings. Clamps are required for critical applications, and when Working Pressure exceeds 50% of the Maximum Static Working Pressure. Do not overtighten Clamps as this will damage hose.

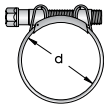






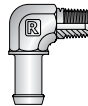






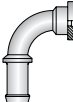
| 8010/S P327 | 8111 P327 | 8090 P327 | 8030 P328 | 8530 P330 | 8740 P331 | 8200 P332 | 8020 P326 | 8040 P329 | 8540 P331 |
|---|---|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |  |  |
| BSPT MALE | BSPP O RING MALE | NPT MALE | JIC / SAE MALE | JIC / SAE MALE | SAE INVERTED FLARE MALE | UN O RING MALE (O RING BOSS) | BSPP FEMALE | JIC / SAE FEMALE | JIC / SAE FEMALE |

| 8060 P327 | 8050 P327 | 8070 P329 | 8570 P331 | 8240 P329 | 8900 P330 | 8230 P332 | 8180 P332 | 8640 P333 | 8100 P333 |
|---|---|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |  |  |
| BSPP FEMALE 45° ELBOW | BSPP FEMALE 90° ELBOW | JIC / SAE FEMALE 90° ELBOW | JIC / SAE FEMALE 90° ELBOW | JIC FEMALE 90° TUBE BEND | JOINER | SALVAGE (LIFE SAVER) | IMPERIAL STANDPIPE | METRIC STANDPIPE | 200 AIR COUPLING NIPPLE |

COUPLINGS

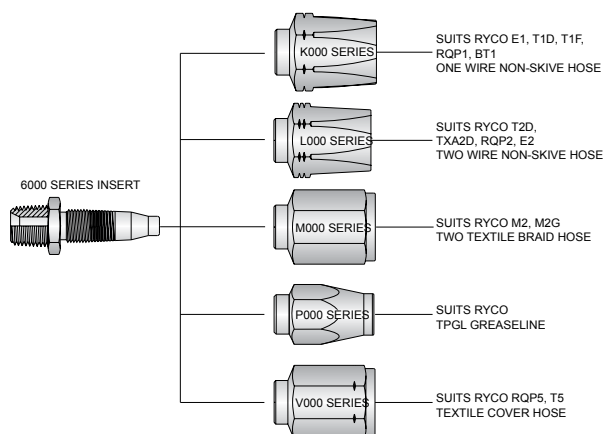
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33000 SUCTION AND RETURN COUPLINGS FOR SRX AND SRF SERIES HOSE

| | | | | | | | | | |
|---|---|---|---|---|---|--|---|---|---|
| RSC P334 | 33010 P336 | 33111 P334 | 33090 P337 | 33200 P338 | 33400 P337 | 33410 P335 | 33400N P337 | 33420 P340 | 33020 P335 |
|  |  |  |  |  |  |  |  |  |  |
| SUCTION HOSE CLAMP | BSPT MALE | BSPP O RING MALE | NPT MALE | UN O RING MALE (O RING BOSS) | BSPT MALE 90° ELBOW | BSPP O RING MALE 90° ELBOW | NPT MALE 90° ELBOW | UN O RING MALE (O RING BOSS) 90° ELBOW | BSPP FEMALE |
| 33024 P335 | 33040 P338 | 33130 P339 | 33150 P339 | 33170 P340 | | | | | |
|  |  |  |  |  | | | | | |
| BSPP FEMALE FLAT FACE | JIC FEMALE | CODE 61 FLANGE | CODE 61 FLANGE 45° TUBE BEND | CODE 61 FLANGE 90° TUBE BEND | | | | | |

FIELD ATTACHABLE FERRULES FOR 6000 SERIES INSERTS

The RYCO Field Attachable system consists of five ferrule styles, each specific to a hose type, and one common Insert. Field Attachable Inserts and Ferrules can be ordered individually, or as a complete coupling for specific hose types.



FIELD ATTACHABLE FERRULES FOR 6000 SERIES INSERTS

| K000 P355 | L000 P355 | M000 P355 | P000 P355 | V000 P355 |
|--|---|---|----------------------------|-----------------------------------|
| | | | | |
| SUITS RYCO E1, T1D, T1F, RQP1, BT1 ONE WIRE NON-SKIVE HOSE | SUITS RYCO E2, T2D, TXA2D, RQP2 TWO WIRE NON-SKIVE HOSE | SUITS RYCO M2, M2G TWO TEXTILE BRAID HOSE | SUITS RYCO TPGL GREASELINE | SUITS RYCO RQP5, T5 TEXTILE COVER |

6000 SERIES FIELD ATTACHABLE INSERTS

6000 Series Inserts for K000, L000, V000, M000 and P000 ferrules.

| | | | | | | | | | |
|-------------------------|------------------------------|-------------------------------------|---------------------------------------|---------------------------------------|--------------------------------|-----------------------------------|--|---|---------------------------------------|
| 6010 P357 | 6320 P358 | 6090 P362 | 6091 P362 | 6320N P364 | 6860 | 6030 P365 | 6650 P371 | 6630 P373 | 6530 P377 |
| | | | | | | | | | |
| BSPT MALE | BSPT MALE SWIVEL | NPT MALE | NPT MALE EXTENDED | NPT MALE SWIVEL | GREASE LINE MALE | JIC MALE | METRIC DKL MALE 24° CONE | METRIC DKS MALE 24° CONE | SAE MALE |
| 6740 P380 | 6200 P387 | 6380 P386 | 6750 P380 | 6760 P380 | 6340 P380 | 6780 P380 | 6790 P380 | 6390 P387 | 6770 P381 |
| | | | | | | | | | |
| SAE INVERTED MALE FLARE | UN O RING MALE (O RING BOSS) | UN O RING MALE SWIVEL (O RING BOSS) | SAE INVERTED MALE FLARE 45° TUBE BEND | SAE INVERTED MALE FLARE 60° TUBE BEND | BSPT MALE SWIVEL 90° ELBOW | SAE INVERTED MALE FLARE 90° ELBOW | SAE INVERTED MALE FLARE 90° EXTENDED ELBOW | UN O RING MALE SWIVEL (O RING BOSS) 90° ELBOW | SAE INVERTED MALE FLARE 90° TUBE BEND |
| 6020 P357 | 6024 P359 | 6960B P363 | 6861 P365 | 6040 P366 | 6600 P371 | 6711 P373 | 6680 P370 | 6800 P349 | 6540 P378 |
| | | | | | | | | | |
| BSPP FEMALE | BSPP FEMALE FLAT FACE | NPSM FEMALE LIVE SWIVEL | GREASE LINE FIXED FEMALE | JIC FEMALE | METRIC DKL FEMALE 24°/60° CONE | METRIC DKOS FEMALE 24° CONE | METRIC FEMALE 60° CONCAVE SEAT (JIS) | ORFS FEMALE | SAE FEMALE |

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6000 SERIES FIELD ATTACHABLE INSERTS (CONTINUED)

6000 Series Inserts for K000, L000, V000, M000 and P000 ferrules.

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| 6060 P359 | 6080 P367 | 6580 P378 | 6270 P360 | 6250 P368 | 6660 P372 | 6720 P374 | 6810 P349 | 6550 P379 | 6050 P360 |
|  |  |  |  |  |  |  |  |  |  |
| BSPP FEMALE 45° ELBOW | JIC FEMALE 45° ELBOW | SAE FEMALE 45° ELBOW | BSPP FEMALE 45° TUBE BEND | JIC FEMALE 45° TUBE BEND | METRIC DKL FEMALE 24°/60° CONE 45° TUBE BEND | METRIC DKOS FEMALE 24° CONE 45° TUBE BEND | ORFS FEMALE 45° TUBE BEND | SAE FEMALE 45° TUBE BEND | BSPP FEMALE 90° ELBOW |
| 6052 P359 | 6070 P367 | 6570 P378 | 6260 P360 | 6210 P361 | 6240 P369 | 6280 P370 | 6670 P372 | 6730 P374 | 6820 P350 |
|  |  |  |  |  |  |  |  |  |  |
| BSPP FEMALE FLAT FACE 90° ELBOW | JIC FEMALE 90° ELBOW | SAE FEMALE 90° ELBOW | BSPP FEMALE 90° TUBE BEND | BSPP FEMALE 90° LONG BEND | JIC FEMALE 90° TUBE BEND | JIC FEMALE 90° LONG BEND | METRIC DKL FEMALE 24°/60° CONE 90° TUBE BEND | METRIC DKOS FEMALE 24° CONE 90° TUBE BEND | ORFS FEMALE 90° TUBE BEND |
| 6830 P350 | 6560 P379 | 6563 P379 | 6290 | 6150 P382 | 6170 P383 | 6230 P384 | 6180 P385 | 6640 P385 | 6850 P386 |
|  |  |  |  |  |  |  |  |  |  |
| ORFS FEMALE 90° LONG BEND | SAE FEMALE 90° TUBE BEND | SAE FEMALE 90° LONG BEND | CODE 61 FLANGE | CODE 61 FLANGE 45° TUBE BEND | CODE 61 FLANGE 90° TUBE BEND | SALVAGE (LIFESAVER) | IMPERIAL STANDPIPE | METRIC STANDPIPE | TUBE BITE |

“Index by End Style Number” is a quick reference if the End Style Number is already known. It can also be used to show the availability of End Styles in different Coupling Series.

Example:

End Style of “013” BSPP Male is available in four Series:

T2000 Series - **T2013** (page 189)

T4000 Series - **T4013** (page 235)

T6000 Series - **T6013** (page 252)

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WORKING PRESSURE OF HOSE ASSEMBLIES

Working Pressure of each Hose Coupling End Style Termination is shown in the Technical section. In most cases, the Working Pressure of the Hose Coupling End Style Termination that can be chosen for a particular hose exceeds the Maximum Working Pressure of the Hose. It is possible however, to select a Hose Coupling with an End Style having a lower Working Pressure than the Hose. In this case, as noted in SAE J516 and SAE J517, the rated Working Pressure of the Hose Assembly must not exceed the lower of the respective Working Pressure rated values.

EXAMPLE 1.

T28D Hose Assembly with **T2040-0812** coupling one end and **T2090-0808** coupling other end.

From page 101 Maximum Working Pressure of **T28D** is 350 bar.

From page 203 and the technical section pages 496 to 500 the Maximum Working Pressure of **T2040-0812** is 690 bar.

From page 199 and the technical section pages 496 to 500 the Maximum Working Pressure of **T2090-0808** is 690 bar.

The Maximum Working Pressure of the Hose Assembly is therefore 350 bar, the lowest of the respective Maximum Working Pressure rated values (in this case, the hose).

EXAMPLE 2.

H5016D Hose Assembly with **T7130-1620** coupling one end and **T7030-1621** coupling other end.

From page 78 Maximum Working Pressure of **H5016D** is 350 bar.

From page 292 and the technical section pages 496 to 500 the Maximum Working Pressure of **T7130-1620** is 280 bar.

From page 280 and the technical section pages 496 to 500 the Maximum Working Pressure of **T7030-1621** is 420 bar.

The Maximum Working Pressure of the Hose Assembly is therefore 280 bar, the lowest of the respective Maximum Working Pressure rated values (in this case, the **T7130-1620**).

33000 SERIES COUPLINGS FOR SRX AND SRF SERIES HOSE

The Maximum Working Pressure of a **SRX** or **SRF** Series Hose Assembly depends on the couplings used, and the method of attachment. See pages 128 and 129

33000 Series Couplings with **RSC** Clamps are suited to Suction Applications, and Low Pressure Delivery (up to 25% of Maximum Working Pressure of the hose).

T4000 One-Piece Crimp Couplings are suited to Suction Applications, and High Pressure Delivery (up to 100% of Maximum Working Pressure of the hose).

EXAMPLE:

SRF20 Hose Assembly with **33020-2020** Couplings each end secured with **RSC-4347** Clamps.

From page 129 Maximum Working Pressure of **SRF20** hose is 14 bar.

From page 186 and the technical section pages 496 to 500 the Maximum Working Pressure of **33020-2020** coupling is 215 bar. Maximum Working Pressure of the Hose Assembly is 25% of 14 bar = 3,5 bar.

If this Hose Assembly was made with **T4020-2020** One-Piece Crimp Couplings instead:

From page 129 Maximum Working Pressure of **SRF20** hose is 14 bar.

From page 236 and the technical section pages 496 to 500 the Maximum Working Pressure of **T4020-2020** coupling is 215 bar. Maximum Working Pressure of the Hose Assembly is 100% of 14 bar = 14 bar.

8000 SERIES COUPLINGS FOR PL1 AND RQP6 SERIES HOSE

PL1D, **PL1PV** and **RQP6** Series hose, and **8000** Series Push-On Fittings, are recommended for use in systems with Static Working Pressures (constant loads without pressure spikes) only. They are not recommended for vibration or pressure surge applications.

PL1D, **PL1PV** and **RQP6** Series hose should not be used at both maximum working pressure and maximum temperature simultaneously.

8000 Series Push-On pages 326 to 333.

Assembly Instructions page 484.

PL1D, **PL1PV** and **RQP6** Series hose simply pushes on to **8000** Series Couplings, and for Static Working Pressures up to 50% of Maximum Static Working Pressures a clamp is not required. For diesel fuel and other potentially dangerous or critical applications, and Static Working Pressures above 50% of maximum; a clamp around the hose is required. Do not overtighten clamp as this will damage hose. Factory crimped couplings are also available in some sizes. Contact RYCO for more information.

DROP LENGTH & CUT-OFF ALLOWANCE DIMENSIONS FOR COUPLINGS

In this Product Technical Manual, dimensional values for Drop Length (DL), Cut-off Allowance (CA), Seat to Ferrule (L), Back up Hex (AF), Male Hex (HM) and Female Hex (HF) are published.

Due to different manufacturing methods and design changes, DL, CA, L, AF, HM and HF values may vary from time to time.

Before attaching couplings to the hose, measure and check that the DL, CA and L dimensions of the actual coupling to be used complies with that published, or is suitable for the application.

NOTE: Drop Length (DL), Cut-off Allowance (CA), Seat to Ferrule (L), Back up Hex (AF), Male Hex (HM) and Female Hex (HF) dimensions shown are for reference only, and may vary according to manufacturing method.

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

HOSE COMPATIBILITY FOR T2000 SERIES

NON-SKIVE

For RYCO Hose Series T3000D/S (sizes -04 to -16).
 For RYCO Hose Series T3600D/S (sizes -04 to -16).
 For RYCO Hose Series T4000D/S (sizes -04 to -12).
 For RYCO Hose Series T5000D/S (sizes -04 to -08).
 For RYCO Hose Series T6000D/S (sizes -04 to -06).
 For RYCO Hose Series RQP1 (sizes -04 to -16).
 For RYCO Hose Series E1, E2/C, T1D/S, T2D/S (sizes -03 to -48).
 For RYCO Hose Series TJD (sizes -24 to -26).
 For RYCO Hose Series DF2D (sizes -04 to -20).

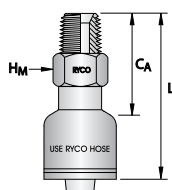
NON-SKIVE (CONTINUED)

For RYCO Hose Series D2B (sizes -24 to -32).
 For RYCO Hose Series DK1D/E/S (sizes -04 to -20).
 For RYCO Hose Series DK2D/E/S (sizes -04 to -20).
 For RYCO Hose Series JS4000/B/G/BX/GX (sizes -04 to -08).
 For RYCO Hose Series JS6000/B/G/BX/GX (sizes -04 to -08).
 For RYCO Hose Series TW (sizes -04 to -08).
 For RYCO Hose Series PW (sizes -04 to -06).
 For RYCO Hose Series BT1 (sizes -04 to -16).
 For RYCO Hose Series MS1000 (sizes -08 to -32).

BSPT

T2010

60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | BSPT MALE | | | | | |
|-----------|-------|-----------|-----------|------------|-----------|-------------------|------|----|------|-----|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 5 | 3/16 | 1/8 | -0302 | | 14 | T2010-0302 | 0.91 | 23 | 1.69 | 43 |
| 6 | 1/4 | 1/8 | -0402 | | 14 | T2010-0402 | 1.06 | 27 | 2.09 | 53 |
| 6 | 1/4 | 1/4 | -0404 | | 14 | T2010-0404 | 1.26 | 32 | 2.24 | 57 |
| 6 | 1/4 | 3/8 | -0406 | 3/4 | 19 | T2010-0406 | 1.34 | 34 | 2.32 | 59 |
| 6 | 1/4 | 1/2 | -0408 | 7/8 | 22 | T2010-0408 | 1.54 | 39 | 2.56 | 65 |
| 8 | 5/16 | 3/8 | -0506 | 3/4 | 19 | T2010-0506 | 1.34 | 34 | 2.32 | 59 |
| 8 | 5/16 | 1/2 | -0508 | 7/8 | 22 | T2010-0508 | 1.57 | 40 | 2.56 | 65 |
| 10 | 3/8 | 1/4 | -0604 | | 14 | T2010-0604 | 1.42 | 36 | 2.40 | 61 |
| 10 | 3/8 | 3/8 | -0606 | 3/4 | 19 | T2010-0606 | 1.38 | 35 | 2.36 | 60 |
| 10 | 3/8 | 1/2 | -0608 | 7/8 | 22 | T2010-0608 | 1.61 | 41 | 2.60 | 66 |
| 12 | 1/2 | 3/8 | -0806 | 3/4 | 19 | T2010-0806 | 1.50 | 38 | 2.48 | 63 |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | T2010-0808 | 1.65 | 42 | 2.64 | 67 |
| 12 | 1/2 | 5/8 | -0810 | 1.1/16 | 27 | T2010-0810 | 1.73 | 44 | 2.72 | 69 |
| 12 | 1/2 | 3/4 | -0812 | 1.1/16 | 27 | T2010-0812 | 1.73 | 44 | 2.72 | 69 |
| 16 | 5/8 | 1/2 | -1008 | 7/8 | 22 | T2010-1008 | 1.61 | 41 | 2.83 | 72 |
| 16 | 5/8 | 5/8 | -1010 | 1.1/16 | 27 | T2010-1010 | 1.61 | 41 | 2.83 | 72 |
| 16 | 5/8 | 3/4 | -1012 | 1.1/16 | 27 | T2010-1012 | 1.61 | 41 | 2.83 | 72 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | T2010-1212 | 1.85 | 47 | 3.03 | 77 |
| 19 | 3/4 | 1 | -1216 | | 36 | T2010-1216 | 2.09 | 53 | 3.23 | 82 |
| 25 | 1 | 1 | -1616 | | 36 | T2010-1616 | 2.09 | 53 | 3.27 | 83 |
| 25 | 1 | 1.1/4 | -1620 | | 46 | T2010-1620 | 2.17 | 55 | 3.39 | 86 |
| 31 | 1.1/4 | 1.1/4 | -2020 | | 46 | T2010-2020 | 2.36 | 60 | 4.29 | 109 |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2 | 50 | T2010-2424 | 2.17 | 55 | 4.21 | 107 |
| 51 | 2 | 2 | -3232 | | 65 | T2010-3232 | 2.60 | 66 | 4.80 | 122 |
| 63 | 2.1/2 | 2.1/2 | -4040 | 3 | 76 | T2010-4040 | 2.83 | 72 | 5.87 | 149 |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

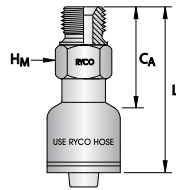
TECHNICAL

COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|-------------|--------------|
| BSPP | T2013 |
|-------------|--------------|

60° SEAT



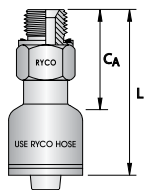
| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | | BSPP MALE | | | | |
|-----------|-------|-----------|-----------|------------|----|-------------------|------|----|------|-----|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 5 | 3/16 | 1/8 | -0302 | | 14 | T2013-0302 | 0.94 | 24 | 1.69 | 43 |
| 5 | 3/16 | 1/4 | -0304 | 3/4 | 19 | T2013-0304 | 1.14 | 29 | 1.89 | 48 |
| 6 | 1/4 | 1/8 | -0402 | | 14 | T2013-0402 | 0.98 | 25 | 2.01 | 51 |
| 6 | 1/4 | 1/4 | -0404 | 3/4 | 19 | T2013-0404 | 1.34 | 34 | 2.32 | 59 |
| 6 | 1/4 | 3/8 | -0406 | 7/8 | 22 | T2013-0406 | 1.38 | 35 | 2.36 | 60 |
| 6 | 1/4 | 1/2 | -0408 | 1.1/16 | 27 | T2013-0408 | 1.54 | 39 | 2.52 | 64 |
| 8 | 5/16 | 1/4 | -0504 | 3/4 | 19 | T2013-0504 | 1.34 | 34 | 2.32 | 59 |
| 8 | 5/16 | 3/8 | -0506 | 7/8 | 22 | T2013-0506 | 1.38 | 35 | 2.36 | 60 |
| 10 | 3/8 | 1/4 | -0604 | 3/4 | 19 | T2013-0604 | 1.38 | 35 | 2.36 | 60 |
| 10 | 3/8 | 3/8 | -0606 | 7/8 | 22 | T2013-0606 | 1.46 | 37 | 2.44 | 62 |
| 10 | 3/8 | 1/2 | -0608 | 1.1/16 | 27 | T2013-0608 | 1.57 | 40 | 2.56 | 65 |
| 12 | 1/2 | 3/8 | -0806 | 7/8 | 22 | T2013-0806 | 1.46 | 37 | 2.44 | 62 |
| 12 | 1/2 | 1/2 | -0808 | 1.1/16 | 27 | T2013-0808 | 1.61 | 41 | 2.60 | 66 |
| 12 | 1/2 | 5/8 | -0810 | 1.1/4 | 32 | T2013-0810 | 1.73 | 44 | 2.72 | 69 |
| 12 | 1/2 | 3/4 | -0812 | 1.1/4 | 32 | T2013-0812 | 1.81 | 46 | 2.80 | 71 |
| 16 | 5/8 | 1/2 | -1008 | 1.1/16 | 27 | T2013-1008 | 1.50 | 38 | 2.72 | 69 |
| 16 | 5/8 | 5/8 | -1010 | 1.1/4 | 32 | T2013-1010 | 1.61 | 41 | 2.83 | 72 |
| 16 | 5/8 | 3/4 | -1012 | 1.1/4 | 32 | T2013-1012 | 1.69 | 43 | 2.91 | 74 |
| 19 | 3/4 | 1/2 | -1208 | 1.1/16 | 27 | T2013-1208 | 1.77 | 45 | 2.95 | 75 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | T2013-1212 | 1.85 | 47 | 3.03 | 77 |
| 25 | 1 | 3/4 | -1612 | 1.1/4 | 32 | T2013-1612 | 1.85 | 47 | 3.07 | 78 |
| 25 | 1 | 1 | -1616 | 1.5/8 | 41 | T2013-1616 | 2.01 | 51 | 3.23 | 82 |
| 25 | 1 | 1.1/4 | -1620 | 2 | 50 | T2013-1620 | 2.20 | 56 | 3.43 | 87 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 2 | 50 | T2013-2020 | 2.36 | 60 | 4.29 | 109 |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2.3/16 | 55 | T2013-2424 | 2.17 | 55 | 4.17 | 106 |
| 38 | 1.1/2 | 2 | -2432 | 2.3/4 | 70 | T2013-2432 | 2.36 | 60 | 4.41 | 112 |
| 51 | 2 | 2 | -3232 | 2.3/4 | 70 | T2013-3232 | 2.64 | 67 | 4.84 | 123 |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|-------------|--------------|
| BSPP | T2017 |
|-------------|--------------|

**60° SEAT
ENCAPSULATED
SEAL INCLUDED**



| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | | BSPP MALE ENCAPSULATED SEAL | | | | |
|-----------|-------|-----------|-----------|------------|----|-----------------------------|------|----|------|-----|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | 3/4 | 19 | T2017-0404 | 1.34 | 34 | 2.32 | 59 |
| 10 | 3/8 | 3/8 | -0606 | 7/8 | 22 | T2017-0606 | 1.46 | 37 | 2.44 | 62 |
| 12 | 1/2 | 1/2 | -0808 | 1.1/16 | 27 | T2017-0808 | 1.61 | 41 | 2.60 | 66 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | T2017-1212 | 1.85 | 47 | 3.03 | 77 |
| 25 | 1 | 1 | -1616 | 1.5/8 | 41 | T2017-1616 | 2.01 | 51 | 3.23 | 82 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 2 | 50 | T2017-2020 | 2.36 | 60 | 4.29 | 109 |

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

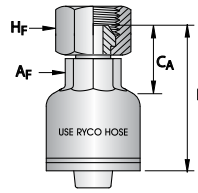
COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

BSPP

T2020

60° SEAT



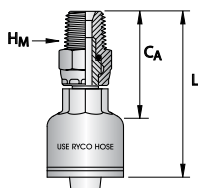
| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | BSPP FEMALE | | L | | |
|-----------|-------|-----------|-----------|------------|----|------------|----|-------------------|------|----|------|-----|
| DN | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | Ca | | L | |
| | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 5 | 3/16 | 1/8 | -0302 | | 12 | | 14 | T2020-0302 | 0.87 | 22 | 1.61 | 41 |
| 5 | 3/16 | 1/4 | -0304 | | 12 | 3/4 | 19 | T2020-0304 | 0.87 | 22 | 1.61 | 41 |
| 6 | 1/4 | 1/8 | -0402 | | 12 | | 14 | T2020-0402 | 0.87 | 22 | 1.89 | 48 |
| 6 | 1/4 | 1/4 | -0404 | | 12 | 3/4 | 19 | T2020-0404 | 0.91 | 23 | 1.89 | 48 |
| 6 | 1/4 | 3/8 | -0406 | | 12 | 7/8 | 22 | T2020-0406 | 1.06 | 27 | 2.05 | 52 |
| 8 | 5/16 | 1/4 | -0504 | | 14 | 3/4 | 19 | T2020-0504 | 0.94 | 24 | 1.93 | 49 |
| 8 | 5/16 | 3/8 | -0506 | | 14 | 7/8 | 22 | T2020-0506 | 1.02 | 26 | 2.05 | 52 |
| 10 | 3/8 | 1/4 | -0604 | 5/8 | 16 | 3/4 | 19 | T2020-0604 | 0.94 | 24 | 1.93 | 49 |
| 10 | 3/8 | 3/8 | -0606 | 5/8 | 16 | 7/8 | 22 | T2020-0606 | 1.02 | 26 | 2.01 | 51 |
| 10 | 3/8 | 1/2 | -0608 | 5/8 | 16 | 1.1/16 | 27 | T2020-0608 | 1.18 | 30 | 2.17 | 55 |
| 12 | 1/2 | 3/8 | -0806 | 3/4 | 19 | 7/8 | 22 | T2020-0806 | 1.06 | 27 | 2.05 | 52 |
| 12 | 1/2 | 1/2 | -0808 | 3/4 | 19 | 1.1/16 | 27 | T2020-0808 | 1.10 | 28 | 2.09 | 53 |
| 12 | 1/2 | 3/4 | -0812 | 3/4 | 19 | 1.1/4 | 32 | T2020-0812 | 1.26 | 32 | 2.24 | 57 |
| 16 | 5/8 | 1/2 | -1008 | 7/8 | 22 | 1.1/16 | 27 | T2020-1008 | 1.18 | 30 | 2.40 | 61 |
| 16 | 5/8 | 5/8 | -1010 | 7/8 | 22 | 1.3/16 | 30 | T2020-1010 | 1.14 | 29 | 2.36 | 60 |
| 16 | 5/8 | 3/4 | -1012 | 7/8 | 22 | 1.1/4 | 32 | T2020-1012 | 1.30 | 33 | 2.52 | 64 |
| 19 | 3/4 | 1/2 | -1208 | 1.1/16 | 27 | 1.1/16 | 27 | T2020-1208 | 1.34 | 34 | 2.52 | 64 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 1.1/4 | 32 | T2020-1212 | 1.30 | 33 | 2.44 | 62 |
| 19 | 3/4 | 1 | -1216 | 1.1/16 | 27 | 1.1/2 | 38 | T2020-1216 | 1.54 | 39 | 2.72 | 69 |
| 25 | 1 | 3/4 | -1612 | 1.1/4 | 32 | 1.1/4 | 32 | T2020-1612 | 1.42 | 36 | 2.64 | 67 |
| 25 | 1 | 1 | -1616 | 1.1/4 | 32 | 1.1/2 | 38 | T2020-1616 | 1.50 | 38 | 2.72 | 69 |
| 25 | 1 | 1.1/4 | -1620 | 1.1/4 | 32 | 2 | 50 | T2020-1620 | 1.69 | 43 | 2.91 | 74 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.5/8 | 41 | 2 | 50 | T2020-2020 | 1.77 | 45 | 3.70 | 94 |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2 | 50 | 2.3/16 | 55 | T2020-2424 | 1.85 | 47 | 3.90 | 99 |
| 51 | 2 | 2 | -3232 | | 65 | 2.3/4 | 70 | T2020-3232 | 2.17 | 55 | 4.37 | 111 |
| 63 | 2.1/2 | 2.1/2 | -4040 | | | 3.1/2 | 90 | T2020-4040 | 1.73 | 44 | 4.72 | 120 |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

BSPT T2320

60° SEAT

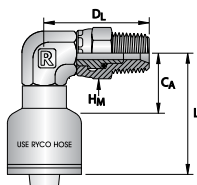


| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | | BSPT MALE SWIVEL | | | | |
|-----------|------|-----------|-----------|----------|----|-------------------|----------------|----|------|----|
| DN | inch | inch | | inch | mm | PART NO | C _A | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 10 | 3/8 | 3/8 | -0606 | 5/8 | 16 | T2320-0606 | 1.85 | 47 | 2.83 | 72 |
| 10 | 3/8 | 1/2 | -0608 | 5/8 | 16 | T2320-0608 | 2.05 | 52 | 3.03 | 77 |
| 12 | 1/2 | 1/2 | -0808 | 3/4 | 19 | T2320-0808 | 2.01 | 51 | 2.99 | 76 |

NOTE: The "Live Swivel" **T2320**, Series Couplings is for Maximum Working Pressure: 420 bar (6100 psi): -04 & -06 Thread Size, 350 bar (5100 psi): -08 Thread Size, 280 bar (4100 psi): -12 Thread Size, 215 bar (3100 psi): -16 Thread Size. Their swivel capability is to allow easy installation and orientation and avoid twisting of hose. They are not designed for continuous rotation or continuous movement.

BSPT T2340

60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | | BSPT MALE SWIVEL 90° ELBOW | | | | | | |
|-----------|------|-----------|-----------|----------|----|----------------------------|----------------|----|------|----|----------------|----|
| DN | inch | inch | | inch | mm | PART NO | C _A | | L | | D _L | |
| | | | | inch | mm | | inch | mm | inch | mm | inch | mm |
| 10 | 3/8 | 3/8 | -0606 | 3/4 | 19 | T2340-0606 | 1.22 | 31 | 2.20 | 56 | 1.77 | 45 |
| 10 | 3/8 | 1/2 | -0608 | 3/4 | 19 | T2340-0608 | 1.22 | 31 | 2.20 | 56 | 1.97 | 50 |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | T2340-0808 | 1.46 | 37 | 2.44 | 62 | 2.05 | 52 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | T2340-1212 | 1.57 | 40 | 2.72 | 69 | 1.77 | 45 |

NOTE: The "Live Swivel" **T2340** Series Couplings is for Maximum Working Pressure: 420 bar (6100 psi): -04 & -06 Thread Size, 350 bar (5100 psi): -08 Thread Size, 280 bar (4100 psi): -12 Thread Size, 215 bar (3100 psi): -16 Thread Size. Their swivel capability is to allow easy installation and orientation and avoid twisting of hose. They are not designed for continuous rotation or continuous movement.

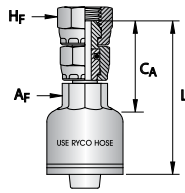
NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|-------------|---------------|
| BSPP | T2028B |
|-------------|---------------|

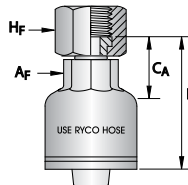
60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | BSPP FEMALE LIVE SWIVEL | | | | | |
|-----------|------|-----------|-----------|------------|----|------------|----|-------------------------|------|----|------|----|--|
| DN | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | Ca | | L | | |
| | | | | inch | mm | inch | mm | | inch | mm | inch | mm | |
| 6 | 1/4 | 1/4 | -0404 | 1/2 | | 3/4 | 19 | T2028B-0404 | 1.65 | 42 | 2.64 | 67 | |
| 10 | 3/8 | 1/4 | -0604 | 5/8 | 16 | 3/4 | 19 | T2028B-0604 | 1.73 | 44 | 2.72 | 69 | |

| | |
|-------------|--------------|
| BSPP | T2024 |
|-------------|--------------|

FLAT FACE



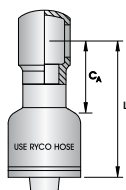
| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | BSPP FEMALE FLAT FACE | | | | | |
|-----------|------|-----------|-----------|------------|----|------------|----|-----------------------|------|----|------|----|--|
| DN | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | Ca | | L | | |
| | | | | inch | mm | inch | mm | | inch | mm | inch | mm | |
| 6 | 1/4 | 1/4 | -0404 | 1/2 | | 3/4 | 19 | T2024-0404 | 0.83 | 21 | 1.81 | 46 | |
| 10 | 3/8 | 3/8 | -0606 | 5/8 | 16 | 7/8 | 22 | T2024-0606 | 0.98 | 25 | 1.97 | 50 | |
| 10 | 3/8 | 1/2 | -0608 | 5/8 | 16 | 1.1/16 | 27 | T2024-0608 | 1.06 | 27 | 2.05 | 52 | |
| 12 | 1/2 | 1/2 | -0808 | 3/4 | 19 | 1.1/16 | 27 | T2024-0808 | 0.91 | 23 | 1.89 | 48 | |
| 12 | 1/2 | 3/4 | -0812 | 3/4 | 19 | 1.1/4 | 32 | T2024-0812 | 1.42 | 36 | 2.40 | 61 | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 1.1/4 | 32 | T2024-1212 | 1.30 | 33 | 2.44 | 62 | |
| 19 | 3/4 | 1 | -1216 | 1.1/16 | 27 | 1.1/2 | 38 | T2024-1216 | 1.42 | 36 | 2.60 | 66 | |
| 25 | 1 | 1 | -1616 | 1.1/4 | 32 | 1.1/2 | 38 | T2024-1616 | 1.50 | 38 | 2.72 | 69 | |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

BSP - BANJO T2475

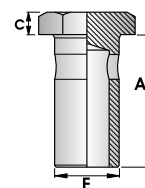
STRAIGHT



| HOSE SIZE | | THRD SIZE | DASH SIZE | BSP BANJO | | | | |
|-----------|------|-----------|-----------|-------------------|------|----|------|----|
| DN | inch | inch | | PART NO | CA | | L | |
| | | | | | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | T2475-0404 | 1.22 | 31 | 2.24 | 57 |
| 6 | 1/4 | 3/8 | -0406 | T2475-0406 | 1.30 | 33 | 2.32 | 59 |
| 6 | 1/4 | 1/2 | -0408 | T2475-0408 | 1.34 | 34 | 2.36 | 60 |
| 8 | 5/16 | 3/8 | -0506 | T2475-0506 | 1.42 | 36 | 2.40 | 61 |
| 10 | 3/8 | 1/4 | -0604 | T2475-0604 | 1.30 | 33 | 2.28 | 58 |
| 10 | 3/8 | 3/8 | -0606 | T2475-0606 | 1.38 | 35 | 2.36 | 60 |
| 10 | 3/8 | 1/2 | -0608 | T2475-0608 | 1.42 | 36 | 2.40 | 61 |
| 12 | 1/2 | 3/8 | -0806 | T2475-0806 | 1.42 | 36 | 2.40 | 61 |
| 12 | 1/2 | 1/2 | -0808 | T2475-0808 | 1.46 | 37 | 2.44 | 62 |
| 12 | 1/2 | 3/4 | -0812 | T2475-0812 | 1.57 | 40 | 2.56 | 65 |
| 16 | 5/8 | 5/8 | -1010 | T2475-1010 | 1.34 | 34 | 2.56 | 65 |
| 16 | 5/8 | 3/4 | -1012 | T2475-1012 | 1.46 | 37 | 2.68 | 68 |
| 19 | 3/4 | 3/4 | -1212 | T2475-1212 | 1.61 | 41 | 2.76 | 70 |
| 25 | 1 | 1 | -1616 | T2475-1616 | 1.89 | 48 | 3.11 | 79 |

NOTE: Other configurations available on request. For RL21D Seal see RYCO Adaptor Catalogue.

BSP BANJO BOLT BBB

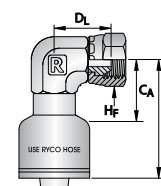
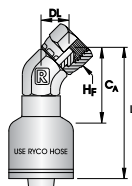


| THREAD SIZE E | DIMENSIONS (MM) | | | BSP BANJO BOLT |
|---------------|-----------------|------|-----|----------------|
| | A | C | A/F | |
| inch | | | | PART NO |
| G1/4"-19 | 28,5 | 6,0 | 19 | BBB-04 |
| G3/8"-19 | 38,5 | 7,0 | 22 | BBB-06 |
| G1/2"-14 | 44,0 | 8,5 | 27 | BBB-08 |
| G5/8"-14 | 48,5 | 10,0 | 30 | BBB-10 |
| G3/4"-14 | 56,0 | 10,0 | 32 | BBB-12 |
| G1"-11 | 68,5 | 13,0 | 41 | BBB-16 |

NOTE: RL21D Seals for BBB Banjo Bolts can be found on page 402.

BSPP T2060 T2050

60° SEAT



| HOSE SIZE | THRD SIZE | DASH SIZE | FEMALE HEX | | BSPP FEMALE 45° ELBOW | | | | | | BSPP FEMALE 90° ELBOW | | | | | | | | | |
|-----------|-----------|-----------|------------|---------|-----------------------|-------------------|------|----|------|----|-----------------------|----|-------------------|------|------|------|------|------|------|----|
| | | | Hf | SPANNER | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | |
| DN | inch | inch | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | 3/4 | 19 | T2060-0404 | 0.83 | 21 | 1.85 | 47 | 0.59 | 15 | T2050-0404 | 1.10 | 28 | 2.13 | 54 | 0.94 | 24 | |
| 6 | 1/4 | 3/8 | -0406 | 7/8 | 22 | | | | | | | | T2050-0406 | 1.10 | 28 | 2.13 | 54 | 1.10 | 28 | |
| 8 | 5/16 | 3/8 | -0506 | 7/8 | 22 | | | | | | | | T2050-0506 | 1.10 | 28 | 2.09 | 53 | 1.10 | 28 | |
| 10 | 3/8 | 1/4 | -0604 | 3/4 | 19 | | | | | | | | T2050-0604 | 1.18 | 30 | 2.17 | 55 | 0.94 | 24 | |
| 10 | 3/8 | 3/8 | -0606 | 7/8 | 22 | T2060-0606 | 0.98 | 25 | 1.97 | 50 | 0.71 | 18 | T2050-0606 | 1.22 | 31 | 2.20 | 56 | 1.10 | 28 | |
| 10 | 3/8 | 1/2 | -0608 | 1.1/16 | 27 | | | | | | | | T2050-0608 | 1.22 | 31 | 2.20 | 56 | 1.22 | 31 | |
| 12 | 1/2 | 1/2 | -0808 | 1.1/16 | 27 | T2060-0808 | 1.14 | 29 | 2.13 | 54 | 0.71 | 18 | T2050-0808 | 1.46 | 37 | 2.44 | 62 | 1.22 | 31 | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | T2060-1212 | 1.34 | 34 | 2.48 | 63 | 0.79 | 20 | T2050-1212 | 1.57 | 40 | 2.72 | 69 | 1.42 | 36 | |
| 25 | 1 | 1 | -1616 | 1.1/2 | 38 | T2060-1616 | 1.38 | 35 | 2.60 | 66 | 1.02 | 26 | T2050-1616 | 1.54 | 39 | 2.76 | 70 | 1.77 | 45 | |
| 31 | 1.1/4 | 1.1/4 | -2020 | 2 | 50 | T2060-2020 | 1.46 | 37 | 3.43 | 87 | 1.14 | 29 | T2050-2020 | 2.05 | 52 | 3.98 | 101 | 2.05 | 52 | |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2.3/16 | 55 | | | | | | | | T2050-2424 | 2.36 | 60 | 4.41 | 112 | 2.32 | 59 | |
| 51 | 2 | 2 | -3232 | 2.3/4 | 70 | | | | | | | | T2050-3232 | 2.20 | 56 | 4.45 | 113 | 2.44 | 62 | |

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

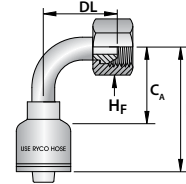
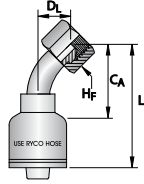
TECHNICAL

COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-------------|--------------|--------------|
| BSPP | T2270 | T2260 |
|-------------|--------------|--------------|

60° SEAT



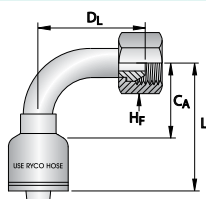
| HOSE SIZE | THRD SIZE | DASH SIZE | FEMALE HEX | BSPP FEMALE 45° TUBE BEND | | | | | | | BSPP FEMALE 90° TUBE BEND | | | | | | | | | |
|-----------|-----------|-----------|------------|---------------------------|----|-------------------|------|-----|------|-----|---------------------------|----|-------------------|-------------------|------|------|------|------|------|----|
| | | | | HF-SPANNER | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | | |
| DN | inch | inch | | inch | mm | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm | |
| 5 | 3/16 | 1/8 | -0302 | | 14 | | | | | | | | | T2260-0302 | 1.06 | 27 | 1.85 | 47 | 1.14 | 29 |
| 5 | 3/16 | 1/4 | -0304 | 3/4 | 19 | | | | | | | | | T2260-0304 | 1.06 | 27 | 1.85 | 47 | 1.14 | 29 |
| 6 | 1/4 | 1/8 | -0402 | | 14 | | | | | | | | | T2260-0402 | 1.06 | 27 | 2.05 | 52 | 1.18 | 30 |
| 6 | 1/4 | 1/4 | -0404 | 3/4 | 19 | T2270-0404 | 1.57 | 40 | 2.56 | 65 | 0.67 | 17 | T2260-0404 | 1.26 | 32 | 2.24 | 57 | 1.14 | 29 | |
| 6 | 1/4 | 3/8 | -0406 | 7/8 | 22 | T2270-0406 | 1.61 | 41 | 2.60 | 66 | 0.71 | 18 | T2260-0406 | 1.06 | 27 | 2.05 | 52 | 1.10 | 28 | |
| 8 | 5/16 | 1/4 | -0504 | 3/4 | 19 | | | | | | | | | T2260-0504 | 1.14 | 29 | 2.13 | 54 | 1.26 | 32 |
| 8 | 5/16 | 3/8 | -0506 | 7/8 | 22 | T2270-0506 | 1.61 | 41 | 2.60 | 66 | 0.71 | 18 | T2260-0506 | 1.38 | 35 | 2.36 | 60 | 1.30 | 33 | |
| 10 | 3/8 | 1/4 | -0604 | 3/4 | 19 | | | | | | | | | T2260-0604 | 1.18 | 30 | 2.17 | 55 | 1.14 | 29 |
| 10 | 3/8 | 3/8 | -0606 | 7/8 | 22 | T2270-0606 | 1.61 | 41 | 2.60 | 66 | 0.71 | 18 | T2260-0606 | 1.38 | 35 | 2.36 | 60 | 1.30 | 33 | |
| 10 | 3/8 | 1/2 | -0608 | 1.1/16 | 27 | T2270-0608 | 1.77 | 45 | 2.76 | 70 | 0.79 | 20 | T2260-0608 | 1.38 | 35 | 2.36 | 60 | 1.30 | 33 | |
| 12 | 1/2 | 3/8 | -0806 | 7/8 | 22 | | | | | | | | | T2260-0806 | 1.61 | 41 | 2.60 | 66 | 1.30 | 33 |
| 12 | 1/2 | 1/2 | -0808 | 1.1/16 | 27 | T2270-0808 | 1.97 | 50 | 2.95 | 75 | 0.87 | 22 | T2260-0808 | 1.61 | 41 | 2.60 | 66 | 1.77 | 45 | |
| 12 | 1/2 | 5/8 | -0810 | 1.3/16 | 30 | T2270-0810 | 1.93 | 49 | 2.91 | 74 | 0.91 | 23 | T2260-0810 | 1.61 | 41 | 2.60 | 66 | 1.77 | 45 | |
| 12 | 1/2 | 3/4 | -0812 | 1.1/4 | 32 | | | | | | | | | T2260-0812 | 1.61 | 41 | 2.60 | 66 | 1.85 | 47 |
| 16 | 5/8 | 5/8 | -1010 | 1.3/16 | 30 | T2270-1010 | 2.44 | 62 | 3.66 | 93 | 0.91 | 23 | T2260-1010 | 1.77 | 45 | 2.99 | 76 | 1.97 | 50 | |
| 12 | 1/2 | 3/4 | -1012 | 1.1/4 | 32 | T2270-1012 | 2.28 | 58 | 3.50 | 89 | 1.10 | 28 | T2260-1012 | 1.77 | 45 | 2.76 | 70 | 1.97 | 50 | |
| 19 | 3/4 | 1/2 | -1208 | 1.1/16 | 27 | | | | | | | | | T2260-1208 | 2.17 | 55 | 3.35 | 85 | 1.77 | 45 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | T2270-1212 | 3.11 | 79 | 4.25 | 108 | 1.14 | 29 | T2260-1212 | 2.32 | 59 | 3.50 | 89 | 2.32 | 59 | |
| 19 | 3/4 | 1 | -1216 | 1.1/2 | 38 | | | | | | | | | T2260-1216 | 2.32 | 59 | 3.50 | 89 | 2.32 | 59 |
| 25 | 1 | 1 | -1616 | 1.1/2 | 38 | T2270-1616 | 3.35 | 85 | 4.57 | 116 | 1.65 | 42 | T2260-1616 | 2.68 | 68 | 3.90 | 99 | 3.07 | 78 | |
| 31 | 1.1/4 | 1 | -2016 | 1.1/2 | 38 | | | | | | | | | T2260-2016 | 3.54 | 90 | 5.47 | 139 | 3.03 | 77 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 2 | 50 | T2270-2020 | 6.50 | 165 | 8.46 | 215 | 1.81 | 46 | T2260-2020 | 3.94 | 100 | 5.87 | 149 | 3.58 | 91 | |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2.3/16 | 55 | T2270-2424 | 5.04 | 128 | 7.09 | 180 | 2.05 | 52 | T2260-2424 | 4.17 | 106 | 6.22 | 158 | 4.13 | 105 | |
| 51 | 2 | 2 | -3232 | 2.3/4 | 70 | T2270-3232 | 5.91 | 150 | 8.11 | 206 | 2.56 | 65 | T2260-3232 | 5.39 | 137 | 7.60 | 193 | 5.20 | 132 | |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

BSPP T2210

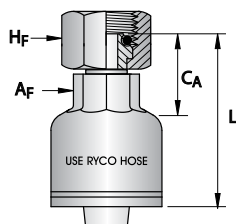
60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | | PART NO | BSPP FEMALE 90° LONG BEND | | CA | | L | | DL | |
|-----------|-------|-----------|-----------|------------|----|-------------------|---------------------------|-----|------|-----|------|-----|------|----|
| DN | inch | inch | | inch | mm | | inch | mm | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | 3/4 | 19 | T2210-0404 | 2.36 | 60 | 3.35 | 85 | 2.01 | 51 | | |
| 10 | 3/8 | 3/8 | -0606 | 7/8 | 22 | T2210-0606 | 1.93 | 49 | 2.91 | 74 | 2.32 | 59 | | |
| 12 | 1/2 | 1/2 | -0808 | 1.1/16 | 27 | T2210-0808 | 2.36 | 60 | 3.35 | 85 | 2.83 | 72 | | |
| 12 | 1/2 | 5/8 | -0810 | 1.3/16 | 30 | T2210-0810 | 2.36 | 60 | 3.35 | 85 | 2.83 | 72 | | |
| 16 | 5/8 | 5/8 | -1010 | 1.3/16 | 30 | T2210-1010 | 2.01 | 51 | 3.23 | 82 | 3.19 | 81 | | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | T2210-1212 | 2.32 | 59 | 3.50 | 89 | 3.74 | 95 | | |
| 25 | 1 | 1 | -1616 | 1.1/2 | 38 | T2210-1616 | 2.56 | 65 | 3.78 | 96 | 4.57 | 116 | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | 2 | 50 | T2210-2020 | 4.21 | 107 | 6.14 | 156 | 1.81 | 46 | | |

BSPO T2027

60° SEAT
O RING



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP AF | FEMALE HEX | | PART NO | BSPO FEMALE | | CA | | L | | |
|-----------|-------|-----------|-----------|------------|------------|--------|---------|-------------------|------|----|------|-----|------|----|
| DN | inch | inch | | inch | mm | inch | | mm | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 1/8 | -0402 | 1/2 | | 9/16 | 14 | T2027-0402 | 0.87 | 22 | 1.89 | 48 | | |
| 6 | 1/4 | 1/4 | -0404 | 1/2 | | 3/4 | 19 | T2027-0404 | 0.91 | 23 | 1.89 | 48 | | |
| 6 | 1/4 | 3/8 | -0406 | 1/2 | | 7/8 | 22 | T2027-0406 | 1.06 | 27 | 2.05 | 52 | | |
| 12 | 1/2 | 1/2 | -0808 | 3/4 | 19 | 1.1/16 | 27 | T2027-0808 | 1.10 | 28 | 2.09 | 53 | | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 1.1/4 | 32 | T2027-1212 | 1.30 | 33 | 2.44 | 62 | | |
| 25 | 1 | 1 | -1616 | 1.1/4 | 32 | 1.1/2 | 38 | T2027-1616 | 1.50 | 38 | 2.72 | 69 | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.5/8 | 41 | 2 | 50 | T2027-2020 | 1.77 | 45 | 3.70 | 94 | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2 | 50 | 2.3/16 | 55 | T2027-2424 | 1.85 | 47 | 3.90 | 99 | | |
| 51 | 2 | 2 | -3232 | | 65 | 2.3/4 | 70 | T2027-3232 | 2.17 | 55 | 4.37 | 111 | | |

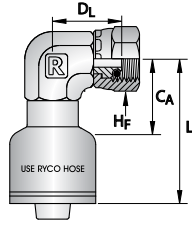
NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|-------------|--------------|
| BSP0 | T2057 |
|-------------|--------------|

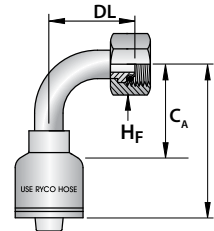
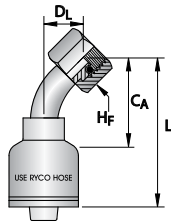
60° SEAT
O RING



| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | | BSPO FEMALE 90° ELBOW | | | | | | |
|-----------|------|-----------|-----------|------------|----|-----------------------|------|----|------|----|------|----|
| DN | inch | inch | | HF-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | inch | mm | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | 3/4 | 19 | T2057-0404 | 1.10 | 28 | 2.13 | 54 | 0.94 | 24 |
| 10 | 3/8 | 3/8 | -0606 | 7/8 | 22 | T2057-0606 | 1.22 | 31 | 2.20 | 56 | 1.10 | 28 |
| 12 | 1/2 | 1/2 | -0808 | 1.1/16 | 27 | T2057-0808 | 1.46 | 37 | 2.44 | 62 | 1.30 | 33 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | T2057-1212 | 1.57 | 40 | 2.72 | 69 | 1.42 | 36 |

| | | |
|-------------|--------------|--------------|
| BSP0 | T2277 | T2267 |
|-------------|--------------|--------------|

60° SEAT
O RING



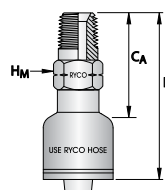
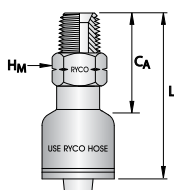
| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | | BSPO FEMALE 45° TUBE BEND | | | | | | BSPO FEMALE 90° TUBE BEND | | | | | | | |
|-----------|-------|-----------|-----------|------------|----|---------------------------|------|-----|------|-----|------|---------------------------|-------------------|------|-----|------|-----|------|-----|
| DN | inch | inch | | HF-SPANNER | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | inch | mm | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 1/8 | -0402 | | 14 | T2277-0402 | 1.06 | 27 | 1.85 | 47 | 1.14 | 29 | T2267-0402 | 1.06 | 27 | 2.05 | 52 | 1.18 | 30 |
| 6 | 1/4 | 1/4 | -0404 | 3/4 | 19 | T2277-0404 | 1.57 | 40 | 2.56 | 65 | 0.67 | 17 | T2267-0404 | 1.26 | 32 | 2.24 | 57 | 1.14 | 29 |
| 10 | 3/8 | 3/8 | -0606 | 7/8 | 22 | T2277-0606 | 1.61 | 41 | 2.60 | 66 | 0.71 | 18 | T2267-0606 | 1.38 | 35 | 2.36 | 60 | 1.30 | 33 |
| 12 | 1/2 | 1/2 | -0808 | 1.1/16 | 27 | T2277-0808 | 1.97 | 50 | 2.95 | 75 | 0.87 | 22 | T2267-0808 | 1.61 | 41 | 2.60 | 66 | 1.77 | 45 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | T2277-1212 | 3.11 | 79 | 4.25 | 108 | 1.14 | 29 | T2267-1212 | 2.32 | 59 | 3.50 | 89 | 2.32 | 59 |
| 25 | 1 | 1 | -1616 | 1.1/2 | 38 | T2277-1616 | 3.35 | 85 | 4.57 | 116 | 1.65 | 42 | T2267-1616 | 2.68 | 68 | 3.90 | 99 | 3.07 | 78 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 2 | 50 | T2277-2020 | 6.50 | 165 | 8.46 | 215 | 1.81 | 46 | T2267-2020 | 3.94 | 100 | 5.87 | 149 | 3.58 | 91 |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2.3/16 | 55 | T2277-2424 | 5.04 | 128 | 7.09 | 180 | 2.05 | 52 | T2267-2424 | 4.17 | 106 | 6.22 | 158 | 4.13 | 105 |
| 51 | 2 | 2 | -3232 | 2.3/4 | 70 | T2277-3232 | 5.91 | 150 | 8.11 | 206 | 2.56 | 65 | T2267-3232 | 5.39 | 137 | 7.60 | 193 | 5.20 | 132 |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|------------|--------------|--------------|
| NPT | T2090 | T2091 |
|------------|--------------|--------------|

60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | | NPT MALE | | | | NPT MALE EXTENDED | | | | | |
|-----------|-------|-----------|-----------|------------|----|-------------------|------|----|------|-------------------|-------------------|------|----|------|----|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 5 | 3/16 | 1/8 | -0302 | 1/2 | | T2090-0302 | 0.91 | 23 | 1.65 | 42 | | | | | |
| 5 | 3/16 | 1/4 | -0304 | 9/16 | | T2090-0304 | 1.14 | 29 | 1.93 | 49 | | | | | |
| 6 | 1/4 | 1/8 | -0402 | 1/2 | | T2090-0402 | 1.10 | 28 | 2.13 | 54 | | | | | |
| 6 | 1/4 | 1/4 | -0404 | 9/16 | | T2090-0404 | 1.26 | 32 | 2.24 | 57 | | | | | |
| 6 | 1/4 | 3/8 | -0406 | 3/4 | 19 | T2090-0406 | 1.34 | 34 | 2.32 | 59 | T2091-0406 | 1.61 | 41 | 2.64 | 67 |
| 6 | 1/4 | 1/2 | -0408 | 7/8 | 22 | T2090-0408 | 1.54 | 39 | 2.56 | 65 | | | | | |
| 8 | 5/16 | 1/4 | -0504 | 9/16 | | T2090-0504 | 1.34 | 34 | 2.32 | 59 | | | | | |
| 8 | 5/16 | 3/8 | -0506 | 3/4 | 19 | T2090-0506 | 1.34 | 34 | 2.32 | 59 | | | | | |
| 10 | 3/8 | 1/4 | -0604 | 9/16 | | T2090-0604 | 1.38 | 35 | 2.36 | 60 | | | | | |
| 10 | 3/8 | 3/8 | -0606 | 3/4 | 19 | T2090-0606 | 1.38 | 35 | 2.36 | 60 | T2091-0606 | 1.69 | 43 | 2.68 | 68 |
| 10 | 3/8 | 1/2 | -0608 | 7/8 | 22 | T2090-0608 | 1.61 | 41 | 2.60 | 66 | | | | | |
| 12 | 1/2 | 3/8 | -0806 | 3/4 | 19 | T2090-0806 | 1.50 | 38 | 2.48 | 63 | | | | | |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | T2090-0808 | 1.65 | 42 | 2.64 | 67 | | | | | |
| 12 | 1/2 | 3/4 | -0812 | 1.1/16 | 27 | T2090-0812 | 1.73 | 44 | 2.72 | 69 | | | | | |
| 16 | 5/8 | 1/2 | -1008 | 7/8 | 22 | T2090-1008 | 1.61 | 41 | 2.83 | 72 | | | | | |
| 16 | 5/8 | 3/4 | -1012 | 1.1/16 | 27 | T2090-1012 | 1.61 | 41 | 2.83 | 72 | | | | | |
| 19 | 3/4 | 1/2 | -1208 | 7/8 | 22 | T2090-1208 | 1.81 | 46 | 2.95 | 75 | | | | | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | T2090-1212 | 1.85 | 47 | 3.03 | 77 | | | | | |
| 19 | 3/4 | 1 | -1216 | 1.3/8 | | T2090-1216 | 2.09 | 53 | 3.23 | 82 | | | | | |
| 25 | 1 | 3/4 | -1612 | 1.1/16 | 27 | T2090-1612 | 1.85 | 47 | 3.07 | 78 | | | | | |
| 25 | 1 | 1 | -1616 | 1.3/8 | | T2090-1616 | 2.09 | 53 | 3.27 | 83 | | | | | |
| 25 | 1 | 1.1/4 | -1620 | 1.3/4 | | T2090-1620 | 2.17 | 55 | 3.39 | 86 | | | | | |
| 31 | 1.1/4 | 1 | -2016 | 1.3/8 | | T2090-2016 | 2.28 | 58 | 4.21 | 107 | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.3/4 | | T2090-2020 | 2.36 | 60 | 4.29 | 109 | | | | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2 | 50 | T2090-2424 | 2.17 | 55 | 4.21 | 107 | | | | | |
| 51 | 2 | 2 | -3232 | 2.1/2 | | T2090-3232 | 2.60 | 66 | 4.80 | 122 | | | | | |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

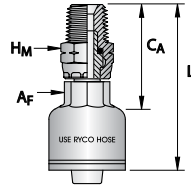
COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

NPT

T2320N

60° SEAT



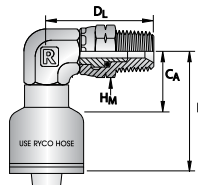
| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP A _F | | MALE HEX | | NPT MALE SWIVEL | | | | | |
|-----------|------|-----------|-----------|-------------------------|----|-------------------------|----|--------------------|------|----------------|------|------|----|
| DN | inch | inch | | A _F -SPANNER | | H _M -SPANNER | | PART NO | | C _A | | L | |
| | | | | inch | mm | inch | mm | | | inch | mm | inch | mm |
| 6 | 1/4 | 1/8 | -0402 | 1/2 | | 1/2 | | T2320N-0402 | 1.93 | 49 | 2.95 | 75 | |
| 6 | 1/4 | 1/4 | -0404 | 1/2 | | 1/2 | | T2320N-0404 | 1.69 | 43 | 2.72 | 69 | |
| 6 | 1/4 | 3/8 | -0406 | 1/2 | | 1/2 | | T2320N-0406 | 1.85 | 47 | 2.87 | 73 | |
| 10 | 3/8 | 1/4 | -0604 | 5/8 | 16 | 5/8 | 16 | T2320N-0604 | 1.81 | 46 | 2.80 | 71 | |
| 10 | 3/8 | 3/8 | -0606 | 5/8 | 16 | 5/8 | 16 | T2320N-0606 | 1.93 | 49 | 2.91 | 74 | |
| 10 | 3/8 | 1/2 | -0608 | 5/8 | 16 | 5/8 | 16 | T2320N-0608 | 2.09 | 53 | 3.07 | 78 | |
| 12 | 1/2 | 3/8 | -0806 | 3/4 | 19 | 3/4 | 19 | T2320N-0806 | 1.97 | 50 | 2.95 | 75 | |
| 12 | 1/2 | 1/2 | -0808 | 3/4 | 19 | 3/4 | 19 | T2320N-0808 | 2.13 | 54 | 3.11 | 79 | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 1.1/16 | 27 | T2320N-1212 | 2.20 | 56 | 3.35 | 85 | |
| 25 | 1 | 1 | -1616 | 1.1/4 | 32 | 1.1/4 | 32 | T2320N-1616 | 2.56 | 65 | 3.78 | 96 | |

NOTE: The "Live Swivel" T2320N Series Coupling is for Maximum Working Pressure: 420 bar (6100 psi): -04 & -06 Thread Size, 350 bar (5100 psi): -08 Thread Size, 280 bar (4100 psi): -12 Thread Size, 215 bar (3100 psi): -16 Thread Size. Their swivel capability is to allow easy installation and orientation and avoid twisting of hose. They are not designed for continuous rotation or continuous movement.

NPT

T2340N

60° SEAT



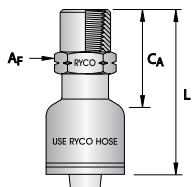
| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | | NPT MALE SWIVEL 90° ELBOW | | | | | | | |
|-----------|------|-----------|-----------|-------------------------|----|---------------------------|------|----------------|------|------|------|----------------|----|
| DN | inch | inch | | H _M -SPANNER | | PART NO | | C _A | | L | | D _L | |
| | | | | inch | mm | | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | 9/16 | | T2340N-0404 | 1.10 | 28 | 2.13 | 54 | 1.61 | 41 | |
| 10 | 3/8 | 3/8 | -0606 | 3/4 | 19 | T2340N-0606 | 1.22 | 31 | 2.20 | 56 | 1.85 | 47 | |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | T2340N-0808 | 1.46 | 37 | 2.44 | 62 | 2.09 | 53 | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | T2340N-1212 | 1.57 | 40 | 2.72 | 69 | 2.24 | 57 | |
| 25 | 1 | 1 | -1616 | 1.5/16 | | T2340N-1616 | 1.54 | 39 | 2.76 | 70 | 2.80 | 71 | |

NOTE: The "Live Swivel" T2340N Series Coupling is for Maximum Working Pressure: 420 bar (6100 psi): -04 & -06 Thread Size, 350 bar (5100 psi): -08 Thread Size, 280 bar (4100 psi): -12 Thread Size, 215 bar (3100 psi): -16 Thread Size. Their swivel capability is to allow easy installation and orientation and avoid twisting of hose. They are not designed for continuous rotation or continuous movement.

NOTE: Hose Compatibility for the T2000 series can be found on page 189.

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

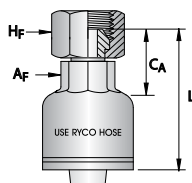
NPT T2190



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | | NPT FIXED FEMALE | | | | | |
|-----------|------|-----------|-----------|------------|----|-------------------|------|----|------|----|--|
| DN | inch | inch | | Af-SPANNER | | PART NO | Ca | | L | | |
| | | | | inch | mm | | inch | mm | inch | mm | |
| 6 | 1/4 | 1/8 | -0402 | 9/16 | | T2190-0402 | 0.87 | 22 | 1.89 | 48 | |
| 6 | 1/4 | 1/4 | -0404 | 3/4 | 19 | T2190-0404 | 1.22 | 31 | 2.20 | 56 | |
| 6 | 1/4 | 3/8 | -0406 | 7/8 | 22 | T2190-0406 | 1.26 | 32 | 2.24 | 57 | |
| 10 | 3/8 | 1/4 | -0604 | 3/4 | 19 | T2190-0604 | 1.30 | 33 | 2.28 | 58 | |
| 10 | 3/8 | 3/8 | -0606 | 7/8 | 22 | T2190-0606 | 1.34 | 34 | 2.32 | 59 | |
| 10 | 3/8 | 1/2 | -0608 | 1.1/16 | 27 | T2190-0608 | 1.61 | 41 | 2.60 | 66 | |
| 12 | 1/2 | 3/8 | -0806 | 7/8 | 22 | T2190-0806 | 1.34 | 34 | 2.32 | 59 | |
| 12 | 1/2 | 1/2 | -0808 | 1.1/16 | 27 | T2190-0808 | 1.61 | 41 | 2.60 | 66 | |
| 16 | 5/8 | 3/4 | -1012 | 1.3/8 | | T2190-1012 | 1.54 | 39 | 2.76 | 70 | |
| 19 | 3/4 | 3/4 | -1212 | 1.3/8 | | T2190-1212 | 1.73 | 44 | 2.87 | 73 | |

NPT T2020N

60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | NPSM FEMALE | | | | |
|-----------|-------|-----------|-----------|------------|----|------------|----|--------------------|------|------|------|-----|
| DN | inch | inch | | Af-SPANNER | | Hf-SPANNER | | Ca | | L | | |
| | | | | inch | mm | inch | mm | inch | mm | inch | mm | |
| 6 | 1/4 | 1/8 | -0402 | 1/2 | | 9/16 | | T2020N-0402 | 0.87 | 22 | 1.89 | 48 |
| 6 | 1/4 | 1/4 | -0404 | 1/2 | | 11/16 | | T2020N-0404 | 0.91 | 23 | 1.89 | 48 |
| 8 | 5/16 | 1/4 | -0504 | | 14 | 11/16 | | T2020N-0504 | 0.94 | 24 | 1.93 | 49 |
| 10 | 3/8 | 1/4 | -0604 | 5/8 | 16 | 11/16 | | T2020N-0604 | 0.94 | 24 | 1.93 | 49 |
| 10 | 3/8 | 3/8 | -0606 | 5/8 | 16 | 7/8 | 22 | T2020N-0606 | 1.02 | 26 | 2.01 | 51 |
| 10 | 3/8 | 1/2 | -0608 | 5/8 | 16 | 1.1/16 | 27 | T2020N-0608 | 1.18 | 30 | 2.17 | 55 |
| 12 | 1/2 | 1/2 | -0808 | 3/4 | 19 | 1.1/16 | 27 | T2020N-0808 | 1.10 | 28 | 2.09 | 53 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 1.1/4 | 32 | T2020N-1212 | 1.30 | 33 | 2.44 | 62 |
| 25 | 1 | 1 | -1616 | 1.1/4 | 32 | 1.1/2 | 38 | T2020N-1616 | 1.50 | 38 | 2.72 | 69 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.5/8 | 41 | 2 | 50 | T2020N-2020 | 1.77 | 45 | 3.70 | 94 |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2 | 50 | 2.1/4 | 57 | T2020N-2424 | 1.85 | 47 | 3.90 | 99 |
| 51 | 2 | 2 | -3232 | | 65 | 2.3/4 | 70 | T2020N-3232 | 2.17 | 55 | 4.37 | 111 |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

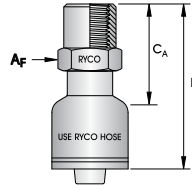
COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

GREASELINE SPECIAL

T2861

UNS

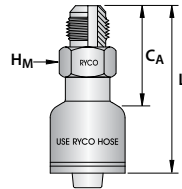


| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | | GREASE LINE FIXED FEMALE | | | | |
|-----------|------|--------------|-----------|------------|----|--------------------------|------|----|------|----|
| DN | inch | inch | | Af-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 1/2 - 27 TPI | -0408 | 11/16 | | T2861-0408 | 1.14 | 29 | 2.17 | 55 |

JIC - MALE

T2030 - T2031

37° FLARE



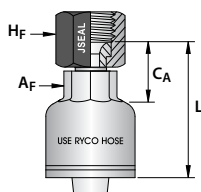
| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | | JIC MALE | | | | |
|-----------|-------|-----------|-----------|-----------|------------|----|-------------------|------|----|------|-----|
| DN | inch | inch | inch | | HM-SPANNER | | PART NO | CA | | L | |
| | | | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 1/2 | | T2030-0407 | 1.26 | 32 | 2.28 | 58 |
| | | | | | 12 | | T2031-0407 | | | | |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | | 14 | T2030-0408 | 1.22 | 31 | 2.24 | 57 |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 5/8 | 16 | T2030-0409 | 1.26 | 32 | 2.24 | 57 |
| 6 | 1/4 | 3/4 | 1/2 | -0412 | 3/4 | 19 | T2030-0412 | 1.42 | 36 | 2.40 | 61 |
| 8 | 5/16 | 1/2 | 5/16 | -0508 | | 14 | T2031-0508 | 1.30 | 33 | 2.28 | 58 |
| 8 | 5/16 | 9/16 | 3/8 | -0509 | 5/8 | 16 | T2030-0509 | 1.26 | 32 | 2.24 | 57 |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 5/8 | 16 | T2030-0609 | 1.42 | 36 | 2.40 | 61 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 3/4 | 19 | T2030-0612 | 1.46 | 37 | 2.44 | 62 |
| 10 | 3/8 | 7/8 | 5/8 | -0614 | 15/16 | 24 | T2030-0614 | 1.65 | 42 | 2.64 | 67 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 3/4 | 19 | T2030-0812 | 1.57 | 40 | 2.56 | 65 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 15/16 | 24 | T2030-0814 | 1.69 | 43 | 2.64 | 67 |
| 12 | 1/2 | 1.1/16 | 3/4 | -0817 | 1.1/16 | 27 | T2030-0817 | 1.81 | 46 | 2.80 | 71 |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 15/16 | 24 | T2030-1014 | 1.69 | 43 | 2.91 | 74 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1.1/16 | 27 | T2030-1017 | 1.69 | 43 | 2.91 | 74 |
| 19 | 3/4 | 7/8 | 5/8 | -1214 | 15/16 | 24 | T2030-1214 | 1.85 | 47 | 3.03 | 77 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/16 | 27 | T2030-1217 | 1.97 | 50 | 3.15 | 80 |
| 19 | 3/4 | 1.3/16 | 7/8 | -1219 | 1.1/4 | 32 | T2030-1219 | 2.01 | 51 | 3.19 | 81 |
| 19 | 3/4 | 1.5/16 | 1 | -1221 | 1.3/8 | | T2030-1221 | 2.05 | 52 | 3.19 | 81 |
| | | | | | 36 | | T2031-1221 | | | | |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.3/8 | | T2030-1621 | 2.01 | 51 | 3.23 | 82 |
| | | | | | 36 | | T2031-1621 | | | | |
| 25 | 1 | 1.5/8 | 1.1/4 | -1626 | 1.5/8 | 42 | T2030-1626 | 2.17 | 55 | 3.39 | 86 |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | 1.5/8 | 42 | T2030-2026 | 2.32 | 59 | 4.29 | 109 |
| 38 | 1.1/2 | 1.7/8 | 1.1/2 | -2430 | 2 | 50 | T2030-2430 | 2.24 | 57 | 4.29 | 109 |
| 51 | 2 | 2.1/2 | 2 | -3240 | 2.1/2 | | T2030-3240 | 2.87 | 73 | 5.12 | 130 |

NOTE: Hose Compatibility for the T2000 series can be found on page 189.

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|---------------------|----------------------|
| JSEAL™ / JIC | T2040 - T2041 |
|---------------------|----------------------|

CONVEX SEAT



| DN | HOSE SIZE | | | DASH SIZE | BACK UP Af | | FEMALE HEX | | PART NO | JSEAL™ / JIC FEMALE | | L | |
|----|-----------|--------|-------|-----------|------------|----|------------|----|-------------------|---------------------|----|------|-----|
| | inch | inch | inch | | inch | mm | inch | mm | | inch | mm | | |
| 5 | 3/16 | 7/16 | 1/4 | -0307 | 1/2 | | 9/16 | | T2040-0307 | 0.87 | 22 | 1.61 | 41 |
| | | | | | | | | 12 | T2041-0307 | | | | |
| 6 | 1/4 | 3/8 | 3/16 | -0406 | 1/2 | | 1/2 | | T2040-0406 | 0.87 | 22 | 1.85 | 47 |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 1/2 | | 9/16 | | T2040-0407 | 0.75 | 19 | 1.73 | 44 |
| | | | | | | 12 | | 14 | T2041-0407 | | | | |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 1/2 | | 5/8 | 16 | T2040-0408 | 0.83 | 21 | 1.85 | 47 |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 1/2 | | 11/16 | | T2040-0409 | 0.87 | 22 | 1.89 | 48 |
| | | | | | | 12 | 3/4 | 19 | T2041-0409 | | | | |
| 6 | 1/4 | 3/4 | 1/2 | -0412 | 1/2 | | 7/8 | 22 | T2040-0412 | 0.94 | 24 | 1.93 | 49 |
| 8 | 5/16 | 7/16 | 1/4 | -0507 | | 14 | 9/16 | | T2040-0507 | 0.87 | 22 | 1.85 | 47 |
| | | | | | | 14 | | 14 | T2041-0507 | | | | |
| 8 | 5/16 | 1/2 | 5/16 | -0508 | | 14 | 5/8 | 16 | T2040-0508 | 0.87 | 22 | 1.85 | 47 |
| 8 | 5/16 | 9/16 | 3/8 | -0509 | | 14 | 11/16 | | T2040-0509 | 0.87 | 22 | 1.89 | 48 |
| | | | | | | 14 | 3/4 | 19 | T2041-0509 | | | | |
| 8 | 5/16 | 3/4 | 1/2 | -0512 | | 14 | 7/8 | 22 | T2040-0512 | 0.98 | 25 | 2.01 | 51 |
| 10 | 3/8 | 7/16 | 1/4 | -0607 | 5/8 | 16 | 9/16 | | T2040-0607 | 0.87 | 22 | 1.85 | 47 |
| | | | | | 5/8 | 16 | | 14 | T2041-0607 | | | | |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 5/8 | 16 | 11/16 | | T2040-0609 | 0.87 | 22 | 1.85 | 47 |
| | | | | | 5/8 | 16 | 3/4 | 19 | T2041-0609 | | | | |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 5/8 | 16 | 7/8 | 22 | T2040-0612 | 1.02 | 26 | 2.01 | 51 |
| 10 | 3/8 | 7/8 | 5/8 | -0614 | 5/8 | 16 | 1.1/16 | 27 | T2040-0614 | 1.06 | 27 | 2.05 | 52 |
| 12 | 1/2 | 9/16 | 3/8 | -0809 | 3/4 | 19 | 11/16 | | T2040-0809 | 1.69 | 43 | 2.68 | 68 |
| | | | | | 3/4 | 19 | 3/4 | 19 | T2041-0809 | | | | |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 3/4 | 19 | 7/8 | 22 | T2040-0812 | 0.94 | 24 | 1.93 | 49 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 3/4 | 19 | 1.1/16 | 27 | T2040-0814 | 1.06 | 27 | 2.05 | 52 |
| 12 | 1/2 | 1.1/16 | 3/4 | -0817 | 3/4 | 19 | 1.1/4 | 32 | T2040-0817 | 1.22 | 31 | 2.20 | 56 |
| 16 | 5/8 | 3/4 | 1/2 | -1012 | 7/8 | 22 | 7/8 | 22 | T2040-1012 | 0.98 | 25 | 2.20 | 56 |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 7/8 | 22 | 1.1/16 | 27 | T2040-1014 | 1.06 | 27 | 2.24 | 57 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 7/8 | 22 | 1.1/4 | 32 | T2040-1017 | 1.18 | 30 | 2.40 | 61 |
| 19 | 3/4 | 3/4 | 1/2 | -1212 | 1.1/16 | 27 | 7/8 | 22 | T2040-1212 | 1.18 | 30 | 2.36 | 60 |
| 19 | 3/4 | 7/8 | 5/8 | -1214 | 1.1/16 | 27 | 1.1/16 | 27 | T2040-1214 | 1.34 | 34 | 2.48 | 63 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/16 | 27 | 1.1/4 | 32 | T2040-1217 | 1.22 | 31 | 2.40 | 61 |
| 19 | 3/4 | 1.3/16 | 7/8 | -1219 | 1.1/16 | 27 | 1.3/8 | | T2040-1219 | 1.22 | 31 | 2.40 | 61 |
| 19 | 3/4 | 1.5/16 | 1 | -1221 | 1.1/16 | 27 | 1.1/2 | 38 | T2040-1221 | 1.50 | 38 | 2.68 | 68 |
| 25 | 1 | 1.1/16 | 3/4 | -1617 | 1.1/4 | 32 | 1.1/4 | 32 | T2040-1617 | 1.34 | 34 | 2.56 | 65 |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.1/4 | 32 | 1.1/2 | 38 | T2040-1621 | 1.38 | 35 | 2.60 | 66 |
| 25 | 1 | 1.5/8 | 1.1/4 | -1626 | 1.1/4 | 32 | 2 | 50 | T2040-1626 | 1.61 | 41 | 2.83 | 72 |
| 25 | 1 | 1.7/8 | 1.1/2 | -1630 | 1.1/4 | 32 | 2.3/8 | 60 | T2040-1630 | 1.85 | 47 | 3.07 | 78 |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | 1.5/8 | 41 | 2 | 50 | T2040-2026 | 1.69 | 43 | 3.62 | 92 |
| 31 | 1.1/4 | 1.7/8 | 1.1/2 | -2030 | 1.5/8 | 41 | 2.1/4 | 57 | T2040-2030 | 2.05 | 52 | 3.98 | 101 |
| 38 | 1.1/2 | 1.7/8 | 1.1/2 | -2430 | 2 | 50 | 2.1/4 | 57 | T2040-2430 | 2.09 | 53 | 4.13 | 105 |
| 51 | 2 | 2.1/2 | 2 | -3240 | | 65 | 2.7/8 | 73 | T2040-3240 | 2.44 | 62 | 4.65 | 118 |
| 63 | 2.1/2 | 3 | 2.1/2 | -4048 | | | 3.1/2 | 90 | T2040-4048 | 1.54 | 39 | 4.57 | 116 |

NOTE: Hose Compatibility for the T2000 series can be found on page 189.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

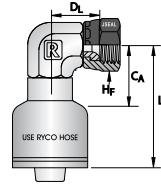
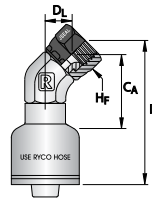
TECHNICAL

COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|--------------|---------------|---------------|
| JSEAL™ / JIC | T2080 - T2081 | T2070 - T2071 |
|--------------|---------------|---------------|

CONVEX SEAT



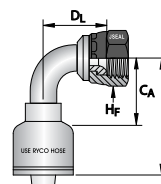
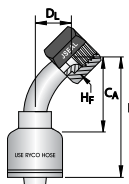
| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | JSEAL™ / JIC FEMALE 45° ELBOW | | | | | | | JSEAL™ / JIC FEMALE 90° ELBOW | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|-------------------------------|----|-------------------|------|----|------|----|-------------------------------|----|-------------------|------|------|------|------|------|----|
| | | | | | HF-SPANNER | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| DN | inch | inch | | | inch | mm | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | |
| 5 | 3/16 | 7/16 | 1/4 | -0307 | 9/16 | 14 | | | | | | | | T2070-0307 | 0.87 | 22 | 1.61 | 41 | 0.71 | 18 |
| | | | | | | | | | | | | | | T2071-0307 | | | | | | |
| 6 | 1/4 | 3/8 | 3/16 | -0406 | 1/2 | | T2080-0406 | 1.34 | 34 | 2.36 | 60 | 0.51 | 13 | T2070-0406 | 1.10 | 28 | 2.13 | 54 | 0.67 | 17 |
| | | | | | 9/16 | | T2080-0407 | 1.34 | 34 | 2.36 | 60 | 0.51 | 13 | T2070-0407 | 1.10 | 28 | 2.13 | 54 | 0.67 | 17 |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | | 14 | T2081-0407 | | | | | | | T2071-0407 | | | | | | |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 5/8 | 16 | T2080-0408 | 0.83 | 21 | 1.85 | 47 | 0.51 | 13 | T2070-0408 | 1.10 | 28 | 2.13 | 54 | 0.67 | 17 |
| | | | | | 11/16 | | T2080-0409 | 0.83 | 21 | 1.85 | 47 | 0.47 | 12 | T2070-0409 | 1.10 | 28 | 2.13 | 54 | 0.87 | 22 |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 3/4 | 19 | T2081-0409 | | | | | | | T2071-0409 | | | | | | |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 11/16 | | T2080-0609 | 0.98 | 25 | 1.97 | 50 | 0.55 | 14 | T2070-0609 | 1.22 | 31 | 2.20 | 56 | 0.91 | 23 |
| | | | | | 3/4 | 19 | T2081-0609 | | | | | | | T2071-0609 | | | | | | |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 7/8 | 22 | T2080-0612 | 0.98 | 25 | 1.97 | 50 | 0.59 | 15 | T2070-0612 | 1.22 | 31 | 2.20 | 56 | 0.94 | 24 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 7/8 | 22 | T2080-0812 | 1.14 | 29 | 2.13 | 54 | 0.63 | 16 | T2070-0812 | 1.46 | 37 | 2.44 | 62 | 1.06 | 27 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 1.1/16 | 27 | T2080-0814 | 1.14 | 29 | 2.13 | 54 | 0.67 | 17 | T2070-0814 | 1.46 | 37 | 2.44 | 62 | 1.22 | 31 |
| 12 | 1/2 | 1.1/16 | 3/4 | -0817 | 1.1/4 | 32 | | | | | | | | T2070-0817 | 1.46 | 37 | 2.44 | 62 | 1.26 | 32 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/4 | 32 | T2080-1217 | 1.34 | 34 | 2.48 | 63 | 0.67 | 17 | T2070-1217 | 1.57 | 40 | 2.72 | 69 | 1.26 | 32 |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.1/2 | 38 | T2080-1621 | 1.38 | 35 | 2.60 | 66 | 0.83 | 21 | T2070-1621 | 1.54 | 39 | 2.76 | 70 | 1.50 | 38 |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|---------------------|----------------------|----------------------|
| JSEAL™ / JIC | T2250 - T2251 | T2243 - T2244 |
|---------------------|----------------------|----------------------|

CONVEX SEAT



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | | JSEAL™ / JIC FEMALE 45° TUBE BEND | | | | | | JSEAL™ / JIC FEMALE 90° SHORT BEND | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|--------|-----------------------------------|-------------------|------|---------|------|-----|------------------------------------|----|-------------------|------|----|------|-----|------|----|
| | | | | inch | mm | CA | L | DL | PART NO | CA | L | DL | | | | | | | | |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 9/16 | | T2250-0407 | 1.57 | 40 | 2.56 | 65 | 0.59 | 15 | T2243-0407 | 1.46 | 37 | 2.44 | 62 | 0.83 | 21 |
| | | | | | | 14 | T2251-0407 | | | | | | | T2244-0407 | | | | | | |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 5/8 | 16 | T2250-0408 | 1.30 | 33 | 2.28 | 58 | 0.59 | 15 | | | | | | | |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 11/16 | | T2250-0409 | 1.30 | 33 | 2.28 | 58 | 0.59 | 15 | T2243-0409 | 1.06 | 27 | 2.05 | 52 | 0.87 | 22 |
| | | | | | 3/4 | 19 | T2251-0409 | | | | | | | T2244-0409 | | | | | | |
| 8 | 5/16 | 9/16 | 3/8 | -0509 | 11/16 | | T2250-0509 | 1.57 | 40 | 2.56 | 65 | 0.63 | 16 | | | | | | | |
| | | | | | 3/4 | 19 | T2251-0509 | | | | | | | | | | | | | |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 11/16 | | T2250-0609 | 1.50 | 38 | 2.48 | 63 | 0.55 | 14 | T2243-0609 | 1.22 | 31 | 2.20 | 56 | 0.91 | 23 |
| | | | | | 3/4 | 19 | T2251-0609 | | | | | | | T2244-0609 | | | | | | |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 7/8 | 22 | T2250-0612 | 1.54 | 39 | 2.52 | 64 | 0.67 | 17 | | | | | | | |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 7/8 | 22 | T2250-0812 | 3.03 | 77 | 4.02 | 102 | 0.83 | 21 | T2243-0812 | 1.69 | 43 | 2.68 | 68 | 1.14 | 29 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 1.1/16 | 27 | T2250-0814 | 1.85 | 47 | 2.83 | 72 | 0.87 | 22 | | | | | | | |
| 12 | 1/2 | 1.1/16 | 3/4 | -0817 | 1.1/4 | 32 | T2250-0817 | 1.85 | 47 | 2.83 | 72 | 0.83 | 21 | | | | | | | |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 1.1/16 | 27 | T2250-1014 | 2.44 | 62 | 3.66 | 93 | 0.94 | 24 | T2243-1014 | 2.09 | 53 | 3.31 | 84 | 1.34 | 34 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1.1/4 | 32 | T2250-1017 | 2.13 | 54 | 3.35 | 85 | 0.94 | 24 | | | | | | | |
| 19 | 3/4 | 7/8 | 5/8 | -1214 | 1.1/16 | 27 | T2250-1214 | 2.64 | 67 | 3.82 | 97 | 0.94 | 24 | T2243-1214 | 2.09 | 53 | 3.27 | 83 | 1.34 | 34 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/4 | 32 | T2250-1217 | 3.11 | 79 | 4.25 | 108 | 1.10 | 28 | T2243-1217 | 2.60 | 66 | 3.78 | 96 | 1.85 | 47 |
| 19 | 3/4 | 1.3/16 | 7/8 | -1219 | 1.3/8 | | T2250-1219 | 2.52 | 64 | 3.66 | 93 | 0.94 | 24 | | | | | | | |
| 19 | 3/4 | 1.5/16 | 1 | -1221 | 1.1/2 | 38 | T2250-1221 | 3.50 | 89 | 4.69 | 119 | 1.50 | 38 | | | | | | | |
| 25 | 1 | 1.1/16 | 3/4 | -1617 | 1.1/4 | 32 | | | | | | | | T2243-1617 | 2.17 | 55 | 3.39 | 86 | 1.85 | 47 |
| 25 | 1 | 1.5/16 | 115 | -1621 | 1.1/2 | 38 | T2250-1621 | 3.31 | 84 | 4.53 | 115 | 1.38 | 35 | T2243-1621 | 3.19 | 81 | 4.41 | 112 | 2.28 | 58 |
| 25 | 1 | 1.5/8 | 1.1/4 | -1626 | 2 | 50 | T2250-1626 | 5.39 | 137 | 6.61 | 168 | 1.54 | 39 | | | | | | | |
| 31 | 1.1/4 | 1.5/8 | 149 | -2026 | 2 | 50 | T2250-2026 | 3.94 | 100 | 5.87 | 149 | 1.54 | 39 | | | | | | | |
| 31 | 1.1/4 | 1.7/8 | 152 | -2030 | 2.1/4 | 57 | T2250-2030 | 4.06 | 103 | 5.98 | 152 | 1.65 | 42 | | | | | | | |
| 38 | 1.1/2 | 1.7/8 | 180 | -2430 | 2.1/4 | 57 | T2250-2430 | 5.04 | 128 | 7.09 | 180 | 1.97 | 50 | | | | | | | |
| 51 | 2 | 2.1/2 | 220 | -3240 | 2.7/8 | 73 | T2250-3240 | 6.46 | 164 | 8.66 | 220 | 2.48 | 63 | | | | | | | |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

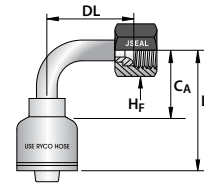
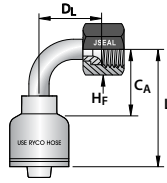
TECHNICAL

COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|--------------|---------------|---------------|
| JSEAL™ / JIC | T2240 - T2241 | T2280 - T2281 |
|--------------|---------------|---------------|

CONVEX SEAT



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | JSEAL™ / JIC FEMALE 90° MEDIUM BEND | | | | | | | JSEAL™ / JIC FEMALE 90° LONG BEND | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|-------------------------------------|------|------------|------|------|------|------|-----------------------------------|------|------------|------|-----|------|-----|------|-----|
| | | | | | DN | inch | inch | inch | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| | | | | | 9/16 | | T2240-0407 | 1.54 | 39 | 2.52 | 64 | 1.26 | 32 | T2280-0407 | 1.69 | 43 | 2.68 | 68 | 1.85 | 47 |
| | | | | | 14 | | T2241-0407 | | | | | | | T2281-0407 | | | | | | |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 5/8 | 16 | T2240-0408 | 1.26 | 32 | 2.24 | 57 | 1.26 | 32 | | | | | | | |
| | | | | | 11/16 | | T2240-0409 | 1.30 | 33 | 2.28 | 58 | 1.50 | 38 | T2280-0409 | 1.85 | 47 | 2.83 | 72 | 2.13 | 54 |
| | | | | | 3/4 | 19 | T2241-0409 | | | | | | | T2281-0409 | | | | | | |
| 6 | 1/4 | 3/4 | 1/2 | -0412 | 7/8 | 22 | T2240-0412 | 1.02 | 26 | 2.01 | 51 | 1.50 | 38 | | | | | | | |
| | | | | | 11/16 | | T2240-0509 | 1.38 | 35 | 2.36 | 60 | 1.18 | 30 | | | | | | | |
| | | | | | 3/4 | 19 | T2241-0509 | | | | | | | | | | | | | |
| 8 | 5/16 | 3/4 | 1/2 | -0512 | 7/8 | 22 | T2240-0512 | 1.38 | 35 | 2.36 | 60 | 1.61 | 41 | | | | | | | |
| | | | | | 11/16 | | T2240-0609 | 1.34 | 34 | 2.32 | 59 | 1.02 | 26 | T2280-0609 | 2.05 | 52 | 3.03 | 77 | 2.17 | 55 |
| | | | | | 3/4 | 19 | T2241-0609 | | | | | | | T2281-0609 | | | | | | |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 7/8 | 22 | T2240-0612 | 1.38 | 35 | 2.36 | 60 | 1.18 | 30 | T2280-0612 | 2.05 | 52 | 3.03 | 77 | 2.52 | 64 |
| 10 | 3/8 | 7/8 | 5/8 | -0614 | 1.1/16 | 27 | T2240-0614 | 1.38 | 35 | 2.36 | 60 | 1.61 | 41 | | | | | | | |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 7/8 | 22 | T2240-0812 | 1.61 | 41 | 2.60 | 66 | 1.50 | 38 | T2280-0812 | 2.01 | 51 | 2.99 | 76 | 2.36 | 60 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 1.1/16 | 27 | T2240-0814 | 1.61 | 41 | 2.60 | 66 | 1.61 | 41 | T2280-0814 | 2.17 | 55 | 3.15 | 80 | 2.76 | 70 |
| 12 | 1/2 | 1.1/16 | 3/4 | -0817 | 1.1/4 | 32 | T2240-0817 | 1.61 | 41 | 2.60 | 66 | 1.77 | 45 | | | | | | | |
| 16 | 5/8 | 3/4 | 1/2 | -1012 | 7/8 | 22 | T2240-1012 | 1.97 | 50 | 3.15 | 80 | 1.61 | 41 | | | | | | | |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 1.1/16 | 27 | T2240-1014 | 1.77 | 45 | 2.99 | 76 | 1.85 | 47 | T2280-1014 | 2.01 | 51 | 3.23 | 82 | 2.76 | 70 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1.1/4 | 32 | T2240-1017 | 1.77 | 45 | 2.99 | 76 | 1.89 | 48 | T2280-1017 | 2.01 | 51 | 3.23 | 82 | 3.78 | 96 |
| 19 | 3/4 | 7/8 | 5/8 | -1214 | 1.1/16 | 27 | T2240-1214 | 2.17 | 55 | 3.35 | 85 | 1.89 | 48 | | | | | | | |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/4 | 32 | T2240-1217 | 2.32 | 59 | 3.50 | 89 | 2.24 | 57 | T2280-1217 | 2.32 | 59 | 3.50 | 89 | 3.78 | 96 |
| 19 | 3/4 | 1.3/16 | 7/8 | -1219 | 1.3/8 | | T2240-1219 | 2.17 | 55 | 3.35 | 85 | 2.28 | 58 | | | | | | | |
| 19 | 3/4 | 1.5/16 | 1 | -1221 | 1.1/2 | 38 | T2240-1221 | 2.32 | 59 | 3.50 | 89 | 2.80 | 71 | | | | | | | |
| 25 | 1 | 1.1/16 | 3/4 | -1617 | 1.1/4 | 32 | T2240-1617 | 2.17 | 55 | 3.39 | 86 | 2.32 | 59 | | | | | | | |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.1/2 | 38 | T2240-1621 | 2.68 | 68 | 3.86 | 98 | 2.83 | 72 | T2280-1621 | 2.95 | 75 | 4.17 | 106 | 4.49 | 114 |
| 25 | 1 | 1.5/8 | 1.1/4 | -1626 | 2 | 50 | T2240-1626 | 2.68 | 68 | 3.90 | 99 | 3.07 | 78 | | | | | | | |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | 2 | 50 | T2240-2026 | 3.94 | 100 | 5.87 | 149 | 3.19 | 81 | T2280-2026 | 3.94 | 100 | 5.87 | 149 | 5.08 | 129 |
| 38 | 1.1/2 | 1.7/8 | 1.1/2 | -2430 | 2.1/4 | 57 | T2240-2430 | 4.17 | 106 | 6.22 | 158 | 4.17 | 106 | T2280-2430 | 4.17 | 106 | 6.22 | 158 | 5.55 | 141 |
| 51 | 2 | 2.1/2 | 2 | -3240 | 2.7/8 | 73 | T2240-3240 | 5.83 | 148 | 8.03 | 204 | 5.20 | 132 | T2280-3240 | 5.83 | 148 | 8.03 | 204 | 8.74 | 222 |

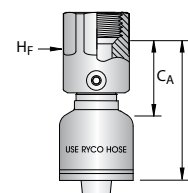
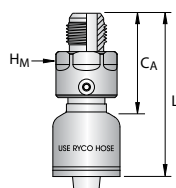
NOTE: Hose Compatibility for the T2000 series can be found on page 189.

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|------------|--------------|--------------|
| JIC | T2039 | T2044 |
|------------|--------------|--------------|

**ELIMINATE HOSE TWIST
ON JUMBO LOOM HOSES**

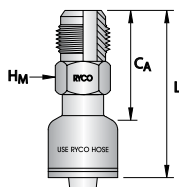
**37° FLARE
360° ROTATION
10 RPM MAX.**



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | MAX. WORKING PRESSURE | | MALE HEX | FEMALE HEX | JIC MALE SWIVEL JOINT | | | | JIC FEMALE SWIVEL JOINT | | | | | | | |
|-----------|------|-----------|-----------|-----------|-----------------------|------|----------|------------|-----------------------|------------|-------------------|------|-------------------------|------|-----|-------------------|------|----|------|----|
| DN | inch | inch | inch | | bar | psi | inch | mm | HM-SPANNER | HF-SPANNER | PART NO | CA | | L | | PART NO | CA | | L | |
| | | | | | | | | | inch | mm | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 350 | 5100 | | 25 | | 25 | T2039-0609 | 2.09 | 53 | 3.03 | 77 | T2044-0609 | 1.65 | 42 | 2.60 | 66 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 350 | 5100 | | 36 | | 36 | T2039-0812 | 2.32 | 59 | 3.27 | 83 | T2044-0812 | 1.77 | 45 | 2.72 | 69 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 310 | 4500 | 1.1/2 | 38 | 1.1/2 | 38 | T2039-1217 | 2.56 | 65 | 3.70 | 94 | T2044-1217 | 1.81 | 46 | 2.99 | 76 |
| 25 | 1 | 1.5/16 | 1 | -1621 | 280 | 4100 | | 46 | | 46 | T2039-1621 | 3.23 | 82 | 4.45 | 113 | T2044-1621 | 2.48 | 63 | 3.70 | 94 |

| | |
|-------------------|--------------|
| JIS - BSPP | T2220 |
|-------------------|--------------|

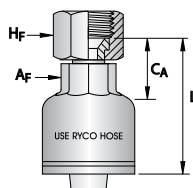
**JAPANESE INDUSTRIAL
STANDARD (JIS)
BSPP THREAD FORM
60° CONVEX SEAT**



| HOSE SIZE | THRD SIZE | DASH SIZE | MALE HEX | HM SPANNER | | PART NO | CA | | L | |
|-----------|-----------|-----------|----------|------------|----|-------------------|------|----|------|----|
| DN | inch | inch | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | | 17 | T2220-0404 | 1.30 | 33 | 2.28 | 58 |
| 10 | 3/8 | 3/8 | -0606 | 3/4 | 19 | T2220-0606 | 1.42 | 36 | 2.40 | 61 |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | T2220-0808 | 1.61 | 41 | 2.60 | 66 |

| | |
|-------------------|--------------|
| JIS - BSPP | T2122 |
|-------------------|--------------|

**JAPANESE INDUSTRIAL
STANDARD (JIS)
BSPP THREAD FORM
60° CONCAVE SEAT**



| HOSE SIZE | THRD SIZE | DASH SIZE | BACK UP AF | FEMALE HEX | AF-SPANNER | | HF-SPANNER | PART NO | CA | | L | |
|-----------|-----------|-----------|------------|------------|------------|--------|------------|-------------------|------|----|------|----|
| DN | inch | inch | | | inch | mm | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | | 12 | 3/4 | 19 | T2122-0404 | 0.79 | 20 | 1.77 | 45 |
| 10 | 3/8 | 3/8 | -0606 | 5/8 | 16 | 7/8 | 22 | T2122-0606 | 0.98 | 25 | 1.97 | 50 |
| 10 | 3/8 | 1/2 | -0608 | 5/8 | 16 | 1.1/16 | 27 | T2122-0608 | 1.06 | 27 | 2.05 | 52 |
| 12 | 1/2 | 1/2 | -0808 | 3/4 | 19 | 1.1/16 | 27 | T2122-0808 | 0.98 | 25 | 1.97 | 50 |
| 16 | 5/8 | 3/4 | -1012 | 7/8 | 22 | | 36 | T2122-1012 | 1.18 | 30 | 2.40 | 61 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | | 36 | T2122-1212 | 1.22 | 31 | 2.40 | 61 |
| 25 | 1 | 1 | -1616 | 1.1/4 | 32 | 1.5/8 | 41 | T2122-1616 | 1.38 | 35 | 2.60 | 66 |

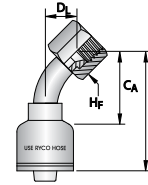
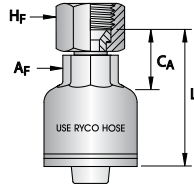
NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|--------------|-------|-------|
| JIS - METRIC | T2680 | T2682 |
|--------------|-------|-------|

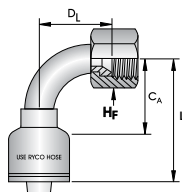
JAPANESE INDUSTRIAL
STANDARD (JIS)
METRIC THREAD FORM
60° CONCAVE SEAT



| HOSE SIZE | THRD SIZE | DASH SIZE | BACK UP Af | FEMALE HEX | METRIC FEMALE 60° CONCAVE SEAT (JIS) | | | | METRIC FEMALE 60° CONCAVE SEAT (JIS) 45° TUBE BEND | | | | | | | | | | | | |
|-----------|-----------|-----------|------------|------------|--------------------------------------|--------|------------|-------------------|--|------|------|------|-------------------|------|---------|------|-----|------|----|------|----|
| | | | | | Af-SPANNER | | Hf-SPANNER | | PART NO | | CA | | L | | PART NO | | CA | | L | | DL |
| DN | inch | mm | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 14x1,5 | -0414 | | 12 | 3/4 | 19 | T2680-0414 | 0.87 | 22 | 1.89 | 48 | T2682-0414 | 1.30 | 33 | 2.28 | 58 | 0.59 | 15 | | |
| 6 | 1/4 | 18x1,5 | -0418 | | 12 | 7/8 | 22 | T2680-0418 | 0.94 | 24 | 1.93 | 49 | | | | | | | | | |
| 8 | 5/16 | 16x1,5 | -0516 | | 14 | 7/8 | 22 | T2680-0516 | 0.91 | 23 | 1.89 | 48 | | | | | | | | | |
| 10 | 3/8 | 16x1,5 | -0616 | 5/8 | 16 | 7/8 | 22 | T2680-0616 | 0.98 | 25 | 1.97 | 50 | | | | | | | | | |
| 10 | 3/8 | 18x1,5 | -0618 | 5/8 | 16 | 7/8 | 22 | T2680-0618 | 1.02 | 26 | 2.01 | 51 | T2682-0618 | 1.54 | 39 | 2.52 | 64 | 0.75 | 19 | | |
| 10 | 3/8 | 20x1,5 | -0620 | 5/8 | 16 | 1.1/16 | 27 | T2680-0620 | 1.06 | 27 | 2.05 | 52 | | | | | | | | | |
| 10 | 3/8 | 22x1,5 | -0622 | 5/8 | 16 | 1.1/16 | 27 | T2680-0622 | 1.10 | 28 | 2.09 | 53 | | | | | | | | | |
| 12 | 1/2 | 22x1,5 | -0822 | 3/4 | 19 | 1.1/16 | 27 | T2680-0822 | 1.06 | 27 | 2.05 | 52 | T2682-0822 | 1.85 | 47 | 2.83 | 72 | 0.83 | 21 | | |
| 12 | 1/2 | 24x1,5 | -0824 | 3/4 | 19 | 1.3/16 | 30 | T2680-0824 | 1.14 | 29 | 2.13 | 54 | | | | | | | | | |
| 16 | 5/8 | 24x1,5 | -1024 | 7/8 | 22 | 1.3/16 | 30 | T2680-1024 | 1.18 | 30 | 2.40 | 61 | T2682-1024 | 2.13 | 54 | 3.35 | 85 | 0.94 | 24 | | |
| 16 | 5/8 | 30x1,5 | -1030 | 7/8 | 22 | | 36 | T2680-1030 | 1.38 | 35 | 2.60 | 66 | | | | | | | | | |
| 19 | 3/4 | 24x1,5 | -1224 | 1.1/16 | 27 | 1.3/16 | 30 | T2680-1224 | 1.22 | 31 | 2.40 | 61 | | | | | | | | | |
| 19 | 3/4 | 30x1,5 | -1230 | 1.1/16 | 27 | | 36 | T2680-1230 | 1.50 | 38 | 2.68 | 68 | T2682-1230 | 2.64 | 67 | 3.82 | 97 | 1.10 | 28 | | |
| 19 | 3/4 | 33x1,5 | -1233 | 1.1/16 | 27 | 1.1/2 | 38 | T2680-1233 | 1.50 | 38 | 2.68 | 68 | | | | | | | | | |
| 25 | 1 | 33x1,5 | -1633 | 1.1/4 | 32 | 1.1/2 | 38 | T2680-1633 | 1.38 | 35 | 2.60 | 66 | T2682-1633 | 3.31 | 84 | 4.53 | 115 | 1.26 | 32 | | |
| 31 | 1.1/4 | 36x1,5 | -2036 | 1.5/8 | 41 | | 46 | T2680-2036 | 1.50 | 38 | 3.43 | 87 | | | | | | | | | |
| 31 | 1.1/4 | 42x1,5 | -2042 | 1.5/8 | 41 | 2 | 50 | T2680-2042 | 1.69 | 43 | 3.62 | 92 | | | | | | | | | |

| | |
|--------------|-------|
| JIS - METRIC | T2683 |
|--------------|-------|

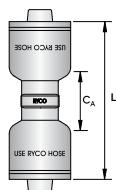
JAPANESE INDUSTRIAL
STANDARD (JIS)
METRIC THREAD FORM
60° CONCAVE SEAT



| HOSE SIZE | THRD SIZE | DASH SIZE | METRIC FEMALE 60° CONCAVE SEAT (JIS) 90° TUBE BEND | | | | | | | |
|-----------|-----------|-----------|--|-------------------|------|------|------|------|------|----|
| | | | PART NO | | CA | | L | | DL | |
| DN | inch | inch | inch | inch | mm | inch | mm | inch | mm | |
| 6 | 1/4 | 14 | -0414 | T2683-0414 | 1.06 | 27 | 2.05 | 52 | 1.18 | 30 |
| 10 | 3/8 | 18 | -0618 | T2683-0618 | 1.38 | 35 | 2.36 | 60 | 1.30 | 33 |
| 12 | 1/2 | 22 | -0822 | T2683-0822 | 1.50 | 38 | 2.48 | 63 | 1.65 | 42 |
| 16 | 5/8 | 24 | -1024 | T2683-1024 | 1.77 | 45 | 2.99 | 76 | 1.89 | 48 |
| 19 | 3/4 | 30 | -1230 | T2683-1230 | 2.32 | 59 | 3.50 | 89 | 2.20 | 56 |
| 25 | 1 | 33 | -1633 | T2683-1633 | 2.83 | 72 | 4.06 | 103 | 2.76 | 70 |

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|---------------|--------------|
| JOINER | T2900 |
|---------------|--------------|



| HOSE SIZE | | DASH SIZE | JOINER | | | | |
|-----------|-------|-----------|-------------------|------|----|------|-----|
| DN | inch | inch | PART NO | CA | | L | |
| | inch | inch | | inch | mm | inch | mm |
| 6 | 1/4 | -0404 | T2900-0404 | 0.98 | 25 | 1.97 | 50 |
| 8 | 5/16 | -0505 | T2900-0505 | 0.98 | 25 | 1.97 | 50 |
| 10 | 3/8 | -0606 | T2900-0606 | 1.10 | 28 | 2.09 | 53 |
| 12 | 1/2 | -0808 | T2900-0808 | 1.18 | 30 | 2.13 | 54 |
| 16 | 5/8 | -1010 | T2900-1010 | 0.94 | 24 | 2.17 | 55 |
| 19 | 3/4 | -1212 | T2900-1212 | 1.26 | 32 | 2.44 | 62 |
| 25 | 1 | -1616 | T2900-1616 | 1.26 | 32 | 2.44 | 62 |
| 31 | 1.1/4 | -2020 | T2900-2020 | 1.57 | 40 | 3.50 | 89 |
| 38 | 1.1/2 | -2424 | T2900-2424 | 0.98 | 25 | 3.03 | 77 |
| 51 | 2 | -3232 | T2900-3232 | 1.02 | 26 | 3.23 | 82 |
| 63 | 2.1/2 | -4040 | T2900-4040 | 0.98 | 25 | 4.02 | 102 |
| 76 | 3 | -4848 | T2900-4848 | 1.02 | 26 | 4.02 | 102 |

INTRODUCTION

HOSE

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NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

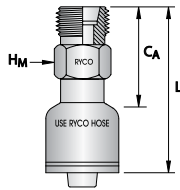
COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

METRIC - DKL

T2650

DKL
METRIC (LIGHT)
24° CONE



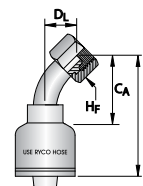
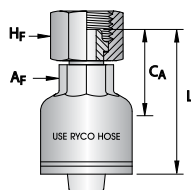
| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | DKL MALE 24° CONE | | | | | | |
|-----------|-----------|-----------|-----------|----------|-------------------|----|-------------------|------|----|------|-----|
| | | | | | HM-SPANNER | | PART NO | CA | | L | |
| DN | inch | mm | mm | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 12x1,5 | 6 | -0412 | | 14 | T2650-0412 | 1.06 | 27 | 2.09 | 53 |
| 6 | 1/4 | 14x1,5 | 8 | -0414 | | 17 | T2650-0414 | 1.06 | 27 | 2.09 | 53 |
| 6 | 1/4 | 16x1,5 | 10 | -0416 | | 17 | T2650-0416 | 1.14 | 29 | 2.13 | 54 |
| 6 | 1/4 | 18x1,5 | 12 | -0418 | 3/4 | 19 | T2650-0418 | 1.18 | 30 | 2.17 | 55 |
| 8 | 5/16 | 16x1,5 | 10 | -0516 | | 17 | T2650-0516 | 1.14 | 29 | 2.13 | 54 |
| 8 | 5/16 | 18x1,5 | 12 | -0518 | 3/4 | 19 | T2650-0518 | 1.18 | 30 | 2.17 | 55 |
| 10 | 3/8 | 16x1,5 | 10 | -0616 | | 17 | T2650-0616 | 1.22 | 31 | 2.20 | 56 |
| 10 | 3/8 | 18x1,5 | 12 | -0618 | 3/4 | 19 | T2650-0618 | 1.26 | 32 | 2.24 | 57 |
| 10 | 3/8 | 22x1,5 | 15 | -0622 | 15/16 | 24 | T2650-0622 | 1.38 | 35 | 2.36 | 60 |
| 12 | 1/2 | 18x1,5 | 12 | -0818 | 3/4 | 19 | T2650-0818 | 1.34 | 34 | 2.32 | 59 |
| 12 | 1/2 | 22x1,5 | 15 | -0822 | 7/8 | 22 | T2650-0822 | 1.38 | 35 | 2.36 | 60 |
| 12 | 1/2 | 26x1,5 | 18 | -0826 | 1.3/16 | 30 | T2650-0826 | 1.42 | 36 | 2.40 | 61 |
| 16 | 5/8 | 26x1,5 | 18 | -1026 | 1.3/16 | 30 | T2650-1026 | 1.34 | 34 | 2.52 | 64 |
| 16 | 5/8 | 30x2,0 | 22 | -1030 | 1.1/4 | 32 | T2650-1030 | 1.50 | 38 | 2.68 | 68 |
| 19 | 3/4 | 26x1,5 | 18 | -1226 | 1.3/16 | 30 | T2650-1226 | 1.50 | 38 | 2.64 | 67 |
| 19 | 3/4 | 30x2,0 | 22 | -1230 | 1.1/4 | 32 | T2650-1230 | 1.65 | 42 | 2.80 | 71 |
| 25 | 1 | 36x2,0 | 28 | -1636 | 1.5/8 | 41 | T2650-1636 | 1.73 | 44 | 2.95 | 75 |
| 31 | 1.1/4 | 45x2,0 | 35 | -2045 | | 46 | T2650-2045 | 2.01 | 51 | 3.94 | 100 |
| 38 | 1.1/2 | 52x2,0 | 42 | -2452 | 2.3/16 | 55 | T2650-2452 | 1.89 | 48 | 3.90 | 99 |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|---------------------|--------------|--------------|
| METRIC - DKL | T2600 | T2660 |
|---------------------|--------------|--------------|

DKL
METRIC (LIGHT)
RYCO DKL FEMALE SWIVELS
UP TO M26 SIZE HAVE MULTISEAL DKL 24° AND
DKM 60° CONE. M30 AND OVER HAVE DKL 24°
CONE ONLY.



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | DKL FEMALE 24°/60° CONE | | | | DKL FEMALE 24°/60° CONE 45° TUBE BEND | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|--------|------------|--------|-------------------------|-------------------|------|---------|---------------------------------------|----|-------------------|------|----|------|-----|------|----|
| | | | | inch | mm | inch | mm | PART NO | CA | L | PART NO | CA | L | DL | | | | | | |
| 6 | 1/4 | 12x1,5 | 6 | -0412 | | 12 | | 14 | T2600-0412 | 1.06 | 27 | 2.05 | 52 | T2660-0412 | 1.42 | 36 | 2.40 | 61 | 0.71 | 18 |
| 6 | 1/4 | 14x1,5 | 8 | -0414 | | 12 | | 17 | T2600-0414 | 1.06 | 27 | 2.05 | 52 | T2660-0414 | 1.42 | 36 | 2.40 | 61 | 0.67 | 17 |
| 8 | 5/16 | 16x1,5 | 10 | -0516 | | | 3/4 | 19 | | | | | | T2660-0516 | 1.77 | 45 | 2.76 | 70 | 0.79 | 20 |
| 6 | 1/4 | 16x1,5 | 10 | -0416 | | 12 | 3/4 | 19 | T2600-0416 | 1.10 | 28 | 2.09 | 53 | | | | | | | |
| 8 | 5/16 | 16x1,5 | 10 | -0516 | | 14 | 3/4 | 19 | T2600-0516 | 1.10 | 28 | 2.09 | 53 | | | | | | | |
| 8 | 5/16 | 18x1,5 | 12 | -0518 | | 14 | 7/8 | 22 | T2600-0518 | 1.18 | 30 | 2.17 | 55 | | | | | | | |
| 10 | 3/8 | 14x1,5 | 8 | -0614 | 5/8 | 16 | | 17 | T2600-0614 | 1.06 | 27 | 2.05 | 52 | | | | | | | |
| 10 | 3/8 | 16x1,5 | 10 | -0616 | 5/8 | 16 | 3/4 | 19 | T2600-0616 | 1.14 | 29 | 2.13 | 54 | T2660-0616 | 1.77 | 45 | 2.76 | 70 | 0.79 | 20 |
| 10 | 3/8 | 18x1,5 | 12 | -0618 | 5/8 | 16 | 7/8 | 22 | T2600-0618 | 1.18 | 30 | 2.17 | 55 | T2660-0618 | 1.77 | 45 | 2.76 | 70 | 0.79 | 20 |
| 10 | 3/8 | 22x1,5 | 15 | -0622 | 5/8 | 16 | 1.1/16 | 27 | T2600-0622 | 1.26 | 32 | 2.24 | 57 | | | | | | | |
| 12 | 1/2 | 18x1,5 | 12 | -0818 | 3/4 | 19 | 7/8 | 22 | T2600-0818 | 1.14 | 29 | 2.13 | 54 | | | | | | | |
| 12 | 1/2 | 22x1,5 | 15 | -0822 | 3/4 | 19 | 1.1/16 | 27 | T2600-0822 | 1.22 | 31 | 2.20 | 56 | T2660-0822 | 1.97 | 50 | 2.95 | 75 | 0.87 | 22 |
| 12 | 1/2 | 26x1,5 | 18 | -0826 | 3/4 | 19 | 1.1/4 | 32 | T2600-0826 | 1.26 | 32 | 2.24 | 57 | T2660-0826 | 1.97 | 50 | 2.95 | 75 | 0.87 | 22 |
| 16 | 5/8 | 26x1,5 | 18 | -1026 | 7/8 | 22 | 1.1/4 | 32 | T2600-1026 | 1.34 | 34 | 2.56 | 65 | T2660-1026 | 2.36 | 60 | 3.58 | 91 | 1.10 | 28 |
| 19 | 3/4 | 26x1,5 | 18 | -1226 | 1.1/16 | 27 | 1.1/4 | 32 | T2600-1226 | 1.54 | 39 | 2.68 | 68 | | | | | | | |
| 19 | 3/4 | 30x2,0 | 22 | -1230 | 1.1/16 | 27 | | 36 | T2600-1230 | 1.50 | 38 | 2.68 | 68 | T2660-1230 | 2.87 | 73 | 4.06 | 103 | 1.26 | 32 |
| 25 | 1 | 36x2,0 | 28 | -1636 | 1.1/4 | 32 | 1.5/8 | 41 | T2600-1636 | 1.69 | 43 | 2.91 | 74 | T2660-1636 | 3.23 | 82 | 4.45 | 113 | 1.65 | 42 |
| 31 | 1.1/4 | 45x2,0 | 35 | -2045 | 1.5/8 | 41 | 2 | 50 | T2600-2045 | 1.85 | 47 | 3.82 | 97 | | | | | | | |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

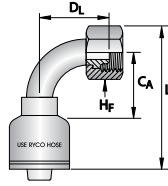
COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

METRIC - DKL

T2670

DKL
METRIC (LIGHT)
RYCO DKL FEMALE SWIVELS
UP TO M26 SIZE HAVE MULTISEAL DKL
24° AND DKM 60° CONE. M30 AND OVER
HAVE DKL 24° CONE ONLY.

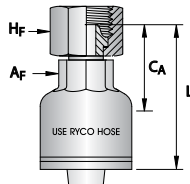


| HOSE SIZE | | | | | THRD SIZE | | TUBE SIZE | | DASH SIZE | | FEMALE HEX | | DKL FEMALE 24°/60° CONE 90° TUBE BEND | | | |
|-----------|------|--------|----|-------|------------|----|-------------------|------|-----------|------|------------|------|---|----|--|--|
| DN | inch | mm | mm | | HF-SPANNER | | PART NO | | C_A | | L | | D_L | | | |
| | | | | | inch | mm | | | inch | mm | inch | mm | inch | mm | | |
| 6 | 1/4 | 12x1,5 | 6 | -0412 | | 14 | T2670-0412 | 1.06 | 27 | 2.05 | 52 | 1.22 | 31 | | | |
| 6 | 1/4 | 14x1,5 | 8 | -0414 | | 17 | T2670-0414 | 1.06 | 27 | 2.05 | 52 | 1.22 | 31 | | | |
| 6 | 1/4 | 16x1,5 | 10 | -0416 | 3/4 | 19 | T2670-0416 | 1.06 | 27 | 2.05 | 52 | 1.26 | 32 | | | |
| 10 | 3/8 | 14x1,5 | 8 | -0614 | | 17 | T2670-0614 | 1.38 | 35 | 2.36 | 60 | 1.38 | 35 | | | |
| 10 | 3/8 | 16x1,5 | 10 | -0616 | 3/4 | 19 | T2670-0616 | 1.38 | 35 | 2.36 | 60 | 1.38 | 35 | | | |
| 10 | 3/8 | 18x1,5 | 12 | -0618 | 7/8 | 22 | T2670-0618 | 1.38 | 35 | 2.36 | 60 | 1.38 | 35 | | | |
| 10 | 3/8 | 22x1,5 | 15 | -0622 | 1.1/16 | 27 | T2670-0622 | 1.38 | 35 | 2.36 | 60 | 1.46 | 37 | | | |
| 12 | 1/2 | 22x1,5 | 15 | -0822 | 1.1/16 | 27 | T2670-0822 | 1.57 | 40 | 2.56 | 65 | 1.73 | 44 | | | |
| 12 | 1/2 | 26x1,5 | 18 | -0826 | 1.1/4 | 32 | T2670-0826 | 1.50 | 38 | 2.48 | 63 | 1.97 | 50 | | | |
| 16 | 5/8 | 26x1,5 | 18 | -1026 | 1.1/4 | 32 | T2670-1026 | 1.77 | 45 | 2.99 | 76 | 2.09 | 53 | | | |
| 19 | 3/4 | 30x2,0 | 22 | -1230 | | 36 | T2670-1230 | 2.32 | 59 | 3.50 | 89 | 2.52 | 64 | | | |
| 25 | 1 | 36x2,0 | 28 | -1636 | 1.5/8 | 41 | T2670-1636 | 2.83 | 72 | 4.06 | 103 | 2.87 | 73 | | | |

METRIC - DKM

T2610

DKM
60° BALL SEAT



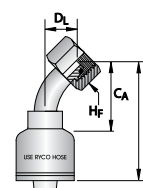
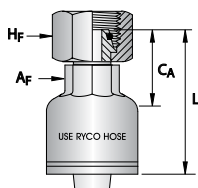
| HOSE SIZE | | | | | THRD SIZE | | TUBE SIZE | | DASH SIZE | | BACK UP A_F | | FEMALE HEX | | DKL FEMALE 60° BALL SEAT | | | |
|-----------|-------|--------|----|-------|-------------|----|------------|----|-------------------|------|-------------|------|------------|----|-----------------------------|--|--|--|
| DN | inch | mm | mm | | A_F-SPANNER | | HF-SPANNER | | PART NO | | C_A | | L | | | | | |
| | | | | | inch | mm | inch | mm | | | inch | mm | inch | mm | | | | |
| 10 | 3/8 | 16x1,5 | 10 | -0616 | 5/8 | 16 | 3/4 | 19 | T2610-0616 | 1.14 | 29 | 2.13 | 54 | | | | | |
| 19 | 3/4 | 30x1,5 | 22 | -1230 | 1.1/16 | 27 | | 36 | T2610-1230 | 1.22 | 31 | 2.40 | 61 | | | | | |
| 31 | 1.1/4 | 52x2,0 | 42 | -2052 | 1.5/8 | 41 | 2.3/8 | 60 | T2610-2052 | 1.77 | 45 | 3.70 | 94 | | | | | |
| 38 | 1.1/2 | 52x2,0 | 42 | -2452 | 2 | 50 | 2.3/8 | 60 | T2610-2452 | 1.85 | 47 | 3.90 | 99 | | | | | |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|----------------------|--------------|--------------|
| METRIC - DKOL | T2501 | T2510 |
|----------------------|--------------|--------------|

DKOL
METRIC O RING (LIGHT)
24° CONE



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | DKOL FEMALE 24° CONE | | | | DKOL FEMALE 24° CONE 45° TUBE BEND | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|--------|------------|--------|----------------------|-------------------|------|------|------------------------------------|-------------------|-------------------|------|------|------|------|------|----|
| | | | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | | | | | |
| 5 | 3/16 | 12x1,5 | 6 | -0312 | | | | T2501-0312 | 0.83 | 21 | 1.61 | 41 | | | | | | | | |
| 6 | 1/4 | 12x1,5 | 6 | -0412 | | | | T2501-0412 | 1.02 | 26 | 2.05 | 52 | T2510-0412 | 1.57 | 40 | 2.56 | 65 | 0.71 | 18 | |
| 6 | 1/4 | 14x1,5 | 8 | -0414 | | | | T2501-0414 | 1.02 | 26 | 2.05 | 52 | T2510-0414 | 1.42 | 36 | 2.40 | 61 | 0.67 | 17 | |
| 6 | 1/4 | 16x1,5 | 10 | -0416 | | | | T2501-0416 | 1.10 | 28 | 2.13 | 54 | T2510-0416 | 1.42 | 36 | 2.40 | 61 | 0.67 | 17 | |
| 6 | 1/4 | 18x1,5 | 10 | -0418 | | | | T2501-0418 | | | | | T2510-0418 | 1.46 | 37 | 2.44 | 62 | 0.79 | 20 | |
| 8 | 5/16 | 14x1,5 | 8 | -0514 | | | | T2501-0514 | 1.06 | 27 | 2.05 | 52 | | | | | | | | |
| 8 | 5/16 | 16x1,5 | 10 | -0516 | | | | T2501-0516 | 1.14 | 29 | 2.13 | 54 | T2510-0516 | 1.77 | 45 | 2.76 | 70 | 0.79 | 20 | |
| 8 | 5/16 | 18x1,5 | 12 | -0518 | | | | T2501-0518 | 1.14 | 29 | 2.17 | 55 | T2510-0518 | 1.77 | 45 | 2.76 | 70 | 0.79 | 20 | |
| 10 | 3/8 | 12x1,5 | 6 | -0612 | 5/8 | 16 | | T2501-0612 | 1.06 | 27 | 2.05 | 52 | T2510-0612 | 1.77 | 45 | 2.76 | 70 | 0.71 | 18 | |
| 10 | 3/8 | 14x1,5 | 8 | -0614 | 5/8 | 16 | | T2501-0614 | 1.06 | 27 | 2.05 | 52 | | | | | | | | |
| 10 | 3/8 | 16x1,5 | 10 | -0616 | 5/8 | 16 | 3/4 | 19 | T2501-0616 | 1.14 | 29 | 2.13 | 54 | T2510-0616 | 1.77 | 45 | 2.76 | 70 | 0.75 | 19 |
| 10 | 3/8 | 18x1,5 | 12 | -0618 | 5/8 | 16 | 7/8 | 22 | T2501-0618 | 1.18 | 30 | 2.17 | 55 | T2510-0618 | 1.77 | 45 | 2.76 | 70 | 0.79 | 20 |
| 10 | 3/8 | 22x1,5 | 15 | -0622 | 5/8 | 16 | 1.1/16 | 27 | T2501-0622 | 1.26 | 32 | 2.24 | 57 | T2510-0622 | | | | | | |
| 12 | 1/2 | 18x1,5 | 12 | -0818 | 3/4 | 19 | 7/8 | 22 | T2501-0818 | 1.14 | 29 | 2.13 | 54 | | | | | | | |
| 12 | 1/2 | 22x1,5 | 15 | -0822 | 3/4 | 19 | 1.1/16 | 27 | T2501-0822 | 1.26 | 32 | 2.24 | 57 | T2510-0822 | 2.05 | 52 | 3.03 | 77 | 0.87 | 22 |
| 12 | 1/2 | 26x1,5 | 18 | -0826 | 3/4 | 19 | 1.1/4 | 32 | T2501-0826 | 1.30 | 33 | 2.28 | 58 | T2510-0826 | 2.09 | 53 | 3.07 | 78 | 0.94 | 24 |
| 16 | 5/8 | 26x1,5 | 18 | -1026 | 7/8 | 22 | 1.1/4 | 32 | T2501-1026 | 1.34 | 34 | 2.56 | 65 | T2510-1026 | 2.28 | 58 | 3.50 | 89 | 1.10 | 28 |
| 16 | 5/8 | 30x2,0 | 22 | -1030 | 7/8 | 22 | | 36 | T2501-1030 | 1.42 | 36 | 2.60 | 66 | T2510-1030 | 2.36 | 60 | 3.54 | 90 | 1.14 | 29 |
| 19 | 3/4 | 26x1,5 | 18 | -1226 | 1.1/16 | 27 | 1.1/4 | 32 | T2501-1226 | 1.54 | 39 | 2.68 | 68 | | | | | | | |
| 19 | 3/4 | 30x2,0 | 22 | -1230 | 1.1/16 | 27 | | 36 | T2501-1230 | 1.50 | 38 | 2.68 | 68 | T2510-1230 | 2.91 | 74 | 4.09 | 104 | 1.22 | 31 |
| 25 | 1 | 36x2,0 | 28 | -1636 | 1.1/4 | 32 | 1.5/8 | 41 | T2501-1636 | 1.69 | 43 | 2.91 | 74 | T2510-1636 | 3.62 | 92 | 4.84 | 123 | 1.81 | 46 |
| 31 | 1.1/4 | 45x2,0 | 35 | -2045 | 1.5/8 | 41 | 2 | 50 | T2501-2045 | 1.85 | 47 | 3.82 | 97 | T2510-2045 | 3.98 | 101 | 5.91 | 150 | 1.57 | 40 |
| 38 | 1.1/2 | 52x2,0 | 42 | -2452 | 2 | 50 | 2.3/8 | 60 | T2501-2452 | 1.97 | 50 | 4.02 | 102 | T2510-2452 | 4.65 | 118 | 6.65 | 169 | 1.93 | 49 |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

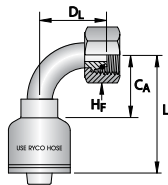
COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

METRIC - DKOL

T2520

DKOL
METRIC O RING (LIGHT)
24° CONE



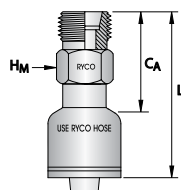
| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | | DKOL FEMALE 24° CONE 90° TUBE BEND | | | | | | |
|-----------|-------|-----------|-----------|-----------|------------|----|------------------------------------|------|-----|------|-----|------|-----|
| DN | inch | mm | mm | | HF-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 12x1,5 | 6 | -0412 | | 14 | T2520-0412 | 1.54 | 39 | 2.52 | 64 | 1.34 | 34 |
| 6 | 1/4 | 14x1,5 | 8 | -0414 | | 17 | T2520-0414 | 1.30 | 33 | 2.28 | 58 | 1.22 | 31 |
| 6 | 1/4 | 16x1,5 | 10 | -0416 | 3/4 | 19 | T2520-0416 | 1.06 | 27 | 2.05 | 52 | 1.22 | 31 |
| 6 | 1/4 | 18x1,5 | 12 | -0418 | 7/8 | 22 | T2520-0418 | 1.30 | 33 | 2.28 | 58 | 1.34 | 34 |
| 8 | 5/16 | 16x1,5 | 10 | -0516 | 3/4 | 19 | T2520-0516 | 1.38 | 35 | 2.36 | 60 | 1.38 | 35 |
| 8 | 5/16 | 18x1,5 | 12 | -0518 | 7/8 | 22 | T2520-0518 | 1.38 | 35 | 2.36 | 60 | 1.38 | 35 |
| 10 | 3/8 | 16x1,5 | 10 | -0616 | 3/4 | 19 | T2520-0616 | 1.38 | 35 | 2.36 | 60 | 1.42 | 36 |
| 10 | 3/8 | 18x1,5 | 12 | -0618 | 7/8 | 22 | T2520-0618 | 1.38 | 35 | 2.36 | 60 | 1.38 | 35 |
| 10 | 3/8 | 22x1,5 | 15 | -0622 | 1.1/16 | 27 | T2520-0622 | 1.57 | 40 | 2.56 | 65 | 1.73 | 44 |
| 12 | 1/2 | 22x1,5 | 15 | -0822 | 1.1/16 | 27 | T2520-0822 | 1.61 | 41 | 2.60 | 66 | 1.73 | 44 |
| 12 | 1/2 | 26x1,5 | 18 | -0826 | 1.1/4 | 32 | T2520-0826 | 1.61 | 41 | 2.60 | 66 | 1.89 | 48 |
| 16 | 5/8 | 26x1,5 | 18 | -1026 | 1.1/4 | 32 | T2520-1026 | 1.77 | 45 | 2.99 | 76 | 2.13 | 54 |
| 19 | 3/4 | 30x2,0 | 22 | -1230 | | 36 | T2520-1230 | 2.32 | 59 | 3.50 | 89 | 2.56 | 65 |
| 25 | 1 | 36x2,0 | 28 | -1636 | 1.5/8 | 41 | T2520-1636 | 2.72 | 69 | 3.94 | 100 | 3.11 | 79 |
| 31 | 1.1/4 | 45x2,0 | 35 | -2045 | 2 | 50 | T2520-2045 | 3.94 | 100 | 5.87 | 149 | 2.99 | 76 |
| 38 | 1.1/2 | 52x2,0 | 42 | -2452 | 2.3/8 | 60 | T2520-2452 | 4.17 | 106 | 6.22 | 158 | 4.02 | 102 |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|---------------------|--------------|
| METRIC - DKS | T2630 |
|---------------------|--------------|

**DKS
METRIC (HEAVY)
24° CONE**



| DN | HOSE SIZE | | TUBE SIZE | DASH SIZE | MALE HEX | | DKS MALE 24° CONE | CA | | L | |
|----|-----------|--------|-----------|-----------|----------|----|-------------------|------|----|------|-----|
| | inch | mm | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 14x1,5 | 6 | -0414 | | 17 | T2630-0414 | 1.18 | 30 | 2.17 | 55 |
| 6 | 1/4 | 16x1,5 | 8 | -0416 | | 17 | T2630-0416 | 1.18 | 30 | 2.17 | 55 |
| 6 | 1/4 | 18x1,5 | 10 | -0418 | 3/4 | 19 | T2630-0418 | 1.22 | 31 | 2.20 | 56 |
| 6 | 1/4 | 20x1,5 | 12 | -0420 | 7/8 | 22 | T2630-0420 | 1.26 | 32 | 2.24 | 57 |
| 10 | 3/8 | 22x1,5 | 14 | -0422 | 15/16 | 24 | T2630-0422 | 1.38 | 35 | 2.36 | 60 |
| 6 | 1/4 | 22x1,5 | 14 | -0520 | 15/16 | 24 | T2630-0520 | 1.26 | 32 | 2.24 | 57 |
| 8 | 5/16 | 20x1,5 | 12 | -0618 | 7/8 | 22 | T2630-0618 | 1.30 | 33 | 2.28 | 58 |
| 10 | 3/8 | 18x1,5 | 10 | -0620 | 3/4 | 19 | T2630-0620 | 1.34 | 34 | 2.32 | 59 |
| 10 | 3/8 | 20x1,5 | 12 | -0622 | 7/8 | 22 | T2630-0622 | 1.46 | 37 | 2.44 | 62 |
| 12 | 1/2 | 24x1,5 | 16 | -0824 | 1.1/16 | 27 | T2630-0824 | 1.50 | 38 | 2.48 | 63 |
| 12 | 1/2 | 30x2,0 | 20 | -0830 | 1.1/4 | 32 | T2630-0830 | 1.65 | 42 | 2.64 | 67 |
| 16 | 5/8 | 30x2,0 | 20 | -1030 | 1.1/4 | 32 | T2630-1030 | 1.57 | 40 | 2.76 | 70 |
| 19 | 3/4 | 30x2,0 | 20 | -1230 | 1.1/4 | 32 | T2630-1230 | 1.73 | 44 | 2.87 | 73 |
| 19 | 3/4 | 36x2,0 | 25 | -1236 | 1.5/8 | 41 | T2630-1236 | 1.89 | 48 | 3.07 | 78 |
| 25 | 1 | 36x2,0 | 25 | -1636 | 1.5/8 | 41 | T2630-1636 | 1.89 | 48 | 3.11 | 79 |
| 25 | 1 | 42x2,0 | 30 | -1642 | | 46 | T2630-1642 | 2.01 | 51 | 3.23 | 82 |
| 31 | 1.1/4 | 42x2,0 | 30 | -2042 | | 46 | T2630-2042 | 2.17 | 55 | 4.09 | 104 |
| 31 | 1.1/4 | 52x2,0 | 38 | -2052 | 2.3/16 | 55 | T2630-2052 | 2.32 | 59 | 4.25 | 108 |
| 38 | 1.1/2 | 52x2,0 | 38 | -2452 | 2.3/16 | 55 | T2630-2452 | 2.13 | 54 | 4.13 | 105 |

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

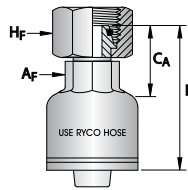
COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

METRIC - DKOS

T2711

DKOS
METRIC O RING (HEAVY)
24° CONE



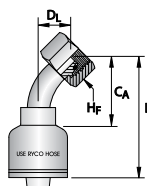
| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | PART NO | DKOS FEMALE 24° CONE CA | | L | | |
|-----------|-----------|-----------|-----------|------------|--------|------------|--------|---------|-------------------------|------|------|------|-----|
| | | | | inch | mm | inch | mm | | inch | mm | inch | mm | |
| 6 | 1/4 | 14x1,5 | 6 | -0414 | | 12 | | 17 | T2711-0414 | 0.98 | 25 | 1.97 | 50 |
| 6 | 1/4 | 16x1,5 | 8 | -0416 | | 12 | 3/4 | 19 | T2711-0416 | 1.06 | 27 | 2.09 | 53 |
| 6 | 1/4 | 18x1,5 | 10 | -0418 | | 12 | 7/8 | 22 | T2711-0418 | 1.18 | 30 | 2.17 | 55 |
| 8 | 5/16 | 18x1,5 | 10 | -0518 | | 14 | | | T2711-0518 | 1.22 | 31 | 2.20 | 56 |
| 8 | 5/16 | 20x1,5 | 12 | -0520 | | 14 | 15/16 | 24 | T2711-0520 | 1.22 | 31 | 2.20 | 56 |
| 10 | 3/8 | 16x1,5 | 8 | -0616 | 5/8 | 16 | | | T2711-0616 | 1.10 | 28 | 2.09 | 53 |
| 10 | 3/8 | 18x1,5 | 10 | -0618 | 5/8 | 16 | 7/8 | 22 | T2711-0618 | 1.22 | 31 | 2.20 | 56 |
| 10 | 3/8 | 20x1,5 | 12 | -0620 | 5/8 | 16 | 15/16 | 24 | T2711-0620 | 1.22 | 31 | 2.20 | 56 |
| 10 | 3/8 | 22x1,5 | 14 | -0622 | 5/8 | 16 | 1.1/16 | 27 | T2711-0622 | 1.30 | 33 | 2.28 | 58 |
| 10 | 3/8 | 24x1,5 | 16 | -0624 | 5/8 | 16 | 1.3/16 | 30 | T2711-0624 | 1.30 | 33 | 2.28 | 58 |
| 12 | 1/2 | 20x1,5 | 12 | -0820 | 3/4 | 19 | 15/16 | 24 | T2711-0820 | 1.22 | 31 | 2.20 | 56 |
| 12 | 1/2 | 22x1,5 | 14 | -0822 | 3/4 | 19 | 1.1/16 | 27 | T2711-0822 | 1.30 | 33 | 2.28 | 58 |
| 12 | 1/2 | 24x1,5 | 16 | -0824 | 3/4 | 19 | 1.3/16 | 30 | T2711-0824 | 1.30 | 33 | 2.28 | 58 |
| 16 | 5/8 | 30x2,0 | 20 | -1030 | 7/8 | 22 | | 36 | T2711-1030 | 1.57 | 40 | 2.80 | 71 |
| 19 | 3/4 | 30x2,0 | 20 | -1230 | 1.1/16 | 27 | | 36 | T2711-1230 | 1.65 | 42 | 2.80 | 71 |
| 19 | 3/4 | 36x2,0 | 25 | -1236 | 1.1/16 | 27 | | 46 | T2711-1236 | 1.81 | 46 | 2.99 | 76 |
| 25 | 1 | 36x2,0 | 25 | -1636 | 1.1/4 | 32 | | 46 | T2711-1636 | 1.81 | 46 | 2.99 | 76 |
| 25 | 1 | 42x2,0 | 30 | -1642 | 1.1/4 | 32 | 2 | 50 | T2711-1642 | 1.81 | 46 | 3.03 | 77 |
| 31 | 1.1/4 | 42x2,0 | 30 | -2042 | 1.5/8 | 41 | 2 | 50 | T2711-2042 | 2.01 | 51 | 3.94 | 100 |
| 31 | 1.1/4 | 52x2,0 | 38 | -2452 | 1.5/8 | 41 | 2.3/8 | 60 | T2711-2052 | 2.24 | 57 | 4.21 | 107 |
| 38 | 1.1/2 | 52x2,0 | 38 | -2052 | 2 | 50 | 2.3/8 | 60 | T2711-2452 | 2.28 | 58 | 4.33 | 110 |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|----------------------|--------------|
| METRIC - DKOS | T2720 |
|----------------------|--------------|

**DKOS
METRIC O RING (HEAVY)
24° CONE**



| DN | HOSE SIZE | | THRDS | TUBE SIZE | DASH SIZE | FEMALE HEX | HF-SPANNER | PART NO | CA | | L | | DL | |
|----|-----------|--------|-------|-----------|-----------|------------|-------------------|---------|------|------|------|------|------|----|
| | inch | mm | mm | mm | inch | mm | | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 14x1,5 | 6 | -0414 | | 17 | T2720-0414 | 1.46 | 37 | 2.44 | 62 | 0.63 | 16 | |
| 6 | 1/4 | 16x1,5 | 8 | -0416 | 3/4 | 19 | T2720-0416 | 1.42 | 36 | 2.40 | 61 | 0.67 | 17 | |
| 6 | 1/4 | 18x1,5 | 10 | -0418 | 7/8 | 22 | T2720-0418 | 1.42 | 36 | 2.40 | 61 | 0.67 | 17 | |
| 8 | 5/16 | 18x1,5 | 10 | -0518 | 7/8 | 22 | T2720-0518 | 1.81 | 46 | 2.80 | 71 | 0.67 | 17 | |
| 8 | 5/16 | 20x1,5 | 12 | -0520 | 15/16 | 24 | T2720-0520 | 1.81 | 46 | 2.80 | 71 | 0.67 | 17 | |
| 10 | 3/8 | 16x1,5 | 8 | -0616 | | | T2720-0616 | 1.77 | 45 | 2.76 | 70 | 0.67 | 17 | |
| 10 | 3/8 | 18x1,5 | 10 | -0618 | 7/8 | 22 | T2720-0618 | 1.77 | 45 | 2.76 | 70 | 0.67 | 17 | |
| 10 | 3/8 | 20x1,5 | 12 | -0620 | 15/16 | 24 | T2720-0620 | 1.81 | 46 | 2.80 | 71 | 0.79 | 20 | |
| 10 | 3/8 | 22x1,5 | 14 | -0622 | 1.1/16 | 27 | T2720-0622 | 1.81 | 46 | 2.80 | 71 | 0.79 | 20 | |
| 10 | 3/8 | 36x1,5 | 25 | -0636 | | | T2720-0636 | 2.36 | 60 | 3.35 | 85 | 1.38 | 35 | |
| 12 | 1/2 | 22x1,5 | 14 | -0822 | 1.1/16 | 27 | T2720-0822 | 2.09 | 53 | 3.07 | 78 | 0.94 | 24 | |
| 12 | 1/2 | 24x1,5 | 16 | -0824 | 1.3/16 | 30 | T2720-0824 | 2.09 | 53 | 3.07 | 78 | 0.94 | 24 | |
| 16 | 5/8 | 30x2,0 | 20 | -1030 | | 36 | T2720-1030 | 2.40 | 61 | 3.62 | 92 | 1.22 | 31 | |
| 19 | 3/4 | 30x2,0 | 20 | -1230 | | 36 | T2720-1230 | 2.91 | 74 | 4.09 | 104 | 1.38 | 35 | |
| 19 | 3/4 | 36x2,0 | 25 | -1236 | | 46 | T2720-1236 | 2.99 | 76 | 4.17 | 106 | 1.38 | 35 | |
| 25 | 1 | 36x2,0 | 25 | -1636 | | 46 | T2720-1636 | 3.54 | 90 | 4.76 | 121 | 1.38 | 35 | |
| 25 | 1 | 42x2,0 | 30 | -1642 | 2 | 50 | T2720-1642 | 3.43 | 87 | 4.65 | 118 | 1.46 | 37 | |
| 31 | 1.1/4 | 52x2,0 | 38 | -2052 | 2.3/8 | 60 | T2720-2052 | 4.17 | 106 | 6.10 | 155 | 1.89 | 48 | |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

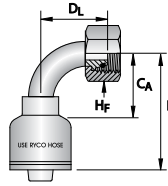
COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

METRIC - DKOS

T2730

DKOS
METRIC O RING (HEAVY)
24° CONE



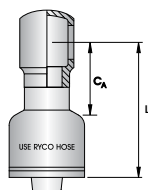
| HOSE SIZE | | | | | THR D SIZE | | TUBE SIZE | | DASH SIZE | | FEMALE HEX | | DKOS FEMALE 24° CONE 90° TUBE BEND | | | |
|-----------|-------|--------|----|-------|-------------------------|----|-------------------|------|----------------|------|------------|------|--|----|--|--|
| DN | inch | mm | mm | | H _F -SPANNER | | PART NO | | C _A | | L | | D _L | | | |
| | | | | | inch | mm | | | inch | mm | inch | mm | inch | mm | | |
| 6 | 1/4 | 14x1,5 | 6 | -0414 | | 17 | T2730-0414 | 1.30 | 33 | 2.28 | 58 | 1.10 | 28 | | | |
| 6 | 1/4 | 16x1,5 | 8 | -0416 | 3/4 | 19 | T2730-0416 | 1.06 | 27 | 2.05 | 52 | 1.22 | 31 | | | |
| 6 | 1/4 | 18x1,5 | 10 | -0418 | 7/8 | 22 | T2730-0418 | 1.30 | 33 | 2.28 | 58 | 1.26 | 32 | | | |
| 8 | 5/16 | 20x1,5 | 12 | -0520 | 15/16 | 24 | T2730-0520 | 1.38 | 35 | 2.36 | 60 | 1.46 | 37 | | | |
| 10 | 3/8 | 16x1,5 | 8 | -0616 | 3/4 | 19 | T2730-0616 | 1.38 | 35 | 2.36 | 60 | 1.26 | 32 | | | |
| 10 | 3/8 | 18x1,5 | 10 | -0618 | 7/8 | 22 | T2730-0618 | 1.06 | 27 | 2.05 | 52 | 1.18 | 30 | | | |
| 10 | 3/8 | 20x1,5 | 12 | -0620 | 15/16 | 24 | T2730-0620 | 1.42 | 36 | 2.40 | 61 | 1.42 | 36 | | | |
| 10 | 3/8 | 22x1,5 | 14 | -0622 | 1.1/16 | 27 | T2730-0622 | 1.42 | 36 | 2.40 | 61 | 1.42 | 36 | | | |
| 12 | 1/2 | 22x1,5 | 14 | -0822 | 1.1/16 | 27 | T2730-0822 | 1.61 | 41 | 2.60 | 66 | 1.89 | 48 | | | |
| 12 | 1/2 | 24x1,5 | 16 | -0824 | 1.3/16 | 30 | T2730-0824 | 1.61 | 41 | 2.60 | 66 | 1.89 | 48 | | | |
| 16 | 5/8 | 30x2,0 | 20 | -1030 | | 36 | T2730-1030 | 1.77 | 45 | 2.99 | 76 | 2.28 | 58 | | | |
| 19 | 3/4 | 30x2,0 | 20 | -1230 | | 36 | T2730-1230 | 2.32 | 59 | 3.50 | 89 | 2.68 | 68 | | | |
| 19 | 3/4 | 36x2,0 | 25 | -1236 | | 46 | T2730-1236 | 2.32 | 59 | 3.50 | 89 | 2.68 | 68 | | | |
| 25 | 1 | 36x2,0 | 25 | -1636 | | 46 | T2730-1636 | 2.72 | 69 | 3.94 | 100 | 3.03 | 77 | | | |
| 25 | 1 | 42x2,0 | 30 | -1642 | 2 | 50 | T2730-1642 | 2.72 | 69 | 3.94 | 100 | 3.03 | 77 | | | |
| 31 | 1.1/4 | 52x2,0 | 38 | -2052 | 2.3/8 | 60 | T2730-2052 | 3.94 | 100 | 5.87 | 149 | 3.50 | 89 | | | |
| 38 | 1.1/2 | 52x2,0 | 38 | -2452 | 2.3/8 | 60 | T2730-2452 | 3.58 | 91 | 5.63 | 143 | 3.50 | 89 | | | |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

METRIC - BANJO T2470

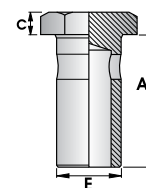
STRAIGHT



| HOSE SIZE | | THRD SIZE | DASH SIZE | METRIC BANJO | | | | |
|-----------|------|-----------|-----------|-------------------|------|----|------|----|
| DN | inch | mm | | PART NO | CA | | L | |
| | | | | | inch | mm | inch | mm |
| 6 | 1/4 | 12 | -0412 | T2470-0412 | 1.14 | 29 | 2.17 | 55 |
| 6 | 1/4 | 14 | -0414 | T2470-0414 | 1.22 | 31 | 2.24 | 57 |
| 6 | 1/4 | 16 | -0416 | T2470-0416 | 1.30 | 33 | 2.32 | 59 |
| 8 | 5/16 | 12 | -0512 | T2470-0512 | 1.14 | 29 | 2.17 | 55 |
| 8 | 5/16 | 14 | -0514 | T2470-0514 | 1.22 | 31 | 2.24 | 57 |
| 8 | 5/16 | 16 | -0516 | T2470-0516 | 1.22 | 31 | 2.24 | 57 |
| 10 | 3/8 | 12 | -0612 | T2470-0612 | 1.30 | 33 | 2.28 | 58 |
| 10 | 3/8 | 14 | -0614 | T2470-0614 | 1.38 | 35 | 2.36 | 60 |
| 10 | 3/8 | 16 | -0616 | T2470-0616 | 1.38 | 35 | 2.36 | 60 |
| 10 | 3/8 | 18 | -0618 | T2470-0618 | 1.46 | 37 | 2.44 | 62 |
| 10 | 3/8 | 20 | -0620 | T2470-0620 | 1.57 | 40 | 2.56 | 65 |
| 10 | 3/8 | 22 | -0622 | T2470-0622 | 1.65 | 42 | 2.64 | 67 |
| 12 | 1/2 | 18 | -0818 | T2470-0818 | 1.50 | 38 | 2.48 | 63 |
| 12 | 1/2 | 22 | -0822 | T2470-0822 | 1.61 | 41 | 2.60 | 66 |
| 16 | 5/8 | 22 | -1022 | T2470-1022 | 2.48 | 63 | 3.70 | 94 |
| 16 | 5/8 | 26 | -1026 | T2470-1026 | 1.69 | 43 | 2.91 | 74 |
| 19 | 3/4 | 26 | -1226 | T2470-1226 | 1.85 | 47 | 3.03 | 77 |
| 19 | 3/4 | 30 | -1230 | T2470-1230 | 2.09 | 53 | 3.27 | 83 |
| 19 | 3/4 | 36 | -1236 | T2470-1236 | 2.28 | 58 | 3.46 | 88 |
| 25 | 1 | 30 | -1630 | T2470-1630 | 2.09 | 53 | 3.31 | 84 |
| 25 | 1 | 36 | -1636 | T2470-1636 | 2.28 | 58 | 3.50 | 89 |

NOTE: Other configurations available on request. For BBM Banjo Bolt and MBD Seal see RYCO Adaptor Catalogue

METRIC BANJO BOLT BBM



| THREAD SIZE E | DIMENSIONS (MM) | | | METRIC BANJO BOLT |
|---------------|-----------------|----|-----|-------------------|
| | A | C | A/F | |
| mm | | | | PART NO |
| M10x1,0 | 19 | 6 | 14 | BBM-10 |
| M12x1,5 | 24 | 6 | 17 | BBM-12 |
| M14x1,5 | 26 | 6 | 19 | BBM-14 |
| M16x1,5 | 28 | 6 | 22 | BBM-16 |
| M18x1,5 | 32 | 6 | 24 | BBM-18 |
| M20x1,5 | 37 | 7 | 27 | BBM-20 |
| M22x1,5 | 39 | 7 | 27 | BBM-22 |
| M26x1,5 | 45 | 7 | 32 | BBM-26 |
| M30x1,5 | 51 | 7 | 36 | BBM-30 |
| M36x2,0 | 71 | 12 | 46 | BBM-36 |

NOTE: MBD Seals for BBM Banjo Bolts can be found on page 434.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

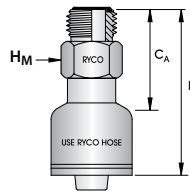
NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|------|-------|
| ORFS | T2840 |
|------|-------|

O RING
FACE SEAL



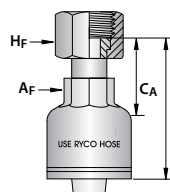
| DN | HOSE SIZE | THRDSIZE | TUBESIZE | DASH SIZE | MALE HEX | | PART NO | ORFS MALE C _A | | L | |
|----|-----------|----------|----------|-----------|----------|----|------------|--------------------------|----|------|-----|
| | | | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 9/16 | 1/4 | -0409 | 5/8 | 16 | T2840-0409 | 1.22 | 31 | 2.24 | 57 |
| 6 | 1/4 | 11/16 | 3/8 | -0411 | 3/4 | 19 | T2840-0411 | 1.30 | 33 | 2.28 | 58 |
| 10 | 3/8 | 11/16 | 3/8 | -0611 | 3/4 | 19 | T2840-0611 | 1.34 | 34 | 2.32 | 59 |
| 10 | 3/8 | 13/16 | 1/2 | -0613 | 7/8 | 22 | T2840-0613 | 1.46 | 37 | 2.44 | 62 |
| 10 | 3/8 | 1 | 5/8 | -0616 | 1.1/16 | 27 | T2840-0616 | 1.54 | 39 | 2.52 | 64 |
| 12 | 1/2 | 13/16 | 1/2 | -0813 | 7/8 | 22 | T2840-0813 | 1.50 | 38 | 2.48 | 63 |
| 12 | 1/2 | 1 | 5/8 | -0816 | 1.1/16 | 27 | T2840-0816 | 1.65 | 42 | 2.64 | 67 |
| 16 | 5/8 | 1 | 5/8 | -1016 | 1.1/16 | 27 | T2840-1016 | 1.57 | 40 | 2.76 | 70 |
| 16 | 5/8 | 1.3/16 | 3/4 | -1019 | 1.1/4 | 32 | T2840-1019 | 1.69 | 43 | 2.91 | 74 |
| 19 | 3/4 | 1.3/16 | 3/4 | -1219 | 1.1/4 | 32 | T2840-1219 | 1.85 | 47 | 3.03 | 77 |
| 19 | 3/4 | 1.7/16 | 1 | -1223 | 1.1/2 | 38 | T2840-1223 | 2.05 | 52 | 3.19 | 81 |
| 25 | 1 | 1.7/16 | 1 | -1623 | 1.1/2 | 38 | T2840-1623 | 2.01 | 51 | 3.23 | 82 |
| 31 | 1.1/4 | 1.11/16 | 1.1/4 | -2027 | 2 | 50 | T2840-2027 | 2.28 | 58 | 4.21 | 107 |

NOTE: Hose Compatibility for the T2000 series can be found on page 189.

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|-------------|----------------------|
| ORFS | T2800 - T2801 |
|-------------|----------------------|

**O RING
FACE SEAL**



| DN | HOSE SIZE | | TUBE SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | PART NO | ORFS FEMALE CA | | L | |
|----|-----------|---------|-----------|-----------|------------|------|------------|-------------------|-------------------|----------------|------|------|------|
| | inch | inch | | | inch | inch | mm | inch | | mm | inch | mm | inch |
| 6 | 1/4 | 9/16 | 1/4 | -0409 | 1/2 | | 11/16 | | T2800-0409 | 1.14 | 29 | 2.17 | 55 |
| | | | | | 12 | 3/4 | 17 | T2801-0409 | | | | | |
| 6 | 1/4 | 11/16 | 3/8 | -0411 | 1/2 | | 7/8 | 22 | T2800-0411 | 1.22 | 31 | 2.20 | 56 |
| | | | | | 12 | | 22 | T2801-0411 | | | | | |
| 8 | 5/16 | 11/16 | | -0511 | | 14 | 7/8 | 22 | T2800-0511 | 1.26 | 32 | 2.24 | 57 |
| 10 | 3/8 | 9/16 | 1/4 | -0609 | 5/8 | 16 | 11/16 | | T2800-0609 | 1.22 | 31 | 2.20 | 56 |
| | | | | | | | 3/4 | 17 | T2801-0609 | | | | |
| 10 | 3/8 | 11/16 | 3/8 | -0611 | 5/8 | 16 | 7/8 | 22 | T2800-0611 | 1.26 | 32 | 2.24 | 57 |
| 10 | 3/8 | 13/16 | 1/2 | -0613 | 5/8 | 16 | 15/16 | 24 | T2800-0613 | 1.38 | 35 | 2.36 | 60 |
| 12 | 1/2 | 11/16 | 3/8 | -0811 | 3/4 | 19 | 7/8 | 22 | T2800-0811 | 1.30 | 33 | 2.28 | 58 |
| 12 | 1/2 | 13/16 | 1/2 | -0813 | 3/4 | 19 | 15/16 | 24 | T2800-0813 | 1.42 | 36 | 2.40 | 61 |
| 12 | 1/2 | 1 | 5/8 | -0816 | 3/4 | 19 | 1.1/8 | | T2800-0816 | 1.50 | 38 | 2.48 | 63 |
| | | | | | | | 1.3/16 | 30 | T2801-0816 | | | | |
| 12 | 1/2 | 1.3/16 | 3/4 | -0819 | 3/4 | 19 | 1.3/8 | | T2800-0819 | 1.65 | 42 | 2.60 | 66 |
| | | | | | | | | 36 | T2801-0819 | | | | |
| 16 | 5/8 | 1 | 5/8 | -1016 | 7/8 | 22 | 1.1/8 | | T2800-1016 | 1.38 | 35 | 2.60 | 66 |
| | | | | | | | | 30 | T2801-1016 | | | | |
| 16 | 5/8 | 1.3/16 | 3/4 | -1019 | 7/8 | 22 | 1.3/8 | | T2800-1019 | 1.50 | 38 | 2.72 | 69 |
| | | | | | | | | 36 | T2801-1019 | | | | |
| 19 | 3/4 | 1 | 5/8 | -1216 | 1.1/16 | 27 | 1.1/8 | | T2800-1216 | 1.54 | 39 | 2.68 | 68 |
| | | | | | | | | 30 | T2801-1216 | | | | |
| 19 | 3/4 | 1.3/16 | 3/4 | -1219 | 1.1/16 | 27 | 1.3/8 | | T2800-1219 | 1.65 | 42 | 2.83 | 72 |
| | | | | | | | | 36 | T2801-1219 | | | | |
| 19 | 3/4 | 1.7/16 | 1 | -1223 | 1.1/16 | 27 | 1.5/8 | 41 | T2800-1223 | 1.65 | 42 | 2.80 | 71 |
| | | | | | | | | 36 | T2801-1223 | | | | |
| 25 | 1 | 1.3/16 | 3/4 | -1619 | 1.1/4 | 32 | 1.3/8 | | T2800-1619 | 1.61 | 41 | 2.83 | 72 |
| | | | | | | | | 36 | T2801-1619 | | | | |
| 25 | 1 | 1.7/16 | 1 | -1623 | 1.1/4 | 32 | 1.5/8 | 41 | T2800-1623 | 1.61 | 41 | 2.83 | 72 |
| | | | | | | | | 36 | T2801-1623 | | | | |
| 31 | 1.1/4 | 1.11/16 | 1.1/4 | -2027 | 1.5/8 | 41 | 2 | 50 | T2800-2027 | 1.89 | 48 | 3.82 | 97 |
| 38 | 1.1/2 | 2 | 1.1/2 | -2432 | 2 | 50 | 2.1/4 | 57 | T2800-2432 | 2.32 | 59 | 4.33 | 110 |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

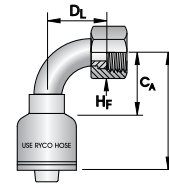
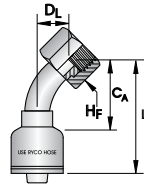
TECHNICAL

COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|------|---------------|---------------|
| ORFS | T2810 - T2811 | T2823 - T2824 |
|------|---------------|---------------|

O RING
FACE SEAL



| DN | HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | ORFS FEMALE 45° TUBE BEND | | | | | | | ORFS FEMALE 90° SHORT BEND | | | | | | | |
|----|-----------|-----------|-----------|-----------|------------|---------------------------|------------|------|------|------|---------|------|----------------------------|------------|------|------|------|------|------|----|
| | | | | | | HF-SPANNER | PART NO | CA | L | DL | PART NO | CA | L | DL | | | | | | |
| | inch | inch | inch | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 9/16 | 1/4 | -0409 | 11/16 | T2810-0409 | 1.54 | 39 | 2.52 | 64 | 0.71 | 18 | T2823-0409 | 1.06 | 27 | 2.05 | 52 | 0.83 | 21 | |
| | | | | | | T2811-0409 | | | | | | | T2824-0409 | | | | | | | |
| 6 | 1/4 | 11/16 | 3/8 | -0411 | 7/8 | 22 | T2810-0411 | 1.54 | 39 | 2.52 | 64 | 0.71 | 18 | T2823-0411 | 1.02 | 26 | 2.01 | 51 | 1.06 | 27 |
| 10 | 3/8 | 11/16 | 3/8 | -0611 | 7/8 | 22 | T2810-0611 | 1.77 | 45 | 2.76 | 70 | 0.79 | 20 | T2823-0611 | 1.26 | 32 | 2.24 | 57 | 0.94 | 24 |
| 10 | 3/8 | 13/16 | 1/2 | -0613 | 15/16 | 24 | T2810-0613 | 1.57 | 40 | 2.56 | 65 | 0.67 | 17 | T2823-0613 | 1.38 | 35 | 2.36 | 60 | 1.14 | 29 |
| 12 | 1/2 | 11/16 | 3/8 | -0811 | 7/8 | 22 | T2810-0811 | 2.13 | 54 | 3.11 | 79 | 0.87 | 22 | | | | | | | |
| 12 | 1/2 | 13/16 | 1/2 | -0813 | 15/16 | 24 | T2810-0813 | 1.93 | 49 | 2.87 | 73 | 0.75 | 19 | T2823-0813 | 1.69 | 43 | 2.68 | 68 | 1.18 | 30 |
| 12 | 1/2 | 1 | 5/8 | -0816 | 1.1/8 | T2810-0816 | 1.89 | 48 | 2.87 | 73 | 0.75 | 19 | T2823-0816 | 1.65 | 42 | 2.60 | 66 | 1.38 | 35 | |
| | | | | | | T2811-0816 | | | | | | | T2824-0816 | | | | | | | |
| 12 | 1/2 | 1.3/16 | 3/4 | -0819 | 1.3/8 | T2823-0819 | | | | | | | T2823-0819 | 1.65 | 42 | 2.64 | 67 | 1.89 | 48 | |
| | | | | | | T2824-0819 | | | | | | | | | | | | | | |
| 16 | 5/8 | 1 | 5/8 | -1016 | 1.1/8 | T2810-1016 | 2.32 | 59 | 3.54 | 90 | 0.79 | 20 | T2823-1016 | 1.69 | 43 | 2.91 | 74 | 1.34 | 34 | |
| | | | | | | T2811-1016 | | | | | | | T2824-1016 | | | | | | | |
| 16 | 5/8 | 1.3/16 | 3/4 | -1019 | 1.3/8 | T2810-1019 | 2.32 | 59 | 3.54 | 90 | 0.94 | 24 | T2823-1019 | 1.77 | 45 | 2.99 | 76 | 1.89 | 48 | |
| | | | | | | T2811-1019 | | | | | | | T2824-1019 | | | | | | | |
| 19 | 3/4 | 1.3/16 | 3/4 | -1219 | 1.3/8 | 36 | T2810-1219 | 3.11 | 79 | 4.25 | 108 | 1.14 | 29 | T2823-1219 | 2.32 | 59 | 3.50 | 89 | 1.89 | 48 |
| | | | | | | | T2811-1219 | | | | | | | T2824-1219 | | | | | | |
| 19 | 3/4 | 1.7/16 | 1 | -1223 | 1.5/8 | 41 | T2810-1223 | 3.03 | 77 | 4.17 | 106 | 1.02 | 26 | T2823-1223 | 2.32 | 59 | 3.50 | 89 | 2.20 | 56 |
| 25 | 1 | 1.7/16 | 1 | -1623 | 1.5/8 | 41 | T2810-1623 | 3.39 | 86 | 4.61 | 117 | 1.34 | 34 | T2823-1623 | 3.19 | 81 | 4.41 | 112 | 2.20 | 56 |
| 31 | 1.1/4 | 1.11/16 | 1.1/4 | -2027 | 2 | 50 | T2810-2027 | 4.02 | 102 | 5.94 | 151 | 1.77 | 45 | T2823-2027 | 3.94 | 100 | 5.87 | 149 | 2.52 | 64 |

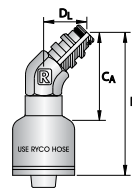
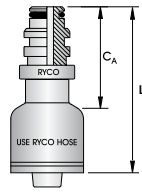
NOTE: Hose Compatibility for the T2000 series can be found on page 189.

COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|----------------|--------------|--------------|
| RYCOLOK | T2870 | T2871 |
|----------------|--------------|--------------|

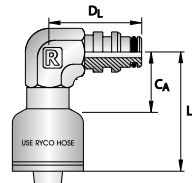
STAPLE
O RING & BACK UP
RING SUPPLIED



| HOSE SIZE | | | STAPLE SIZE | DASH SIZE | RYCOLOK MALE | | | | RYCOLOK MALE 45° ELBOW | | | | | | |
|-----------|-------|----|-------------|-------------------|--------------|-----|------|-----|------------------------|------|-----|------|-----|------|----|
| DN | inch | mm | | PART NO | CA | | L | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 6 | -0406 | T2870-0406 | 1.81 | 46 | 2.80 | 71 | T2871-0406 | 2.01 | 51 | 2.99 | 76 | 1.10 | 28 |
| 6 | 1/4 | 10 | -0410 | T2870-0410 | 1.85 | 47 | 2.83 | 72 | T2871-0410 | 2.05 | 52 | 3.03 | 77 | 1.10 | 28 |
| 10 | 3/8 | 10 | -0610 | T2870-0610 | 1.81 | 46 | 2.80 | 71 | T2871-0610 | 2.09 | 51 | 2.99 | 76 | 1.10 | 28 |
| 12 | 1/2 | 12 | -0812 | T2870-0812 | 1.93 | 49 | 2.91 | 74 | T2871-0812 | | 55 | 3.15 | 80 | 1.10 | 28 |
| 12 | 1/2 | 16 | -0816 | T2870-0816 | 1.93 | 49 | 2.91 | 74 | | 53 | | | | | |
| 16 | 5/8 | 12 | -1012 | T2870-1012 | 1.81 | 46 | 3.03 | 77 | | | | | | | |
| 16 | 5/8 | 16 | -1016 | T2870-1016 | 1.73 | 44 | 2.95 | 75 | T2871-1016 | 3.07 | | | | | |
| 19 | 3/4 | 20 | -1220 | T2870-1220 | 1.89 | 48 | 3.07 | 78 | T2871-1220 | | 66 | 3.74 | 95 | 1.30 | 33 |
| 25 | 1 | 25 | -1625 | T2870-1625 | 2.28 | 58 | 3.46 | 88 | T2871-1625 | 78 | 70 | 3.98 | 101 | 1.46 | 37 |
| 31 | 1.1/4 | 32 | -2032 | T2870-2032 | 2.32 | 59 | 4.25 | 108 | T2871-2032 | | 75 | 4.88 | 124 | 1.46 | 37 |
| 38 | 1.1/2 | 40 | -2440 | T2870-2440 | 2.36 | 60 | 4.37 | 111 | T2871-2440 | 1.06 | 82 | 5.28 | 134 | 1.73 | 44 |
| 51 | 2 | 50 | -3250 | T2870-3250 | 2.28 | 58 | 4.49 | 114 | T2871-3250 | | 87 | 5.63 | 143 | 1.81 | 46 |
| 63 | 2.1/2 | 63 | -4063 | T2870-4063 | 3.54 | 90 | 6.57 | 167 | T2871-4063 | 27 | 114 | 7.52 | 191 | 2.87 | 73 |
| 76 | 3 | 75 | -4875 | T2870-4875 | 5.00 | 127 | 7.99 | 203 | | | | | | | |

| | |
|----------------|--------------|
| RYCOLOK | T2872 |
|----------------|--------------|

STAPLE
O RING & BACK UP
RING SUPPLIED



| HOSE SIZE | | | STAPLE SIZE | DASH SIZE | RYCOLOK MALE 90° ELBOW | | | | | |
|-----------|-------|----|-------------|-------------------|------------------------|----|------|-----|------|-----|
| DN | inch | mm | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 6 | -0406 | T2872-0406 | 1.10 | 28 | 2.13 | 54 | 1.81 | 46 |
| 6 | 1/4 | 10 | -0410 | T2872-0410 | 1.14 | 29 | 2.13 | 54 | 1.81 | 46 |
| 10 | 3/8 | 10 | -0610 | T2872-0610 | 1.22 | 31 | 2.20 | 56 | 1.81 | 46 |
| 12 | 1/2 | 12 | -0812 | T2872-0812 | 1.54 | 39 | 2.52 | 64 | 1.97 | 50 |
| 16 | 5/8 | 16 | -1016 | T2872-1016 | 2.76 | 70 | 3.98 | 101 | 2.05 | 52 |
| 19 | 3/4 | 20 | -1220 | T2872-1220 | 1.73 | 44 | 2.87 | 73 | 2.20 | 56 |
| 25 | 1 | 25 | -1625 | T2872-1625 | 2.05 | 52 | 3.27 | 83 | 2.68 | 68 |
| 31 | 1.1/4 | 32 | -2032 | T2872-2032 | 2.36 | 60 | 4.29 | 109 | 2.68 | 68 |
| 38 | 1.1/2 | 40 | -2440 | T2872-2440 | 2.40 | 61 | 4.45 | 113 | 3.35 | 85 |
| 51 | 2 | 50 | -3250 | T2872-3250 | 2.60 | 66 | 4.80 | 122 | 3.94 | 100 |
| 63 | 2.1/2 | 63 | -4063 | T2872-4063 | 3.15 | 80 | 6.18 | 157 | 5.51 | 140 |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

INTRODUCTION

HOSE

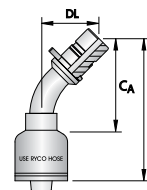
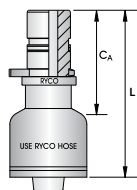
COUPLINGS

ADAPTORS

TECHNICAL

| | | |
|-----------------|--------------|--------------|
| RYCO WEO | T2480 | T2482 |
|-----------------|--------------|--------------|

RYCO WEO

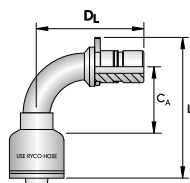


| HOSE SIZE | | PLUG-IN SIZE | | MAX WORKING PRESSURE | | RYCO WEO MALE | | | | | | RYCO WEO MALE 45° TUBE BEND | | | | | | | | | |
|-----------|-------|--------------|----|----------------------|-----|---------------|-------------------|------|------|------|------|-----------------------------|---------|-----|------|-----|------|----|------|----|--|
| DN | Dash | inch | DN | inch | bar | psi | PART NO | | CA | | L | | PART NO | | CA | | L | | DL | | |
| | | | | | | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | |
| 5 | -0304 | 3/16 | 6 | 1/4 | 350 | 5100 | T2480-0304 | 1.22 | 31 | 1.97 | 50 | | | | | | | | | | |
| 6 | -0404 | 1/4 | 6 | 1/4 | 350 | 5100 | T2480-0404 | 1.46 | 37 | 2.48 | 63 | T2482-0404 | 1.73 | 44 | 2.72 | 69 | 0.98 | 25 | | | |
| 6 | -0406 | 1/4 | 10 | 3/8 | 350 | 5100 | T2480-0406 | 1.61 | 41 | 2.64 | 67 | | | | | | | | | | |
| 8 | -0506 | 5/16 | 10 | 3/8 | 350 | 5100 | T2480-0506 | 1.61 | 41 | 2.64 | 67 | T2482-0506 | 2.13 | 54 | 3.11 | 79 | 1.06 | 27 | | | |
| 10 | -0606 | 3/8 | 10 | 3/8 | 350 | 5100 | T2480-0606 | 1.69 | 43 | 2.68 | 68 | T2482-0606 | 2.17 | 55 | 3.15 | 80 | 1.06 | 27 | | | |
| 10 | -0608 | 3/8 | 12 | 1/2 | 350 | 5100 | T2480-0608 | 1.69 | 43 | 2.68 | 68 | | | | | | | | | | |
| 12 | -0808 | 1/2 | 12 | 1/2 | 350 | 5100 | T2480-0808 | 1.73 | 44 | 2.72 | 69 | T2482-0808 | 2.32 | 59 | 3.31 | 84 | 1.22 | 31 | | | |
| 12 | -0812 | 1/2 | 19 | 3/4 | 350 | 5100 | T2480-0812 | 2.17 | 55 | 3.15 | 80 | | | | | | | | | | |
| 16 | -1012 | 5/8 | 19 | 3/4 | 350 | 5100 | T2480-1012 | 1.97 | 50 | 3.19 | 81 | T2482-1012 | 2.83 | 72 | 4.06 | 103 | 1.57 | 40 | | | |
| 19 | -1212 | 3/4 | 19 | 3/4 | 350 | 5100 | T2480-1212 | 2.13 | 54 | 3.31 | 84 | T2482-1212 | 3.23 | 82 | 4.41 | 112 | 1.69 | 43 | | | |
| 25 | -1616 | 1 | 25 | 1 | 250 | 3600 | T2480-1616 | 2.52 | 64 | 3.70 | 94 | T2482-1616 | 4.13 | 105 | 5.35 | 136 | 2.09 | 53 | | | |

NOTE: RYCO WEO male and female couplings and adaptors do not contain a shut-off valve. When not in use, cap the RYCO WEO male using the appropriate size RW811 series stop cap and plug the RYCO WEO female/cartridge using the appropriate size RW723 series stop plug.

| | |
|-----------------|--------------|
| RYCO WEO | T2483 |
|-----------------|--------------|

RYCO WEO



| HOSE SIZE | | PLUG-IN SIZE | | MAX WORKING PRESSURE | | RYCO WEO MALE 90° TUBE BEND | | | | | | | |
|-----------|------|--------------|------|----------------------|------|-----------------------------|------|------|------|------|------|------|----|
| DN | inch | DN | inch | bar | psi | PART NO | | CA | | L | | DL | |
| | | | | | | inch | mm | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 6 | 1/4 | 350 | 5100 | T2483-0404 | 1.14 | 29 | 2.13 | 54 | 1.57 | 40 | |
| 8 | 5/16 | 10 | 3/8 | 350 | 5100 | T2483-0506 | 1.38 | 35 | 2.36 | 60 | 1.06 | 27 | |
| 10 | 3/8 | 10 | 3/8 | 350 | 5100 | T2483-0606 | 1.38 | 35 | 2.36 | 60 | 2.05 | 52 | |
| 10 | 3/8 | 12 | 1/2 | 350 | 5100 | T2483-0608 | 1.42 | 36 | 2.40 | 61 | 1.85 | 47 | |
| 12 | 1/2 | 12 | 1/2 | 350 | 5100 | T2483-0808 | 1.50 | 38 | 2.48 | 63 | 2.28 | 58 | |
| 16 | 5/8 | 19 | 3/4 | 350 | 5100 | T2483-1012 | 1.89 | 48 | 3.11 | 79 | 2.80 | 71 | |
| 19 | 3/4 | 19 | 3/4 | 350 | 5100 | T2483-1212 | 2.32 | 59 | 3.50 | 89 | 3.23 | 82 | |
| 25 | 1 | 25 | 1 | 250 | 3600 | T2483-1616 | 2.83 | 72 | 4.06 | 103 | 3.94 | 100 | |

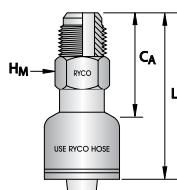
NOTE: RYCO WEO male and female couplings and adaptors do not contain a shut-off valve. When not in use, cap the RYCO WEO male using the appropriate size RW811 series stop cap and plug the RYCO WEO female/cartridge using the appropriate size RW723 series stop plug.

NOTE: Hose Compatibility for the T2000 series can be found on page 189.

COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|-----|-------|
| SAE | T2530 |
|-----|-------|



45° FLARE

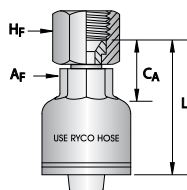
| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | SAE MALE | | | | | | |
|-----------|-----------|-----------|-----------|----------|------------|----|-------------------|------|----|------|----|
| DN | inch | inch | inch | DASH | HM-SPANNER | | PART NO | CA | | L | |
| | | | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 5/8 | 3/8 | -0410 | 5/8 | 16 | T2530-0410 | 1.34 | 34 | 2.32 | 59 |
| 10 | 3/8 | 1/2 | 5/16 | -0608 | 1/2 | | T2530-0608 | 1.34 | 34 | 2.32 | 59 |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 5/8 | 16 | T2530-0610 | 1.46 | 37 | 2.44 | 62 |

NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

SAE T2540

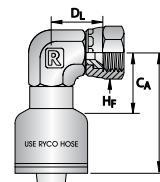
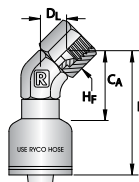
45° FLARE



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | FEMALE HEX | | SAE FEMALE | | | | | | |
|-----------|-----------|-----------|-----------|------------|------------|----|------------|----|-------------------|------|----|------|----|
| DN | inch | inch | inch | | AF-SPANNER | | HF-SPANNER | | PART NO | CA | | L | |
| | inch | inch | inch | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 1/2 | | 9/16 | | T2540-0407 | 1.02 | 26 | 2.05 | 52 |
| 6 | 1/4 | 5/8 | 3/8 | -0410 | 1/2 | | 3/4 | 19 | T2540-0410 | 1.14 | 29 | 2.17 | 55 |
| 10 | 3/8 | 1/2 | 5/16 | -0608 | 5/8 | 16 | 5/8 | 16 | T2540-0608 | 1.10 | 28 | 2.09 | 53 |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 5/8 | 16 | 3/4 | 19 | T2540-0610 | 1.22 | 31 | 2.20 | 56 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/16 | 27 | 1.1/4 | 32 | T2540-1217 | 1.22 | 31 | 2.40 | 61 |

SAE T2580 T2570

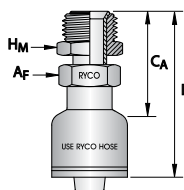
45° FLARE



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | | SAE FEMALE 45° ELBOW | | | | | SAE FEMALE 90° ELBOW | | | | | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|-----|----------------------|----|-------------------|------|------|----------------------|------|------|------|----|-------------------|------|------|------|------|------|------|----|
| DN | inch | inch | inch | | | HF-SPANNER | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | |
| | inch | inch | inch | | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 10 | 3/8 | 1/2 | 5/16 | -0608 | 5/8 | 16 | | T2580-0608 | 1.57 | 40 | 2.56 | 65 | 0.59 | 15 | | T2570-0608 | 1.22 | 31 | 2.20 | 56 | 0.87 | 22 | |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 3/4 | 19 | | T2580-0610 | 1.57 | 40 | 2.56 | 65 | 0.59 | 15 | | T2570-0610 | 1.22 | 31 | 2.20 | 56 | 0.91 | 23 | |

SAE T2740

INVERTED MALE FLARE



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | MALE HEX | | SAE INVERTED MALE FLARE | | | | | | |
|-----------|-----------|-----------|-----------|------------|------------|----|-------------------------|----|-------------------|------|----|------|----|
| DN | inch | inch | inch | | AF-SPANNER | | HM-SPANNER | | PART NO | CA | | L | |
| | inch | inch | inch | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 1/2 | | 1/2 | | T2740-0407 | 1.85 | 47 | 2.83 | 72 |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 5/8 | 16 | 5/8 | 16 | T2740-0610 | 1.61 | 41 | 2.60 | 66 |
| 10 | 3/8 | 11/16 | 7/16 | -0611 | 5/8 | 16 | 5/8 | 16 | T2740-0611 | 2.05 | 52 | 3.07 | 78 |

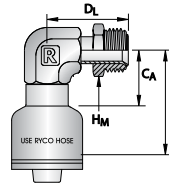
NOTE: Hose Compatibility for the T2000 series can be found on page 189.

COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|-----|-------|
| SAE | T2780 |
|-----|-------|

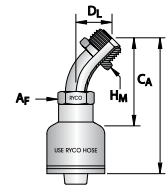
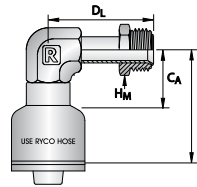
INVERTED
MALE FLARE



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | MALE HEX | SAE INVERTED MALE FLARE 90° ELBOW | | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|------------|-----------------------------------|---------|----|-------------------|------|------|------|------|------|----|
| DN | inch | inch | inch | | AF-SPANNER | HM-SPANNER | PART NO | | CA | | L | | DL | | |
| | | | | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 3/4 | 19 | 3/4 | 19 | T2780-0610 | 1.22 | 31 | 2.20 | 56 | 1.26 | 32 |
| 10 | 3/8 | 11/16 | 7/16 | -0611 | 3/4 | 19 | 3/4 | 19 | T2780-0611 | 1.02 | 26 | 2.01 | 51 | 1.42 | 36 |

| | | |
|-----|-------|-------|
| SAE | T2790 | T2750 |
|-----|-------|-------|

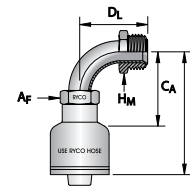
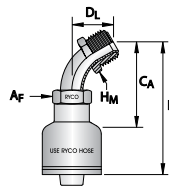
INVERTED
MALE FLARE



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | MALE HEX | SAE INVERTED MALE FLARE 90° EXTENDED ELBOW | | | | | | | | | | SAE INVERTED MALE FLARE 45° TUBE BEND | | | | | | |
|-----------|-----------|-----------|-----------|------------|------------|--|---------|----|-------------------|------|------|------|------|------|---------|---------------------------------------|------|------|------|------|------|----|
| DN | inch | inch | inch | | AF-SPANNER | HM-SPANNER | PART NO | | CA | | L | | DL | | PART NO | CA | | L | | DL | | |
| | | | | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm | |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 3/4 | 19 | 3/4 | 19 | T2790-0610 | 1.02 | 26 | 2.01 | 51 | 2.36 | 60 | T2750-0610 | 2.87 | 73 | 3.86 | 98 | 0.91 | 23 |

| | | |
|-----|-------|-------|
| SAE | T2760 | T2770 |
|-----|-------|-------|

INVERTED
MALE FLARE



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | MALE HEX | SAE INVERTED MALE FLARE 60° TUBE BEND | | | | | | | | | | SAE INVERTED MALE FLARE 90° TUBE BEND | | | | | | |
|-----------|-----------|-----------|-----------|------------|------------|---------------------------------------|---------|----|-------------------|------|------|------|------|------|-------------------|---------------------------------------|------|------|------|------|------|----|
| DN | inch | inch | inch | | AF-SPANNER | HM-SPANNER | PART NO | | CA | | L | | DL | | PART NO | CA | | L | | DL | | |
| | | | | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm | |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 1/2 | | 7/16 | | T2760-0407 | 2.72 | 69 | 3.74 | 95 | 1.14 | 29 | T2770-0407 | 1.97 | 50 | 2.99 | 76 | 1.50 | 38 |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 5/8 | 16 | 5/8 | 16 | | | | | | | T2770-0610 | 2.48 | 63 | 3.50 | 89 | 1.97 | 50 | |

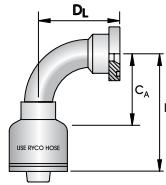
NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|-------------------|--------------|
| SAE FLANGE | T2170 |
|-------------------|--------------|

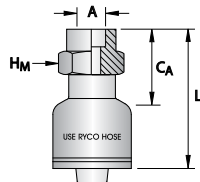
RYCO
CODE 61
CLAMPS - SEE PAGES
442 & 443
O RING NOT SUPPLIED



| HOSE SIZE | | NOM. FLANGE SIZE | DASH SIZE | CODE 61 FLANGE 90° TUBE BEND | | | | | | |
|-----------|-------|------------------|-----------|------------------------------|------|-----|------|-----|------|-----|
| DN | inch | inch | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm |
| 12 | 1/2 | 1/2 | -0808 | T2170-0808 | 1.57 | 40 | 2.56 | 65 | 1.61 | 41 |
| 12 | 1/2 | 3/4 | -0812 | T2170-0812 | 1.57 | 40 | 2.56 | 65 | 1.81 | 46 |
| 16 | 5/8 | 5/8 | -1010 | T2170-1010 | 1.89 | 48 | 3.07 | 78 | 1.89 | 48 |
| 19 | 3/4 | 3/4 | -1212 | T2170-1212 | 2.17 | 55 | 3.35 | 85 | 2.13 | 54 |
| 19 | 3/4 | 1 | -1216 | T2170-1216 | 2.17 | 55 | 3.35 | 85 | 2.36 | 60 |
| 25 | 1 | 3/4 | -1612 | T2170-1612 | 2.36 | 60 | 3.58 | 91 | 2.13 | 54 |
| 25 | 1 | 1 | -1616 | T2170-1616 | 2.83 | 72 | 4.06 | 103 | 2.68 | 68 |
| 25 | 1 | 1.1/4 | -1620 | T2170-1620 | 2.83 | 72 | 4.06 | 103 | 2.72 | 69 |
| 31 | 1.1/4 | 1 | -2016 | T2170-2016 | 3.15 | 80 | 5.08 | 129 | 2.68 | 68 |
| 31 | 1.1/4 | 1.1/4 | -2020 | T2170-2020 | 3.94 | 100 | 5.87 | 149 | 3.07 | 78 |
| 31 | 1.1/4 | 1.1/2 | -2024 | T2170-2024 | 3.94 | 100 | 5.87 | 149 | 3.19 | 81 |
| 38 | 1.1/2 | 1.1/2 | -2424 | T2170-2424 | 4.09 | 104 | 6.14 | 156 | 3.66 | 93 |
| 51 | 2 | 2 | -3232 | T2170-3232 | 5.39 | 137 | 7.60 | 193 | 5.12 | 130 |
| 51 | 2 | 2.1/2 | -3240 | T2170-3240 | 5.55 | 141 | 7.76 | 197 | 5.28 | 134 |

| | |
|----------------|--------------|
| SALVAGE | T2230 |
|----------------|--------------|

TUBE WELD



| HOSE SIZE | | A | DASH SIZE | MALE HEX | | SALVAGE (LIFESAVER) | | | | |
|-----------|-------|-------|-----------|------------|----|---------------------|------|----|------|----|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | 1/2 | | T2230-0404 | 0.98 | 25 | 1.97 | 50 |
| 6 | 1/4 | 5/16 | -0405 | 1/2 | | T2230-0405 | 0.98 | 25 | 1.97 | 50 |
| 6 | 1/4 | 3/8 | -0406 | 5/8 | 16 | T2230-0406 | 0.98 | 25 | 1.97 | 50 |
| 8 | 5/16 | 5/16 | -0505 | 1/2 | | T2230-0505 | 0.98 | 25 | 1.97 | 50 |
| 10 | 3/8 | 3/8 | -0606 | 5/8 | 16 | T2230-0606 | 1.02 | 26 | 2.05 | 52 |
| 10 | 3/8 | 1/2 | -0608 | 3/4 | 19 | T2230-0608 | 1.02 | 26 | 2.05 | 52 |
| 12 | 1/2 | 1/2 | -0808 | 3/4 | 19 | T2230-0808 | 1.06 | 27 | 2.05 | 52 |
| 12 | 1/2 | 5/8 | -0810 | 15/16 | 24 | T2230-0810 | 1.14 | 29 | 2.13 | 54 |
| 16 | 5/8 | 5/8 | -1010 | 15/16 | 24 | T2230-1010 | 1.02 | 26 | 2.24 | 57 |
| 16 | 5/8 | 3/4 | -1012 | 1.1/16 | 27 | T2230-1012 | 1.02 | 26 | 2.24 | 57 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | T2230-1212 | 1.18 | 30 | 2.36 | 60 |
| 25 | 1 | 1 | -1616 | 1.3/8 | | T2230-1616 | 1.38 | 35 | 2.56 | 65 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.5/8 | 41 | T2230-2020 | 1.57 | 40 | 3.54 | 90 |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2 | 50 | T2230-2424 | 1.34 | 34 | 3.39 | 86 |
| 51 | 2 | 2 | -3232 | 2.1/2 | | T2230-3232 | 1.61 | 41 | 3.86 | 98 |

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

INTRODUCTION

HOSE

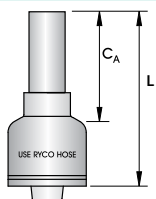
COUPLINGS

ADAPTORS

TECHNICAL

STANDPIPE T2180

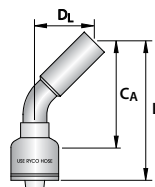
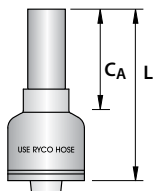
IMPERIAL



| HOSE SIZE | | TUBE SIZE | DASH SIZE | IMPERIAL STANDPIPE | | | | |
|-----------|------|-----------|-----------|--------------------|------|----|------|----|
| DN | inch | inch | | PART NO | CA | | L | |
| | | | | | inch | mm | inch | mm |
| 6 | 1/4 | 3/8 | -0406 | T2180-0406 | 1.42 | 36 | 2.44 | 62 |
| 10 | 3/8 | 3/8 | -0606 | T2180-0606 | 1.46 | 37 | 2.44 | 62 |
| 12 | 1/2 | 1/2 | -0808 | T2180-0808 | 1.50 | 38 | 2.48 | 63 |
| 12 | 1/2 | 5/8 | -0810 | T2180-0810 | 1.73 | 44 | 2.72 | 69 |
| 19 | 3/4 | 3/4 | -1212 | T2180-1212 | 2.09 | 53 | 3.27 | 83 |
| 25 | 1 | 1 | -1616 | T2180-1616 | 2.17 | 55 | 3.39 | 86 |

STANDPIPE T2640 T2643

METRIC



| HOSE SIZE | | TUBE SIZE | DASH SIZE | METRIC STANDPIPE | | | | METRIC STANDPIPE 45° TUBE BEND | | | | | | | |
|-----------|------|-----------|-----------|-------------------|------|----|------|--------------------------------|-------------------|------|----|------|----|------|----|
| DN | inch | mm | | PART NO | CA | | L | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 5 | 3/16 | 6 | -0306 | T2640-0306 | 1.22 | 31 | 1.97 | 50 | | | | | | | |
| 6 | 1/4 | 6 | -0406 | T2640-0406 | 1.46 | 37 | 2.48 | 63 | T2643-0406 | | | | | | |
| 6 | 1/4 | 8 | -0408 | T2640-0408 | 1.34 | 34 | 2.36 | 60 | T2643-0408 | | | | | | |
| 6 | 1/4 | 10 | -0410 | T2640-0410 | 1.42 | 36 | 2.44 | 62 | T2643-0410 | | | | | | |
| 6 | 1/4 | 12 | -0412 | T2640-0412 | 1.42 | 36 | 2.44 | 62 | | | | | | | |
| 8 | 5/16 | 10 | -0510 | T2640-0510 | 1.42 | 36 | 2.44 | 62 | | | | | | | |
| 8 | 5/16 | 12 | -0512 | T2640-0512 | 1.42 | 36 | 2.44 | 62 | | | | | | | |
| 10 | 3/8 | 10 | -0610 | T2640-0610 | 1.46 | 37 | 2.44 | 62 | T2643-0610 | | | | | | |
| 10 | 3/8 | 12 | -0612 | T2640-0612 | 1.50 | 38 | 2.48 | 63 | T2643-0612 | | | | | | |
| 10 | 3/8 | 14 | -0614 | T2640-0614 | 1.77 | 45 | 2.76 | 70 | T2643-0614 | | | | | | |
| 12 | 1/2 | | -0812 | T2640-0812 | 1.54 | 39 | 2.52 | 64 | | | | | | | |
| 12 | 1/2 | | -0814 | T2640-0814 | 1.77 | 45 | 2.76 | 70 | | | | | | | |
| 12 | 1/2 | 15 | -0815 | T2640-0815 | 1.61 | 41 | 2.60 | 66 | T2643-0815 | | | | | | |
| 12 | 1/2 | 16 | -0816 | T2640-0816 | 1.81 | 46 | 2.80 | 71 | T2643-0816 | | | | | | |
| 16 | 5/8 | 16 | -1016 | T2640-1016 | 1.61 | 41 | 2.83 | 72 | | | | | | | |
| 16 | 5/8 | 18 | -1018 | T2640-1018 | 1.50 | 38 | 2.72 | 69 | T2643-1018 | | | | | | |
| 16 | 5/8 | 20 | -1020 | T2640-1020 | 1.97 | 50 | 3.19 | 81 | T2643-1020 | | | | | | |
| 16 | 5/8 | 22 | -1022 | T2640-1022 | 1.65 | 42 | 2.87 | 73 | | | | | | | |
| 19 | 3/4 | 15 | -1215 | T2640-1215 | 1.69 | 43 | 2.87 | 73 | | | | | | | |
| 19 | 3/4 | 20 | -1220 | T2640-1220 | 2.09 | 53 | 3.27 | 83 | T2643-1220 | | | | | | |
| 19 | 3/4 | 22 | -1222 | T2640-1222 | 1.73 | 44 | 2.91 | 74 | T2643-1222 | | | | | | |
| 19 | 3/4 | 25 | -1225 | T2640-1225 | 2.09 | 53 | 3.27 | 83 | T2643-1225 | | | | | | |
| 25 | 1 | 25 | 25 | T2640-1625 | 2.17 | 55 | 3.39 | 86 | | | | | | | |
| 25 | 1 | 28 | -1628 | T2640-1628 | 2.05 | 52 | 3.27 | 83 | T2643-1628 | | | | | | |
| 25 | 1 | 30 | -1630 | T2640-1630 | 2.48 | 63 | 3.70 | 94 | T2643-1630 | | | | | | |

NOTE: See 434 for DKL and DKS Metric Nuts and olives for use with Metric Standpipe Fittings.

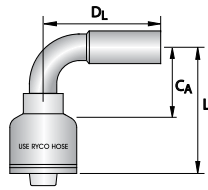
COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

STANDPIPE

T2646

METRIC



| HOSE SIZE | | TUBE SIZE | DASH SIZE | METRIC STANDPIPE 90° TUBE BEND | | | | | | |
|-----------|-------|-----------|-----------|-----------------------------------|------|----|------|----|------|----|
| DN | inch | mm | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 6 | -0406 | T2646-0406 | | | | | | |
| 6 | 1/4 | 8 | -0408 | T2646-0408 | | | | | | |
| 6 | 1/4 | 10 | -0410 | T2646-0410 | | | | | | |
| 6 | 1/4 | 12 | -0412 | T2646-0412 | | | | | | |
| 10 | 13/32 | | -0610 | T2646-0610 | | | | | | |
| 10 | 3/8 | 12 | -0612 | T2646-0612 | | | | | | |
| 10 | 3/8 | 14 | -0614 | T2646-0614 | | | | | | |
| 12 | 1/2 | | -0812 | T2646-0812 | | | | | | |
| 12 | 1/2 | | -0814 | T2646-0814 | | | | | | |
| | | | | T2646-0815 | | | | | | |
| 12 | 1/2 | 16 | -0816 | T2646-0816 | | | | | | |
| | | | | T2646-0818 | | | | | | |
| 16 | 5/8 | 18 | -1018 | T2646-1018 | | | | | | |
| 16 | 5/8 | 22 | -1022 | T2646-1022 | | | | | | |
| 19 | 3/4 | 20 | -1220 | T2646-1220 | | | | | | |
| 19 | 3/4 | 22 | -1222 | T2646-1222 | | | | | | |
| 19 | 3/4 | 25 | -1225 | T2646-1225 | | | | | | |
| 25 | 1 | 25 | -1625 | T2646-1625 | | | | | | |
| | | | | T2646-1628 | | | | | | |
| 25 | 1 | 30 | -1630 | T2646-1630 | | | | | | |
| | | | | T2646-2035 | | | | | | |

NOTE: See page 434 for DKL and DKS Metric Nuts and olives for use with Metric Standpipe Fittings.

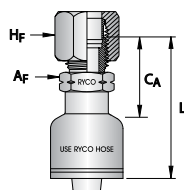
NOTE: Hose Compatibility for the **T2000** series can be found on page 189.

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

TUBE BITE

T2850

COMPLETE WITH NUT AND FLARELESS OLIVE



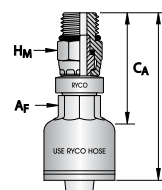
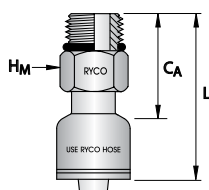
| HOSE SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | FEMALE HEX | TUBE BITE | | | | | | |
|-----------|-----------|-----------|------------|------------|------------|------------|-------------------|------|----|------|----|
| DN | inch | inch | inch | mm | AF-SPANNER | HF-SPANNER | PART NO | CA | L | | |
| | | | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 7/16 | -0404 | 1/2 | | | T2850-0404 | 1.14 | 29 | 2.17 | 55 |
| 6 | 1/4 | 1/2 | -0405 | 9/16 | | | T2850-0405 | 1.18 | 30 | 2.20 | 56 |
| 8 | 5/16 | 1/2 | -0505 | 9/16 | | | T2850-0505 | 1.22 | 31 | 2.20 | 56 |
| 10 | 3/8 | 1/2 | -0605 | 9/16 | | | T2850-0605 | 1.26 | 32 | 2.24 | 57 |
| 10 | 3/8 | 9/16 | -0606 | 5/8 | 16 | 11/16 | T2850-0606 | 1.30 | 33 | 2.28 | 58 |
| 10 | 3/8 | 3/4 | -0608 | 13/16 | | | T2850-0608 | 1.42 | 36 | 2.40 | 61 |
| 12 | 1/2 | 3/4 | -0808 | 13/16 | | | T2850-0808 | 1.46 | 37 | 2.44 | 62 |
| 12 | 1/2 | 7/8 | -0810 | 15/16 | 24 | 1 | T2850-0810 | 1.54 | 39 | 2.52 | 64 |
| 19 | 3/4 | 1.1/16 | -1212 | 1.1/8 | | | T2850-1212 | 1.73 | 44 | 2.87 | 73 |
| 25 | 1 | 1.5/16 | -1616 | 1.3/8 | | | T2850-1616 | 1.81 | 46 | 3.03 | 77 |

UNO (O RING BOSS)

T2200

T2380

O RING SUPPLIED



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | MALE HEX | UN O RING MALE | | | | UN O RING MALE SWIVEL | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|----------|----------------|------------|-------------------|-------------------|-----------------------|------|---------|------|-------------------|------|----|------|----|
| DN | inch | inch | inch | inch | mm | AF-SPANNER | HM-SPANNER | PART NO | CA | L | | PART NO | CA | L | | | | |
| | | | | | | inch | mm | | inch | mm | inch | mm | inch | mm | inch | mm | | |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 9/16 | | | T2200-0407 | 1.06 | 27 | 2.05 | 52 | | | | | | |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 5/8 | 16 | 5/8 | 16 | T2200-0408 | 1.06 | 27 | 2.05 | 52 | | | | | |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 11/16 | | 11/16 | | T2200-0409 | 1.14 | 29 | 2.13 | 54 | | | | | |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 11/16 | | 11/16 | | T2200-0609 | 1.18 | 30 | 2.20 | 56 | T2380-0609 | 1.61 | 41 | 2.60 | 66 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 7/8 | 22 | 7/8 | 22 | T2200-0612 | 1.34 | 34 | 2.32 | 59 | T2380-0612 | 1.73 | 44 | 2.72 | 69 |
| 10 | 3/8 | 7/8 | 5/8 | -0614 | 1.1/16 | 27 | 1.1/16 | 27 | T2200-0614 | 1.42 | 36 | 2.40 | 61 | | | | | |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 7/8 | 22 | 7/8 | 22 | T2200-0812 | 1.34 | 34 | 2.32 | 59 | T2380-0812 | 1.77 | 45 | 2.76 | 70 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 1.1/16 | 27 | 1.1/16 | 27 | T2200-0814 | 1.46 | 37 | 2.44 | 62 | T2380-0814 | 1.81 | 46 | 2.80 | 71 |
| 12 | 1/2 | 1.1/16 | 3/4 | -0817 | 1.1/4 | 32 | 1.1/4 | 32 | T2200-0817 | 1.61 | 41 | 2.60 | 66 | T2380-0817 | 1.93 | 49 | 2.91 | 74 |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 1.1/16 | 27 | 1.1/16 | 27 | T2200-1014 | 1.34 | 34 | 2.56 | 65 | T2380-1014 | 1.69 | 43 | 2.91 | 74 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1.1/4 | 32 | 1.1/4 | 32 | T2200-1017 | 1.57 | 40 | 2.80 | 71 | | | | | |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/4 | 32 | 1.1/4 | 32 | T2200-1217 | 1.73 | 44 | 2.87 | 73 | T2380-1217 | 2.01 | 51 | 3.15 | 80 |
| 19 | 3/4 | 1.5/16 | 1 | -1221 | 1.1/2 | 38 | 1.1/2 | 38 | T2200-1221 | 1.73 | 44 | 2.91 | 74 | | | | | |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.1/2 | 38 | 1.1/2 | 38 | T2200-1621 | 1.73 | 44 | 2.95 | 75 | | | | | |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | 2 | 50 | 2 | 50 | T2200-2026 | 2.01 | 51 | 3.94 | 100 | | | | | |

NOTE: The "Live Swivel" T2380 Series Insert is for Maximum Working Pressure: 350 bar (5100 psi): -09 & -12 Thread Size, 280 bar (4100 psi): -14 & -17 Thread Size. Their swivel capability is to allow easy installation and orientation and avoid twisting of hose. They are not designed for continuous rotation or continuous movement.

NOTE: Hose Compatibility for the T2000 series can be found on page 189.

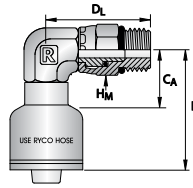
COUPLINGS

T2000 SERIES ONE-PIECE CRIMP COUPLINGS

UNO (O RING BOSS)

T2390

O RING SUPPLIED



| HOSE SIZE | | | | | MALE HEX | | UN O RING MALE SWIVEL 90° ELBOW | | | | | | |
|-----------|------|--------|------|-----------|----------|----|---------------------------------|------|----|------|----|------|----|
| DN | inch | inch | inch | DASH SIZE | inch | mm | PART NO | CA | | L | | DL | |
| | | | | | | | | inch | mm | inch | mm | inch | mm |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 3/4 | 19 | T2390-0609 | 1.77 | 45 | 2.76 | 70 | 0.91 | 23 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 3/4 | 19 | T2390-0612 | 1.97 | 50 | 2.95 | 75 | 0.91 | 23 |
| 10 | 3/8 | 7/8 | 5/8 | -0614 | 3/4 | 19 | T2390-0614 | 2.01 | 51 | 2.99 | 76 | 0.91 | 23 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 7/8 | 22 | T2390-0812 | 2.05 | 52 | 3.03 | 77 | 1.14 | 29 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 7/8 | 22 | T2390-0814 | 2.09 | 53 | 3.07 | 78 | 1.14 | 29 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/16 | 27 | T2390-1217 | 2.36 | 60 | 3.50 | 89 | 1.18 | 30 |

NOTE: The "Live Swivel" T2390 Series Insert is for Maximum Working Pressure: 350 bar (5100 psi): -09 & -12 Thread Size, 280 bar (4100 psi): -14 & -17 Thread Size. Their swivel capability is to allow easy installation and orientation and avoid twisting of hose. They are not designed for continuous rotation or continuous movement.

NOTE: Hose Compatibility for the T2000 series can be found on page 189.

T4000 SERIES ONE-PIECE CRIMP COUPLINGS

HOSE COMPATIBILITY FOR T4000 SERIES

NON-SKIVE

For RYCO Hose Series SRF, SRX (sizes -12 to -48).
 For RYCO Hose Series RT7/T/7N/7TN (sizes -02 to -12).
 For RYCO Hose Series T5, RQP5 (sizes -04 to -32).
 For RYCO Hose Series MP1 (sizes -04 to -20).
 For RYCO Hose Series RST (sizes -08 to -48).
 For RYCO Hose Series PCM (sizes -08 to -16).
 For RYCO Hose Series M2/G, PL1D (sizes -04 to -12).

NON-SKIVE

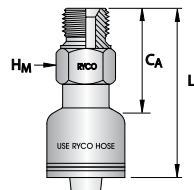
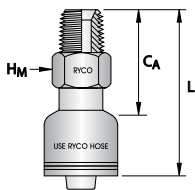
For RYCO Hose Series TP7, TP7N, TP7T, TP7TN, TP3000, PL1D, PL1PV, RQP6, CS1000, MS1000.

BSP

T4010

T4013

60° SEAT

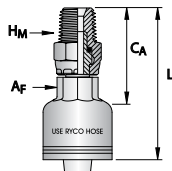


| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | BSPT MALE | | | | BSPP MALE | | | |
|-----------|-------|-----------|-----------|-----------------------|-------------------|---------------|--------------|-------------------|---------------|--------------|--|--|
| DN | inch | inch | | HM-SPANNER inch mm | PART NO | CA inch mm | L inch mm | PART NO | CA inch mm | L inch mm | | |
| 5 | 3/16 | 1/4 | -0304 | 14 | T4010-0304 | 1.14 29 | 1.93 49 | | | | | |
| 6 | 1/4 | 1/4 | -0404 | 14 | T4010-0404 | 1.26 32 | 2.24 57 | T4013-0404 | 1.34 34 | 2.32 59 | | |
| 8 | 5/16 | 1/4 | -0504 | 14 | T4010-0504 | 1.38 35 | 2.36 60 | | | | | |
| 10 | 3/8 | 1/4 | -0604 | 14 | T4010-0604 | 1.42 36 | 2.40 61 | | | | | |
| 10 | 3/8 | 3/8 | -0606 | 3/4 19 | T4010-0606 | 1.38 35 | 2.36 60 | T4013-0606 | 1.46 37 | 2.44 62 | | |
| 10 | 3/8 | 1/2 | -0608 | 7/8 22 | T4010-0608 | 1.61 41 | 2.60 66 | | | | | |
| 12 | 1/2 | 3/8 | -0806 | 3/4 19 | T4010-0806 | 1.50 38 | 2.48 63 | | | | | |
| 12 | 1/2 | 1/2 | -0808 | 7/8 22 | T4010-0808 | 1.65 42 | 2.64 67 | T4013-0808 | 1.61 41 | 2.60 66 | | |
| 16 | 5/8 | 3/4 | -1012 | 1.1/16 27 | T4010-1012 | 1.61 41 | 2.87 73 | | | | | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 27 | T4010-1212 | 1.85 47 | 3.07 78 | T4013-1212 | 1.85 47 | 3.07 78 | | |
| 25 | 1 | 1 | -1616 | 36 | T4010-1616 | 2.09 53 | 3.39 86 | T4013-1616 | 2.01 51 | 3.31 84 | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | 46 | T4010-2020 | 2.36 60 | 4.29 109 | T4013-2020 | 2.36 60 | 4.29 109 | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2 50 | T4010-2424 | 2.17 55 | 4.13 105 | | | | | |
| 51 | 2 | 2 | -3232 | 65 | T4010-3232 | 2.60 66 | 4.69 119 | | | | | |

BSPT

T4320

60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | MALE HEX | BSPT MALE SWIVEL | | | |
|-----------|------|-----------|-----------|-----------------------|-----------------------|-------------------|---------------|--------------|--|
| DN | inch | inch | | AF-SPANNER inch mm | HM-SPANNER inch mm | PART NO | CA inch mm | L inch mm | |
| 4 | 1/8 | 1/8 | -0202 | 1/2 | 14 | T4320-0202 | 1.34 34 | 1.89 48 | |

NOTE: This "Live Swivel" T4320 Series Insert is for Maximum Working Pressure: 420 bar (6100 psi): -02 Thread Size. Its swivel capability is to allow easy installation and orientation and avoid twisting of hose. It is not designed for continuous rotation or continuous movement.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

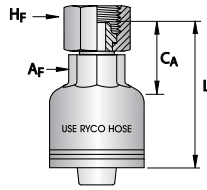
TECHNICAL

COUPLINGS

T4000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|-------------|--------------|
| BSPP | T4020 |
|-------------|--------------|

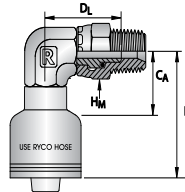
60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | BSPP FEMALE | | | | |
|-----------|-------|-----------|-----------|------------|----|------------|----|-------------------|------|----|------|-----|
| DN | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 5 | 3/16 | 1/4 | -0304 | | 12 | 3/4 | 19 | T4020-0304 | 0.87 | 22 | 1.61 | 41 |
| 6 | 1/4 | 1/4 | -0404 | | 12 | 3/4 | 19 | T4020-0404 | 0.91 | 23 | 1.89 | 48 |
| 8 | 5/16 | 1/4 | -0504 | | 14 | 3/4 | 19 | T4020-0504 | 0.94 | 24 | 1.93 | 49 |
| 10 | 3/8 | 1/4 | -0604 | 5/8 | 16 | 3/4 | 19 | T4020-0604 | 0.94 | 24 | 1.93 | 49 |
| 10 | 3/8 | 3/8 | -0606 | 5/8 | 16 | 7/8 | 22 | T4020-0606 | 1.02 | 26 | 2.01 | 51 |
| 10 | 3/8 | 1/2 | -0608 | 5/8 | 16 | 1.1/16 | 27 | T4020-0608 | 1.18 | 30 | 2.13 | 54 |
| 12 | 1/2 | 1/2 | -0808 | 3/4 | 19 | 1.1/16 | 27 | T4020-0808 | 1.10 | 28 | 2.09 | 53 |
| 12 | 1/2 | 3/4 | -0812 | 3/4 | 19 | 1.1/4 | 32 | T4020-0812 | 1.26 | 32 | 2.28 | 58 |
| 16 | 5/8 | 5/8 | -1010 | 7/8 | 22 | 1.3/16 | 30 | T4020-1010 | 1.14 | 29 | 2.36 | 60 |
| 16 | 5/8 | 3/4 | -1012 | 7/8 | 22 | 1.1/4 | 32 | T4020-1012 | 1.30 | 33 | 2.52 | 64 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 1.1/4 | 32 | T4020-1212 | 1.30 | 33 | 2.48 | 63 |
| 25 | 1 | 1 | -1616 | 1.1/4 | 32 | 1.1/2 | 38 | T4020-1616 | 1.50 | 38 | 2.80 | 71 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.5/8 | 41 | 2 | 50 | T4020-2020 | 1.77 | 45 | 3.70 | 94 |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2 | 50 | 2.3/16 | 55 | T4020-2424 | 1.85 | 47 | 3.78 | 96 |
| 51 | 2 | 2 | -3232 | | 65 | 2.3/4 | 70 | T4020-3232 | 2.17 | 55 | 4.25 | 108 |

| | |
|-------------|--------------|
| BSPT | T4340 |
|-------------|--------------|

60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | | BSPT MALE SWIVEL 90° ELBOW | | | | | | |
|-----------|------|-----------|-----------|------------|----|----------------------------|------|----|------|----|------|----|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | inch | mm | | inch | mm | inch | mm | inch | mm |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | T4340-0808 | 1.46 | 37 | 2.48 | 63 | 2.05 | 52 |

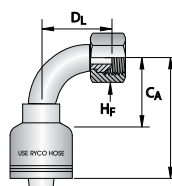
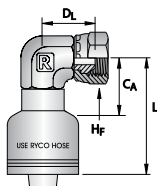
NOTE: The "Live Swivel" T4340 Series Couplings is for Maximum Working Pressure: 420 bar (6100 psi): -04 & -06 Thread Size, 350 bar (5100 psi): -08 Thread Size, 280 bar (4100 psi): -12 Thread Size, 215 bar (3100 psi): -16 Thread Size. Their swivel capability is to allow easy installation and orientation and avoid twisting of hose. They are not designed for continuous rotation or continuous movement.

NOTE: Hose Compatibility for the T4000 series can be found on page 235.

T4000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-------------|--------------|--------------|
| BSPP | T4050 | T4260 |
|-------------|--------------|--------------|

60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | | BSPP FEMALE 90° ELBOW | | | | | | BSPP FEMALE 90° TUBE BEND | | | | | | | |
|-----------|-------|-----------|-----------|------------|----|-----------------------|------|----|------|-----|------|---------------------------|-------------------|------|----|------|-----|------|----|
| DN | inch | inch | | HF-SPANNER | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | inch | mm | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | 3/4 | 19 | | | | | | | | T4260-0404 | 1.26 | 32 | 2.24 | 57 | 1.14 | 29 |
| 10 | 3/8 | 3/8 | -0606 | 7/8 | 22 | | | | | | | | T4260-0606 | 1.38 | 35 | 2.32 | 59 | 1.30 | 33 |
| 10 | 3/8 | 1/2 | -0608 | 1.1/16 | 27 | | | | | | | | T4260-0608 | 1.38 | 35 | 2.32 | 59 | 1.30 | 33 |
| 12 | 1/2 | 1/2 | -0808 | 1.1/16 | 27 | T4050-0808 | 1.46 | 37 | 2.48 | 63 | 1.22 | 31 | T4260-0808 | 1.61 | 41 | 2.60 | 66 | 1.77 | 45 |
| 16 | 5/8 | 5/8 | -1010 | 1.3/16 | 30 | | | | | | | | T4260-1010 | 1.77 | 45 | 3.03 | 77 | 1.97 | 50 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | | | | | | | | T4260-1212 | 2.32 | 59 | 3.54 | 90 | 2.32 | 59 |
| 25 | 1 | 1 | -1616 | 1.1/2 | 38 | | | | | | | | T4260-1616 | 2.68 | 68 | 4.02 | 102 | 3.07 | 78 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 2 | 50 | T4050-2020 | 2.05 | 52 | 3.98 | 101 | 2.05 | 52 | | | | | | | |

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

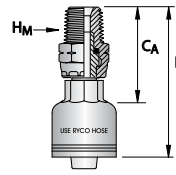
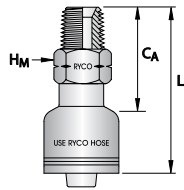
NOTE: Hose Compatibility for the **T4000** series can be found on page 235.

COUPLINGS

T4000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-----|-------|--------|
| NPT | T4090 | T4320N |
|-----|-------|--------|

60° SEAT

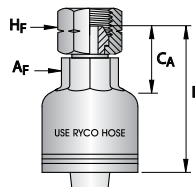


| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | NPT MALE | | | | NPTF MALE SWIVEL | | | | | | |
|-----------|---------|-----------|-----------|----------|----------|-------------------|------|----|------------------|---------|--------------------|------|------|------|----|
| DN | inch | inch | | inch | mm | PART NO | CA | L | | PART NO | CA | L | | | |
| | | | | | | | inch | mm | inch | mm | inch | mm | inch | mm | |
| | | | | | | | | | | | | | | | |
| 4 | 1/8 | 1/8 | -0202 | 1/2 | | T4090-0202 | 0.79 | 20 | 1.34 | 34 | T4320N-0202 | 1.34 | 34 | 1.89 | 48 |
| 5 | 3/16 | 1/8 | -0302 | 1/2 | | T4090-0302 | 0.91 | 23 | 1.69 | 43 | | | | | |
| 5 | 3/16 | 1/4 | -0304 | 9/16 | | T4090-0304 | 1.14 | 29 | 1.93 | 49 | | | | | |
| 6 | 1/4 | 1/8 | -0402 | 1/2 | | T4090-0402 | 1.10 | 28 | 2.13 | 54 | | | | | |
| 6 | 1/4 | 1/4 | -0404 | 9/16 | | T4090-0404 | 1.26 | 32 | 2.24 | 57 | | | | | |
| 8 | 5/16 | 1/4 | -0504 | 9/16 | | T4090-0504 | 1.34 | 34 | 2.32 | 59 | | | | | |
| 8 | 5/16 | 3/8 | -0506 | 3/4 | 19 | T4090-0506 | 1.34 | 34 | 2.32 | 59 | | | | | |
| 10 | 3/8 | 1/4 | -0604 | 9/16 | | T4090-0604 | 1.38 | 35 | 2.36 | 60 | | | | | |
| 10 | 3/8 | 3/8 | -0606 | 3/4 | 19 | T4090-0606 | 1.38 | 35 | 2.36 | 60 | | | | | |
| 10 | 3/8 | 1/2 | -0608 | 7/8 | 22 | T4090-0608 | 1.61 | 41 | 2.60 | 66 | | | | | |
| 12 | 1/2 | 3/8 | -0806 | 3/4 | 19 | T4090-0806 | 1.50 | 38 | 2.48 | 63 | T4320N-0806 | 1.97 | 50 | 2.95 | 75 |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | T4090-0808 | 1.65 | 42 | 2.64 | 67 | | | | | |
| 12 | 1/2 | 3/4 | -0812 | 1.1/16 | 27 | T4090-0812 | 1.73 | 44 | 2.72 | 69 | | | | | |
| 16 | 5/8 | 3/4 | -1012 | 1.1/16 | 27 | T4090-1012 | 1.61 | 41 | 2.87 | 73 | | | | | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | T4090-1212 | 1.85 | 47 | 3.07 | 78 | | | | | |
| 22 | 7/8 | 1 | -1416 | 1.3/8 | | T4090-1416 | 1.69 | 43 | 2.91 | 74 | | | | | |
| 25 | 1 | 1 | -1616 | 1.3/8 | | T4090-1616 | 2.09 | 53 | 3.39 | 86 | | | | | |
| 28 | 1.1/8 | 1.1/4 | -1820 | 1.3/4 | | T4090-1820 | 1.81 | 46 | 3.11 | 79 | | | | | |
| 31 | 1.1/4 | 1 | -2016 | 1.3/8 | | T4090-2016 | 2.28 | 58 | 4.21 | 107 | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.3/4 | | T4090-2020 | 2.36 | 60 | 4.29 | 109 | | | | | |
| 35 | 1.3/8 | 1.1/2 | -2224 | 2 | 50 | T4090-2224 | 2.13 | 54 | 3.98 | 101 | | | | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2 | 50 | T4090-2424 | 2.17 | 55 | 4.13 | 105 | | | | | |
| 46 | 1.13/16 | 2 | -2932 | 2.1/2 | | T4090-2932 | 2.32 | 59 | 4.41 | 112 | | | | | |
| 51 | 2 | 2 | -3232 | 2.1/2 | | T4090-3232 | 2.60 | 66 | 4.69 | 119 | | | | | |

NOTE: The "Live Swivel" T4320N Series Coupling is for Maximum Working Pressure: 420 bar (6100 psi): -04 & -06 Thread Size, 350 bar (5100 psi): -08 Thread Size, 280 bar (4100 psi): -12 Thread Size, 215 bar (3100 psi): -16 Thread Size. Their swivel capability is to allow easy installation and orientation and avoid twisting of hose. They are not designed for continuous rotation or continuous movement.

| | |
|-----|--------|
| NPT | T4020N |
|-----|--------|

60° SEAT

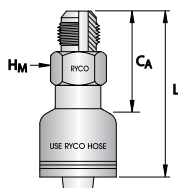


| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP A _F | FEMALE HEX | NPSM FEMALE | | | | | | |
|-----------|------|-----------|-----------|------------------------|------------|-------------------------|-------------------------|--------------------|------|----|------|----|
| DN | inch | inch | | inch | mm | A _F -SPANNER | H _F -SPANNER | PART NO | CA | L | | |
| | | | | | | inch | mm | | inch | mm | | |
| 6 | 1/4 | 1/4 | -0404 | 1/2 | | 11/16 | | T4020N-0404 | 0.91 | 23 | 1.89 | 48 |
| 10 | 3/8 | 3/8 | -0606 | 5/8 | 16 | 7/8 | 22 | T4020N-0606 | 1.02 | 26 | 2.01 | 51 |
| 12 | 1/2 | 1/2 | -0808 | 3/4 | 19 | 1.1/16 | 27 | T4020N-0808 | 1.10 | 28 | 2.09 | 53 |

T4000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|------------|---------------|
| JIC - MALE | T4030 - T4031 |
|------------|---------------|

37° FLARE



| DN | HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | | JIC MALE | | | | |
|----|-----------|--------|-----------|-----------|-----------|----------|----|-------------------|------|----|------|-----|
| | inch | inch | inch | inch | inch | inch | mm | PART NO | CA | | L | |
| 5 | 3/16 | 7/16 | 1/4 | -0307 | 1/2 | | | T4030-0307 | 1.06 | 27 | 1.85 | 47 |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 1/2 | | | T4030-0407 | 1.26 | 32 | 2.28 | 58 |
| | | | | | | 12 | | T4031-0407 | | | | |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 9/16 | | | T4030-0408 | 1.22 | 31 | 2.24 | 57 |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 5/8 | 16 | | T4030-0409 | 1.26 | 32 | 2.24 | 57 |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 5/8 | 16 | | T4030-0609 | 1.42 | 36 | 2.40 | 61 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 3/4 | 19 | | T4030-0612 | 1.46 | 37 | 2.44 | 62 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 3/4 | 19 | | T4030-0812 | 1.57 | 40 | 2.56 | 65 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 15/16 | 24 | | T4030-0814 | 1.69 | 43 | 2.68 | 68 |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 15/16 | 24 | | T4030-1014 | 1.69 | 43 | 2.95 | 75 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1.1/16 | 27 | | T4030-1017 | 1.69 | 43 | 2.95 | 75 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/16 | 27 | | T4030-1217 | 1.97 | 50 | 3.19 | 81 |
| 38 | 1.1/2 | 1.7/8 | 1.1/2 | -2430 | 2 | 50 | | T4030-2430 | 2.24 | 57 | 4.17 | 106 |

NOTE: Hose Compatibility for the **T4000** series can be found on page 235.

INTRODUCTION

HOSE

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TECHNICAL

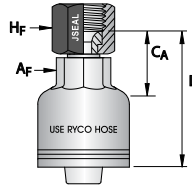
COUPLINGS

T4000 SERIES ONE-PIECE CRIMP COUPLINGS

JSEAL™ / JIC

T4040 - T4041

CONVEX SEAT



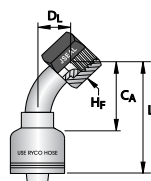
| DN | HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | PART NO | JSEAL™ / JIC FEMALE | | L | |
|----|-----------|-----------|-----------|-----------|------------|----|------------|-------|-------------------|---------------------|----|------|-----|
| | | | | | inch | mm | inch | mm | | CA | mm | inch | mm |
| 5 | 3/16 | 7/16 | 1/4 | -0307 | 1/2 | | 9/16 | | T4040-0307 | 0.87 | 22 | 1.61 | 41 |
| | | | | | | | 14 | | T4041-0307 | | | | |
| 5 | 3/16 | 1/2 | 5/16 | -0308 | 1/2 | | 5/8 | 16 | T4040-0308 | 0.87 | 22 | 1.61 | 41 |
| | | | | | | | 9/16 | 11/16 | T4040-0309 | | | | |
| 5 | 3/16 | 9/16 | 3/8 | -0309 | | | 3/4 | 19 | T4041-0309 | 0.87 | 22 | 1.65 | 42 |
| 6 | 1/4 | 3/8 | 3/16 | -0406 | 1/2 | | 1/2 | | T4040-0406 | 0.87 | 22 | 1.85 | 47 |
| | | | | | | | 9/16 | | T4040-0407 | | | | |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | | 12 | 14 | | T4041-0407 | 0.75 | 19 | 1.73 | 44 |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 1/2 | | 5/8 | 16 | T4040-0408 | 0.83 | 21 | 1.81 | 46 |
| | | | | | | | 11/16 | | T4040-0409 | | | | |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | | 12 | 3/4 | 19 | T4041-0409 | 0.87 | 22 | 1.89 | 48 |
| 8 | 5/16 | 1/2 | 5/16 | -0508 | | 14 | 5/8 | 16 | T4040-0508 | 0.87 | 22 | 1.85 | 47 |
| | | | | | | | 11/16 | | T4040-0509 | | | | |
| 8 | 5/16 | 9/16 | 3/8 | -0509 | | 14 | 3/4 | 19 | T4041-0509 | 0.87 | 22 | 1.89 | 48 |
| 8 | 5/16 | 3/4 | 1/2 | -0512 | | 14 | 7/8 | 22 | T4040-0512 | 0.87 | 22 | 1.85 | 47 |
| 10 | 3/8 | 7/16 | 1/4 | -0607 | 5/8 | 16 | 9/16 | | T4040-0607 | 0.87 | 22 | 1.85 | 47 |
| | | | | | 5/8 | 16 | 14 | | T4041-0607 | | | | |
| | | | | | 5/8 | 16 | 11/16 | | T4040-0609 | | | | |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 5/8 | 16 | 3/4 | 19 | T4041-0609 | 1.69 | 43 | 2.68 | 68 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 5/8 | 16 | 7/8 | 22 | T4040-0612 | 1.06 | 27 | 2.05 | 52 |
| | | | | | 3/4 | 19 | 11/16 | | T4040-0809 | | | | |
| 12 | 1/2 | 9/16 | 3/8 | -0809 | | 19 | 3/4 | 19 | T4041-0809 | 1.22 | 31 | 2.20 | 56 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 3/4 | 19 | 7/8 | 22 | T4040-0812 | 1.18 | 30 | 2.44 | 62 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 3/4 | 19 | 1.1/16 | 27 | T4040-0814 | 1.34 | 34 | 2.52 | 64 |
| 12 | 1/2 | 1.1/16 | 3/4 | -0817 | 3/4 | 19 | 1.1/4 | 32 | T4040-0817 | 1.22 | 31 | 2.44 | 62 |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 7/8 | 22 | 1.1/16 | 27 | T4040-1014 | 1.34 | 34 | 2.56 | 65 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 7/8 | 22 | 1.1/4 | 32 | T4040-1017 | 1.34 | 34 | 2.68 | 68 |
| 19 | 3/4 | 7/8 | 5/8 | -1214 | 1.1/16 | 27 | 1.1/16 | 27 | T4040-1214 | 1.38 | 35 | 2.72 | 69 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/16 | 27 | 1.1/4 | 32 | T4040-1217 | 1.61 | 41 | 2.91 | 74 |
| 22 | 7/8 | 1.5/16 | 1 | -1421 | 1.1/4 | 32 | 1.1/2 | 38 | T4040-1421 | 1.69 | 43 | 3.62 | 92 |
| 25 | 1 | 1.1/16 | 3/4 | -1617 | 1.1/4 | 32 | 1.1/4 | 32 | T4040-1617 | 1.69 | 43 | 3.62 | 92 |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.1/4 | 32 | 1.1/2 | 38 | T4040-1621 | 1.73 | 44 | 3.58 | 91 |
| 28 | 1.1/18 | 1.5/8 | 1.1/4 | -1826 | 1.5/8 | 41 | 2 | 50 | T4040-1826 | 2.09 | 53 | 4.06 | 103 |
| 31 | 1.1/4 | 1.5/16 | 1 | -2021 | 1.5/8 | 41 | 1.1/2 | 38 | T4040-2021 | 2.36 | 60 | 4.45 | 113 |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | 1.5/8 | 41 | 2 | 50 | T4040-2026 | 2.44 | 62 | 4.49 | 114 |
| 35 | 1.3/8 | 1.7/8 | 1.1/2 | -2230 | 2 | | 2.1/4 | 57 | T4040-2230 | 1.73 | 44 | 3.58 | 91 |
| 38 | 1.1/2 | 1.7/8 | 1.1/2 | -2430 | 2 | 50 | 2.1/4 | 57 | T4040-2430 | 2.09 | 53 | 4.06 | 103 |
| 46 | 1.13/16 | 2.1/2 | 2 | -2940 | 2.1/2 | | 2.7/8 | 73 | T4040-2940 | 2.36 | 60 | 4.45 | 113 |
| 51 | 2 | 2.1/2 | 2 | -3240 | | 65 | 2.7/8 | 73 | T4040-3240 | 2.44 | 62 | 4.49 | 114 |

NOTE: Hose Compatibility for the T4000 series can be found on page 235.

T4000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|--------------|---------------|
| JSEAL™ / JIC | T4250 - T4251 |
|--------------|---------------|

CONVEX SEAT



| DN | HOSE SIZE | | | | FEMALE HEX | | PART NO | CA | | L | | DL | |
|----|-----------|--------|-------|-----------|------------|----|-------------------|------|-----|------|-----|------|----|
| | inch | inch | inch | DASH SIZE | inch | mm | | inch | mm | inch | mm | inch | mm |
| 5 | 3/16 | 7/16 | 1/4 | -0307 | 9/16 | | T4250-0307 | 1.22 | 31 | 1.97 | 50 | 0.39 | 10 |
| | | | | | | 14 | T4251-0307 | | | | | | |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 9/16 | | T4250-0407 | 1.57 | 40 | 2.56 | 65 | 0.59 | 15 |
| | | | | | | 14 | T4251-0407 | | | | | | |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 5/8 | 16 | T4250-0408 | 1.30 | 33 | 2.28 | 58 | 0.59 | 15 |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 11/16 | | T4250-0409 | 1.30 | 33 | 2.28 | 58 | 0.59 | 15 |
| | | | | | | 19 | T4251-0409 | | | | | | |
| 8 | 5/16 | 9/16 | 3/8 | -0509 | 11/16 | | T4250-0509 | 1.57 | 40 | 2.56 | 65 | 0.63 | 16 |
| | | | | | | 19 | T4251-0509 | | | | | | |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1.1/4 | 32 | T4250-1017 | 2.13 | 54 | 3.39 | 86 | 0.94 | 24 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/4 | 32 | T4250-1217 | 3.11 | 79 | 4.29 | 109 | 1.10 | 28 |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.1/2 | 38 | T4250-1621 | 3.31 | 84 | 4.65 | 118 | 1.38 | 35 |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | 2 | 50 | T4250-2026 | 3.94 | 100 | 5.87 | 149 | 1.54 | 39 |

NOTE: Hose Compatibility for the T4000 series can be found on page 235.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

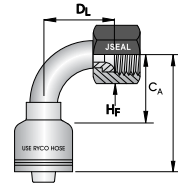
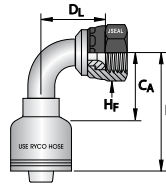
TECHNICAL

COUPLINGS

T4000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|---------------------|--------------|----------------------|
| JSEAL™ / JIC | T4243 | T4240 - T4241 |
|---------------------|--------------|----------------------|

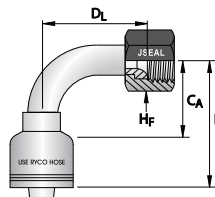
CONVEX SEAT



| DN | HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | | JSEAL™ / JIC FEMALE 90° SHORT BEND | | | | | JSEAL™ JIC FEMALE 90° MEDIUM BEND | | | | | | | | |
|----|-----------|-----------|-----------|-----------|------------|-------------------|------------------------------------|------|------|------|------|-----------------------------------|-------------------|-------------------|------|------|------|------|------|----|
| | | | | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | | | | |
| 5 | 3/16 | 7/16 | 1/4 | | 9/16 | | | | | | | | T4240-0307 | 1.06 | 27 | 1.85 | 47 | 0.98 | 25 | |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 9/16 | | T4243-0407 | 1.46 | 37 | 2.44 | 62 | 0.83 | 21 | T4240-0407 | 1.54 | 39 | 2.52 | 64 | 1.26 | 32 |
| | | | | | 14 | T4241-0407 | | | | | | | | | | | | | | |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 5/8 | 16 | | | | | | | T4240-0408 | 1.26 | 32 | 2.24 | 57 | 1.26 | 32 | |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 11/16 | | T4243-0409 | 1.06 | 27 | 2.05 | 52 | 0.87 | 22 | T4240-0409 | 1.30 | 33 | 2.28 | 58 | 1.50 | 38 |
| | | | | | 3/4 | T4241-0409 | | | | | | | | | | | | | | |
| 8 | 5/16 | 9/16 | 3/8 | -0509 | 11/16 | | T4243-0509 | 1.38 | 35 | 2.36 | 60 | 1.18 | 30 | T4240-0509 | 1.38 | 35 | 2.36 | 60 | 1.18 | 30 |
| | | | | | 3/4 | T4241-0509 | | | | | | | | | | | | | | |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 11/16 | | T4243-0609 | 1.22 | 31 | 2.20 | 56 | 0.91 | 23 | T4240-0609 | 1.34 | 34 | 2.32 | 59 | 1.02 | 26 |
| | | | | | 3/4 | T4241-0609 | | | | | | | | | | | | | | |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 7/8 | 22 | | | | | | | T4240-0612 | 1.38 | 35 | 2.36 | 60 | 1.18 | 30 | |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 7/8 | 22 | T4243-0812 | 1.69 | 43 | 2.68 | 68 | 1.14 | 29 | T4240-0812 | 1.61 | 41 | 2.60 | 66 | 1.50 | 38 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 1.1/16 | 27 | | | | | | | T4240-0814 | 1.61 | 41 | 2.60 | 66 | 1.61 | 41 | |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1.1/4 | 32 | | | | | | | T4240-1017 | 1.77 | 45 | 3.03 | 77 | 1.89 | 48 | |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/4 | 32 | | | | | | | T4240-1217 | 2.32 | 59 | 3.54 | 90 | 2.24 | 57 | |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.1/2 | 38 | | | | | | | T4240-1621 | 2.68 | 68 | 3.98 | 101 | 2.83 | 72 | |
| 28 | 1.1/18 | 1.5/8 | 1.1/4 | -1826 | 2 | 50 | | | | | | | T4240-1826 | 2.68 | 68 | 4.02 | 102 | 3.07 | 78 | |
| 31 | 1.1/4 | 1.5/16 | 1 | -2021 | 1.1/2 | 38 | | | | | | | T4240-2021 | 3.54 | 90 | 5.47 | 139 | 2.83 | 72 | |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | 2 | 50 | | | | | | | T4240-2026 | 3.94 | 100 | 5.87 | 149 | 3.19 | 81 | |
| 38 | 1.1/2 | 1.7/8 | 1.1/2 | -2430 | 2.1/4 | 57 | | | | | | | T4240-2430 | 4.17 | 106 | 6.10 | 155 | 4.17 | 106 | |
| 51 | 2 | 2.1/2 | 2 | -3240 | 2.7/8 | 73 | | | | | | | T4240-3240 | 5.83 | 148 | 7.91 | 201 | 5.20 | 132 | |

| | |
|---------------------|----------------------|
| JSEAL™ / JIC | T4280 - T4281 |
|---------------------|----------------------|

CONVEX SEAT



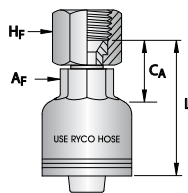
| DN | HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | | JSEAL™ / JIC FEMALE 90° LONG BEND | | | | | | |
|----|-----------|-----------|-----------|-----------|------------|----|-----------------------------------|------|------|------|------|------|----|
| | | | | | inch | mm | inch | mm | inch | mm | inch | mm | |
| 8 | 5/16 | 9/16 | 3/8 | -0509 | 11/16 | | T4280-0509 | 2.05 | 52 | 3.03 | 77 | 2.17 | 55 |
| | | | | | 3/4 | 19 | | | | | | | |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 11/16 | | T4280-0609 | 2.05 | 52 | 2.99 | 76 | 2.17 | 55 |
| | | | | | 3/4 | 19 | | | | | | | |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 7/8 | 22 | T4280-0612 | 2.05 | 52 | 2.99 | 76 | 2.52 | 64 |

NOTE: Hose Compatibility for the T4000 series can be found on page 235.

T4000 SERIES ONE-PIECE CRIMP COUPLINGS

JIS - BSP T4122

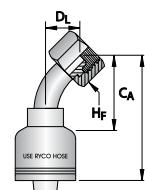
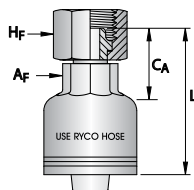
**JAPANESE INDUSTRIAL
STANDARD (JIS)
BSPP THREAD FORM
60° CONCAVE SEAT**



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | BSPP FEMALE 60° CONCAVE (JIS) | | | | |
|-----------|------|-----------|-----------|------------|----|------------|----|-------------------------------|------|----|------|----|
| DN | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | | 12 | 3/4 | 19 | T4122-0404 | 0.79 | 20 | 1.77 | 45 |
| 10 | 3/8 | 3/8 | -0606 | 5/8 | 16 | 7/8 | 22 | T4122-0606 | 0.98 | 25 | 1.97 | 50 |
| 10 | 3/8 | 1/2 | -0608 | 5/8 | 16 | 1.1/16 | 27 | T4122-0608 | 1.06 | 27 | 2.05 | 52 |
| 12 | 1/2 | 1/2 | -0808 | 3/4 | 19 | 1.1/16 | 27 | T4122-0808 | 0.98 | 25 | 1.97 | 50 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | | 36 | T4122-1212 | 1.22 | 31 | 2.44 | 62 |
| 25 | 1 | 1 | -1616 | 1.1/4 | 32 | 1.5/8 | 41 | T4122-1616 | 1.38 | 35 | 2.72 | 69 |

METRIC - DKL T4600 T4660

**DKL
METRIC (LIGHT)
RYCO DKL FEMALE SWIVELS
UP TO M26 SIZE HAVE MULTISEAL DKL 24° AND
DKM 60° CONE. M30 AND OVER HAVE DKL 24°
CONE ONLY.**



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | DKL FEMALE 24°/60° CONE | | | | DKL FEMALE 24°/60° CONE 45° TUBE BEND | | | | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|------------|----|-------------------------|------|----|------|---------------------------------------|-------------------|------|----|------|-----|------|----|
| DN | inch | mm | mm | | Af-SPANNER | | Hf-SPANNER | | PART NO | CA | | L | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 10 | 3/8 | 16x1,5 | 10 | -0616 | 5/8 | 16 | 3/4 | 19 | T4600-0616 | 1.14 | 29 | 2.13 | 54 | T4660-0616 | 1.77 | 45 | 2.76 | 70 | 0.79 | 20 |
| 10 | 3/8 | 18x1,5 | 12 | -0618 | 5/8 | 16 | 7/8 | 22 | T4600-0618 | 1.18 | 30 | 2.17 | 55 | T4660-0618 | 1.77 | 45 | 2.76 | 70 | 0.79 | 20 |
| 10 | 3/8 | 22x1,5 | 15 | -0622 | 5/8 | 16 | 1.1/16 | 27 | T4600-0622 | 1.26 | 32 | 2.24 | 57 | T4660-0622 | 1.81 | 46 | 2.80 | 71 | 0.83 | 21 |
| 19 | 3/4 | 30x2,0 | 22 | -1230 | 1.1/16 | 27 | | 36 | T4600-1230 | 1.50 | 38 | 2.72 | 69 | T4660-1230 | 2.87 | 73 | 4.09 | 104 | 1.26 | 32 |

NOTE: Hose Compatibility for the **T4000** series can be found on page 235.

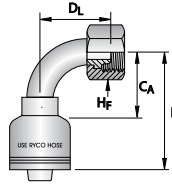
COUPLINGS

T4000 SERIES ONE-PIECE CRIMP COUPLINGS

METRIC - DKL

T4670

DKL
METRIC (LIGHT)
RYCO DKL FEMALE SWIVELS
UP TO M26 SIZE HAVE MULTISEAL DKL
24° AND DKM 60° CONE. M30 AND OVER
HAVE DKL 24° CONE ONLY.

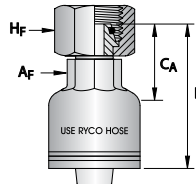


| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | | DKL FEMALE 24°/60° CONE 90° TUBE BEND | | | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|---|----------------|----|------|----|----------------|----|
| DN | inch | mm | mm | | HF-SPANNER | | PART NO | C _A | | L | | D _L | |
| | | | | | inch | mm | | inch | mm | inch | mm | inch | mm |
| 10 | 3/8 | 16x1,5 | 10 | -0616 | 3/4 | 19 | T4670-0616 | 1.38 | 35 | 2.36 | 60 | 1.38 | 35 |
| 10 | 3/8 | 18x1,5 | 12 | -0618 | 7/8 | 22 | T4670-0618 | 1.38 | 35 | 2.36 | 60 | 1.38 | 35 |
| 10 | 3/8 | 22x1,5 | 15 | -0622 | 1.1/16 | 27 | T4670-0622 | 1.38 | 35 | 2.36 | 60 | 1.46 | 37 |
| 19 | 3/4 | 30x2,0 | 22 | -1230 | | 36 | T4670-1230 | 2.32 | 59 | 3.54 | 90 | 2.52 | 64 |

METRIC - DKOL

T4501

DKOL
24° CONE



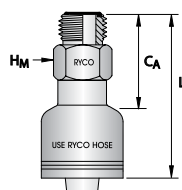
| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP A _F | FEMALE HEX | | DKOL FEMALE 24° CONE | | | | | |
|-----------|------|-----------|-----------|-----------|-------------------------|------------|-------------------------|-------------------------|-------------------|----------------|----|------|----|
| DN | inch | mm | mm | | A _F -SPANNER | | H _F -SPANNER | | PART NO | C _A | | L | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 12 | 1/2 | 22x1,5 | 15 | -0822 | 3/4 | 19 | 1.1/16 | 27 | T4501-0822 | 1.26 | 32 | 2.24 | 57 |
| 16 | 5/8 | 18x1,5 | 12 | -1018 | 7/8 | 22 | 7/8 | 22 | T4501-1018 | 2.68 | 68 | 3.90 | 99 |
| 16 | 5/8 | 30x2,0 | 22 | -1030 | 7/8 | 22 | | 36 | T4501-1030 | 1.42 | 36 | 2.64 | 67 |

NOTE: Hose Compatibility for the **T4000** series can be found on page 235.

T4000 SERIES ONE-PIECE CRIMP COUPLINGS

ORFS T4840

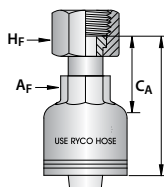
O RING
FACE SEAL



| DN | HOSE SIZE | | THRSD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | | PART NO | ORFS MALE | | | |
|----|-----------|---------|------------|-----------|-----------|----------|----|-------------------|-----------|----|------|-----|
| | inch | inch | inch | inch | inch | inch | mm | | CA | L | | |
| 6 | 1/4 | 9/16 | 1/4 | -0409 | 5/8 | 16 | | T4840-0409 | 1.22 | 31 | 2.24 | 57 |
| 6 | 1/4 | 11/16 | 3/8 | -0411 | 3/4 | 19 | | T4840-0411 | 1.30 | 33 | 2.28 | 58 |
| 8 | 5/16 | 13/16 | 1/2 | -0513 | 7/8 | 22 | | T4840-0513 | 1.38 | 35 | 2.40 | 61 |
| 10 | 3/8 | 11/16 | 3/8 | -0611 | 3/4 | 19 | | T4840-0611 | 1.34 | 34 | 2.32 | 59 |
| 10 | 3/8 | 13/16 | 1/2 | -0613 | 7/8 | 22 | | T4840-0613 | 1.46 | 37 | 2.44 | 62 |
| 12 | 1/2 | 13/16 | 1/2 | -0813 | 7/8 | 22 | | T4840-0813 | 1.50 | 38 | 2.48 | 63 |
| 16 | 5/8 | 1 | 5/8 | -1016 | 1.1/16 | 27 | | T4840-1016 | 1.57 | 40 | 2.80 | 71 |
| 19 | 3/4 | 1.3/16 | 3/4 | -1219 | 1.1/4 | 32 | | T4840-1219 | 1.85 | 47 | 3.07 | 78 |
| 19 | 3/4 | 1.7/16 | 1 | -1223 | 1.1/2 | 38 | | T4840-1223 | 2.05 | 52 | 3.23 | 82 |
| 25 | 1 | 1.7/16 | 1 | -1623 | 1.1/2 | 38 | | T4840-1623 | 2.01 | 51 | 3.35 | 85 |
| 28 | 1.1/8 | 1.3/16 | 3/4 | -1819 | 1.3/8 | | | T4840-1819 | 1.26 | 32 | 2.60 | 66 |
| 31 | 1.1/4 | 1.11/16 | 1.1/4 | -2027 | 2 | 50 | | T4840-2027 | 2.28 | 58 | 4.21 | 107 |

ORFS T4800 - T4801

O RING
FACE SEAL



| DN | HOSE SIZE | | THRSD SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | PART NO | ORFS FEMALE | | |
|----|-----------|---------|------------|-----------|------------|-------|------------|-------------------|---------|-------------|------|----|
| | inch | inch | inch | inch | inch | mm | inch | mm | | CA | L | |
| 6 | 1/4 | 9/16 | -0409 | 1/2 | 12 | 11/16 | | T4800-0409 | 1.14 | 29 | 2.17 | 55 |
| | | | | | | 17 | | T4801-0409 | | | | |
| 6 | 1/4 | 11/16 | -0411 | 1/2 | 12 | 7/8 | 22 | T4800-0411 | 1.22 | 31 | 2.20 | 56 |
| | | | | | | 22 | | T4801-0411 | | | | |
| 10 | 3/8 | 11/16 | -0611 | 5/8 | 16 | 7/8 | 22 | T4800-0611 | 1.26 | 32 | 2.24 | 57 |
| 10 | 3/8 | 13/16 | -0613 | 5/8 | 16 | 15/16 | 24 | T4800-0613 | 1.38 | 35 | 2.36 | 60 |
| 12 | 1/2 | 13/16 | -0813 | 3/4 | 19 | 15/16 | 24 | T4800-0813 | 1.42 | 36 | 2.40 | 61 |
| 19 | 3/4 | 1.3/16 | -1219 | 1.1/16 | 27 | 1.3/8 | | T4800-1219 | 1.65 | 42 | 2.87 | 73 |
| | | | | | | | 36 | | | | | |
| 19 | 3/4 | 1.7/16 | -1223 | 1.1/16 | 27 | 1.5/8 | 41 | T4800-1223 | 1.65 | 42 | 2.83 | 72 |
| 25 | 1 | 1.3/16 | -1619 | 1.1/4 | 32 | 1.3/8 | | T4800-1619 | 1.61 | 41 | 2.95 | 75 |
| | | | | | | | 36 | | | | | |
| 25 | 1 | 1.7/16 | -1623 | 1.1/4 | 32 | 1.5/8 | 41 | T4800-1623 | 1.61 | 41 | 2.95 | 75 |
| 31 | 1.1/4 | 1.11/16 | -2027 | 1.5/8 | 41 | 2 | 50 | T4800-2027 | 1.89 | 48 | 3.82 | 97 |

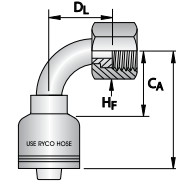
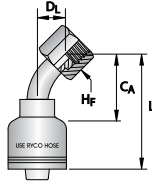
NOTE: Hose Compatibility for the T4000 series can be found on page 235.

COUPLINGS

T4000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-------------|----------------------|----------------------|
| ORFS | T4810 - T4811 | T4820 - T4821 |
|-------------|----------------------|----------------------|

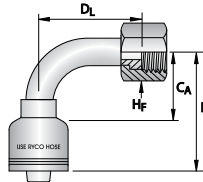
O RING
FACE SEAL



| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | | ORFS FEMALE 45° TUBE BEND | | | | | | ORFS FEMALE 90° MEDIUM BEND | | | | | | | |
|-----------|-------|-----------|-----------|------------|----|---------------------------|------|-----|------|-----|------|-----------------------------|-------------------|------|-----|------|-----|------|-----|
| DN | inch | inch | | inch | mm | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 9/16 | -0409 | 11/16 | | T4810-0409 | 1.54 | 39 | 2.52 | 64 | 0.71 | 18 | T4820-0409 | 1.30 | 33 | 2.28 | 58 | 1.26 | 32 |
| | | | | | 17 | T4811-0409 | | | | | | | T4821-0409 | | | | | | |
| 6 | 1/4 | 11/16 | -0411 | 7/8 | 22 | | | | | | | | T4820-0411 | 1.30 | 33 | 2.28 | 58 | 1.50 | 38 |
| 10 | 3/8 | 11/16 | -0611 | 7/8 | 22 | T4810-0611 | 1.77 | 45 | 2.72 | 69 | 0.79 | 20 | T4820-0611 | 1.38 | 35 | 2.36 | 60 | 1.50 | 38 |
| 10 | 3/8 | 13/16 | -0613 | 15/16 | 24 | T4810-0613 | 1.57 | 40 | 2.56 | 65 | 0.67 | 17 | T4820-0613 | 1.50 | 38 | 2.48 | 63 | 1.34 | 34 |
| 12 | 1/2 | 13/16 | -0813 | 15/16 | 24 | T4810-0813 | 1.93 | 49 | 2.91 | 74 | 0.75 | 19 | T4820-0813 | 1.61 | 41 | 2.60 | 66 | 1.61 | 41 |
| 16 | 5/8 | 1 | -1016 | 1.1/8 | | T4810-1016 | 2.32 | 59 | 3.58 | 91 | 0.79 | 20 | T4821-1016 | | | | | | |
| | | | | | 30 | T4811-1016 | | | | | | | T4821-1016 | | | | | | |
| 19 | 3/4 | 1.3/16 | -1219 | 1.3/8 | | T4810-1219 | 3.11 | 79 | 4.29 | 109 | 1.14 | 29 | T4820-1219 | 2.32 | 59 | 3.54 | 90 | 2.32 | 59 |
| | | | | | 36 | T4811-1219 | | | | | | | T4821-1219 | | | | | | |
| 25 | 1 | 1.3/16 | -1619 | 1.3/8 | | | | | | | | | T4820-1619 | 2.72 | 69 | 4.06 | 103 | 2.32 | 59 |
| 25 | 1 | 1.7/16 | -1623 | 1.5/8 | 41 | T4810-1623 | 3.39 | 86 | 4.72 | 120 | 1.34 | 34 | T4820-1623 | 2.72 | 69 | 4.06 | 103 | 2.80 | 71 |
| 31 | 1.1/4 | 1.11/16 | -2027 | 2 | 50 | T4810-2027 | 4.02 | 102 | 5.94 | 151 | 1.77 | 45 | T4820-2027 | 3.94 | 100 | 5.87 | 149 | 3.54 | 90 |
| 38 | 1.1/2 | 2 | -2432 | 2.1/4 | 57 | | | | | | | | T4820-2432 | 4.17 | 106 | 6.10 | 155 | 4.21 | 107 |

| | |
|-------------|--------------|
| ORFS | T4830 |
|-------------|--------------|

O RING
FACE SEAL



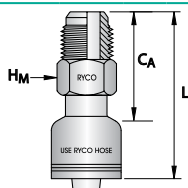
| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | | ORFS FEMALE 90° LONG BEND | | | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|---------------------------|------|----|------|-----|------|-----|
| DN | inch | inch | inch | | inch | mm | PART NO | CA | | L | | DL | |
| | | | | | | | | inch | mm | inch | mm | inch | mm |
| 25 | 1 | 1.7/16 | 1 | -1623 | 1.5/8 | 41 | T4830-1623 | 2.91 | 74 | 4.25 | 108 | 4.45 | 113 |

NOTE: Hose Compatibility for the **T4000** series can be found on page 235.

T4000 SERIES ONE-PIECE CRIMP COUPLINGS

SAE T4530

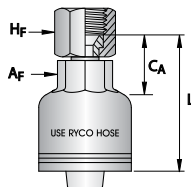
45° FLARE



| HOSE SIZE | | | | | THRD SIZE | | TUBE SIZE | | DASH SIZE | | MALE HEX | | SAE MALE | | | |
|-----------|------|------|------|-------|-----------|----|------------|------|-----------|------|----------|----|----------|----|--|--|
| DN | inch | inch | inch | inch | inch | mm | HM-SPANNER | | PART NO | | CA | | L | | | |
| inch | inch | inch | inch | inch | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | | |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 5/8 | 16 | T4530-0510 | 1.34 | 34 | 2.32 | 59 | | | | | |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 5/8 | 16 | T4530-0610 | 1.46 | 37 | 2.44 | 62 | | | | | |

SAE T4540

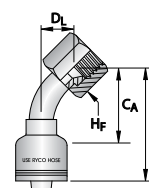
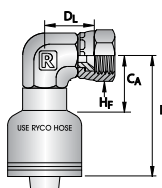
45° FLARE



| HOSE SIZE | | | | | THRD SIZE | | TUBE SIZE | | DASH SIZE | | BACK UP Af | | FEMALE HEX | | SAE FEMALE | | | |
|-----------|------|------|------|-------|-----------|----|------------|----|------------|------|------------|------|------------|----|------------|----|--|--|
| DN | inch | inch | inch | inch | inch | mm | Af-SPANNER | | Hf-SPANNER | | PART NO | | CA | | L | | | |
| inch | inch | inch | inch | inch | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | | |
| 6 | 1/4 | 5/8 | 3/8 | -0410 | | 12 | 3/4 | 19 | T4540-0410 | 1.14 | 29 | 2.17 | 55 | | | | | |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | | 14 | 3/4 | 19 | T4540-0510 | 1.14 | 29 | 2.17 | 55 | | | | | |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 5/8 | 16 | 3/4 | 19 | T4540-0610 | 1.22 | 31 | 2.20 | 56 | | | | | |

SAE T4570 T4550

45° FLARE



| HOSE SIZE | | | | | THRD SIZE | | TUBE SIZE | | DASH SIZE | | FEMALE HEX | | SAE FEMALE 90° ELBOW | | | | SAE FEMALE 45° TUBE BEND | | | | | | | |
|-----------|------|------|------|-------|-----------|----|------------|------|------------|------|------------|------|----------------------|------------|------|----|--------------------------|----|------|----|------|----|------|----|
| DN | inch | inch | inch | inch | inch | mm | Hf-SPANNER | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | |
| inch | inch | inch | inch | inch | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 3/4 | 19 | | | T4550-0510 | 1.54 | 39 | 2.52 | 64 | 0.59 | 15 | | | | | | | | | |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 3/4 | 19 | T4570-0610 | 1.22 | 31 | 2.20 | 56 | 0.91 | 23 | T4550-0610 | 1.54 | 39 | 2.52 | 64 | 0.67 | 17 | | | | |

NOTE: Hose Compatibility for the T4000 series can be found on page 235.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

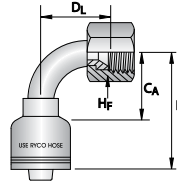
TECHNICAL

COUPLINGS

T4000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|-----|-------|
| SAE | T4560 |
|-----|-------|

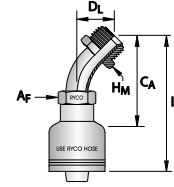
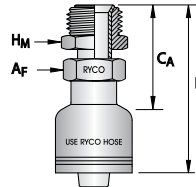
45° FLARE



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | SAE FEMALE 90° TUBE BEND | | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|--------------------------|----|------------|------|----|------|----|------|----|--|
| DN | inch | inch | inch | | HF-SPANNER | | PART NO | CA | | L | | DL | | |
| | | | | | inch | mm | | inch | mm | inch | mm | inch | mm | |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 3/4 | 19 | T4560-0610 | 1.38 | 35 | 2.36 | 60 | 1.26 | 32 | |

| | | |
|-----|-------|-------|
| SAE | T4740 | T4750 |
|-----|-------|-------|

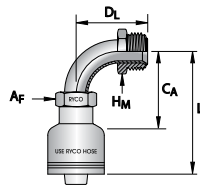
INVERTED MALE FLARE



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | MALE HEX | SAE INVERTED MALE FLARE | | | | SAE INVERTED MALE FLARE 45° TUBE BEND | | | | | | | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|----------|-------------------------|-------|------------|------------|---------------------------------------|----|------|----|------------|------|---------|------|------------|------|------|------|------|------|----|
| DN | inch | inch | inch | | | AF-SPANNER | | HM-SPANNER | | PART NO | | CA | | L | | PART NO | | CA | | L | | DL | | |
| | | | | | | inch | mm | inch | mm | | | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm | |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 5/8 | 16 | 5/8 | 16 | | | | | | | | | | T4750-0510 | 3.15 | 80 | 4.13 | 105 | 0.91 | 23 |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 5/8 | 16 | 5/8 | 16 | T4740-0610 | 1.61 | 41 | 2.60 | 66 | T4750-0610 | 3.19 | 81 | 4.17 | 106 | 0.91 | 23 | | | | |
| 10 | 3/8 | 11/16 | 7/16 | -0611 | 5/8 | 16 | 11/16 | | T4740-0611 | 2.05 | 52 | 3.03 | 77 | | | | | | | | | | | |

| | |
|-----|-------|
| SAE | T4770 |
|-----|-------|

INVERTED MALE FLARE



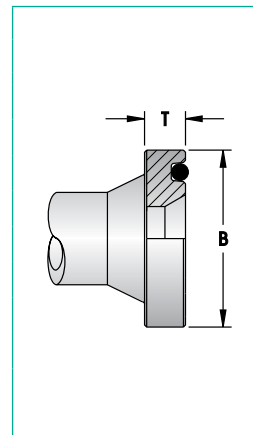
| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | MALE HEX | SAE INVERTED MALE FLARE 90° TUBE BEND | | | | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|----------|---------------------------------------|-----|------------|------------|---------|----|------|----|------|----|------|----|
| DN | inch | inch | inch | | | AF-SPANNER | | HM-SPANNER | | PART NO | | CA | | L | | DL | |
| | | | | | | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 5/8 | 16 | 5/8 | 16 | T4770-0510 | 2.48 | 63 | 3.50 | 89 | 1.97 | 50 | | |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 5/8 | 16 | 5/8 | 16 | T4770-0610 | 2.48 | 63 | 3.46 | 88 | 1.97 | 50 | | |

NOTE: Hose Compatibility for the T4000 series can be found on page 235.

T4000 SERIES ONE-PIECE CRIMP COUPLINGS

DIMENSIONS FOR SAE CODE 61 AND CODE 62 FLANGES, AND RYCO CODE 62C FLANGES

| NOMINAL FLANGE | CODE 61 | | | | CODE 62 | | | | CODE 62C | | | |
|----------------|---------|------|------|-------|---------|------|-------|-------|----------|------|-------|-------|
| | B | | T | | B | | T | | B | | T | |
| inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch |
| 1/2 | 30,2 | 1.19 | 6,73 | 0.265 | 31,8 | 1.25 | 7,75 | 0.305 | | | | |
| 5/8 | 34,0 | 1.34 | 6,73 | 0.265 | | | | | | | | |
| 3/4 | 38,1 | 1.50 | 6,73 | 0.265 | 41,3 | 1.63 | 8,76 | 0.345 | 41,3 | 1.63 | 14,20 | 0.559 |
| 1 | 44,5 | 1.75 | 8,00 | 0.315 | 47,6 | 1.88 | 9,53 | 0.375 | 47,6 | 1.88 | 14,20 | 0.559 |
| 1.1/4 | 50,8 | 2.00 | 8,00 | 0.315 | 54,0 | 2.12 | 10,29 | 0.405 | 54,0 | 2.12 | 14,20 | 0.559 |
| 1.1/2 | 60,3 | 2.38 | 8,00 | 0.315 | 63,5 | 2.50 | 12,57 | 0.495 | 63,5 | 2.50 | 14,20 | 0.559 |
| 2 | 71,4 | 2.81 | 9,53 | 0.375 | 79,4 | 3.13 | 12,57 | 0.495 | 79,4 | 3.13 | 14,20 | 0.559 |
| 2.1/2 | 84,1 | 3.31 | 9,53 | 0.375 | | | | | | | | |
| 3 | 101,6 | 4.00 | 9,53 | 0.375 | | | | | | | | |



INTRODUCTION

HOSE

COUPLINGS

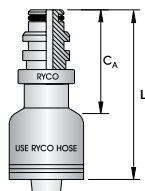
ADAPTORS

TECHNICAL

NOTE: RYCO Code 62C fittings conform to the flange OD and bolt hole patterns of SAE Code 62 but require special flange clamps. RYCO Code 62C flange heads are thicker than SAE Code 62 and measure T = 14,2 mm (0.559 inch) in all sizes.

RYCOLOK MALE

T4870



| HOSE SIZE | | TUBE SIZE | DASH SIZE | RYCOLOK MALE | | | | |
|-----------|------|-----------|-----------|-------------------|------|----|------|-----|
| DN | inch | inch | | PART NO | CA | | L | |
| | | | | | inch | mm | inch | mm |
| 51 | 2 | 50 | -3250 | T4870-3250 | 2.28 | 58 | 4.33 | 110 |

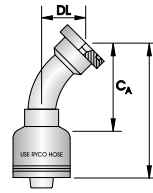
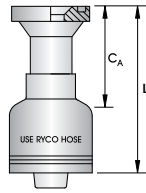
NOTE: Hose Compatibility for the **T4000** series can be found on page 235.

COUPLINGS

T4000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-------------------|--------------|--------------|
| SAE FLANGE | T4130 | T4150 |
|-------------------|--------------|--------------|

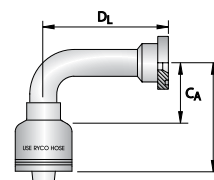
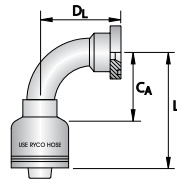
**RYCO
CODE 61
CLAMPS - SEE PAGES
442 & 443
O RING NOT SUPPLIED**



| HOSE SIZE | | NOM. FLANGE SIZE | DASH SIZE | CODE 61 FLANGE | | | | CODE 61 FLANGE 45° TUBE BEND | | | | | | | |
|-----------|-------|------------------|-----------|-------------------|------|----|------|------------------------------|-------------------|------|-----|------|-----|------|----|
| DN | inch | inch | | PART NO | CA | | L | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | p2501212 | 1.81 | 46 | 3.03 | 77 | T4150-1212 | 2.56 | 65 | 3.78 | 96 | 1.02 | 26 |
| 19 | 3/4 | 1 | -1216 | T4130-1216 | 1.97 | 50 | 3.19 | 81 | | | | | | | |
| 25 | 1 | 1 | -1616 | T4130-1616 | 2.05 | 52 | 3.35 | 85 | T4150-1616 | 3.19 | 81 | 4.53 | 115 | 1.18 | 30 |
| 25 | 1 | 1.1/4 | -1620 | T4130-1620 | 2.24 | 57 | 3.54 | 90 | | | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T4130-2020 | 2.32 | 59 | 4.25 | 108 | T4150-2020 | 3.94 | 100 | 5.87 | 149 | 1.42 | 36 |
| 31 | 1.1/4 | 1.1/2 | -2024 | T4130-2024 | 3.35 | 85 | 5.28 | 134 | | | | | | | |
| 38 | 1.1/2 | 1.1/4 | -2420 | | | | | | T4150-2420 | 4.06 | 103 | 5.98 | 152 | 1.50 | 38 |
| 38 | 1.1/2 | 1.1/2 | -2424 | T4130-2424 | 3.35 | 85 | 5.31 | 135 | T4150-2424 | 4.33 | 110 | 6.26 | 159 | 1.65 | 42 |
| 38 | 1.1/2 | 2 | -2432 | T4130-2432 | 3.74 | 95 | 5.71 | 145 | T4150-2432 | 4.72 | 120 | 6.65 | 169 | 1.85 | 47 |
| 51 | 2 | 2 | -3232 | T4130-3232 | 3.78 | 96 | 5.87 | 149 | T4150-3232 | 5.91 | 150 | 7.99 | 203 | 2.28 | 58 |
| 63 | 2.1/2 | 2.1/2 | -4040 | T4130-4040 | 3.11 | 79 | 5.75 | 146 | | | | | | | |

| | | |
|-------------------|--------------|--------------|
| SAE FLANGE | T4170 | T4173 |
|-------------------|--------------|--------------|

**RYCO
CODE 61
CLAMPS - SEE PAGES
442 & 443
O RING NOT SUPPLIED**



| HOSE SIZE | | NOM. FLANGE SIZE | DASH SIZE | CODE 61 FLANGE 90° TUBE BEND | | | | CODE 61 FLANGE 90° LONG BEND | | | | | | | | | |
|-----------|-------|------------------|-----------|------------------------------|------|-----|------|------------------------------|------|-----|-------------------|------|----|------|-----|------|----|
| DN | inch | inch | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | T4170-1212 | 2.17 | 55 | 3.39 | 86 | 2.13 | 54 | | | | | | | |
| 25 | 1 | 1 | -1616 | T4170-1616 | 2.83 | 72 | 4.17 | 106 | 2.68 | 68 | | | | | | | |
| 25 | 1 | 1.1/4 | -1620 | | | | | | | | T4173-1620 | 2.83 | 72 | 4.17 | 106 | 3.66 | 93 |
| 31 | 1.1/4 | 1.1/4 | -2020 | T4170-2020 | 3.94 | 100 | 5.87 | 149 | 3.07 | 78 | | | | | | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | T4170-2424 | 4.09 | 104 | 6.02 | 153 | 3.66 | 93 | | | | | | | |
| 38 | 1.1/2 | 2 | -2432 | T4170-2432 | 3.82 | 97 | 5.75 | 146 | 3.90 | 99 | | | | | | | |
| 51 | 2 | 2 | -3232 | T4170-3232 | 5.39 | 137 | 7.48 | 190 | 5.12 | 130 | | | | | | | |
| 51 | 2 | 2.1/2 | -3240 | T4170-3240 | 5.55 | 141 | 7.64 | 194 | 5.28 | 134 | | | | | | | |

NOTE: Hose Compatibility for the **T4000** series can be found on page 235.

T4000 SERIES ONE-PIECE CRIMP COUPLINGS

INTRODUCTION

HOSE

COUPLINGS

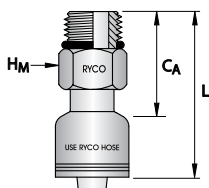
ADAPTORS

TECHNICAL

UN O RING MALE

T4200

O RING SUPPLIED

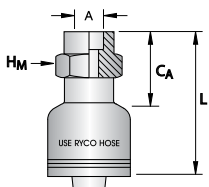


| HOSE SIZE | | TUBE SIZE | DASH SIZE | MALE HEX | | UN O RING MALE | | | | |
|-----------|------|-----------|-----------|------------|----|-------------------|------|----|------|----|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 7/16 | -0407 | 9/16 | | T4200-0407 | 1.06 | 27 | 2.05 | 52 |
| 25 | 1 | 1.5/16 | -1621 | 1.1/2 | 38 | T4200-1621 | 1.73 | 44 | 3.03 | 77 |

SALVAGE

T4230

TUBE WELD

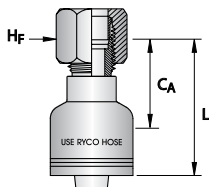


| HOSE SIZE | | A | DASH SIZE | MALE HEX | | SALVAGE (LIFESAVER) | | | | |
|-----------|-------|-------|-----------|------------|----|---------------------|------|----|------|----|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 8 | 5/16 | 3/8 | -0506 | 5/8 | 16 | T4230-0506 | 0.98 | 25 | 1.97 | 50 |
| 10 | 3/8 | 3/8 | -0606 | 5/8 | 16 | T4230-0606 | 1.02 | 26 | 2.01 | 51 |
| 12 | 1/2 | 1/2 | -0808 | 3/4 | 19 | T4230-0808 | 1.06 | 27 | 2.05 | 52 |
| 16 | 5/8 | 3/4 | -1012 | 1.1/16 | 27 | T4230-1012 | 1.02 | 26 | 2.28 | 58 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | T4230-1212 | 1.18 | 30 | 2.40 | 61 |
| 25 | 1 | 1 | -1616 | 1.3/8 | | T4230-1616 | 1.38 | 35 | 2.68 | 68 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.5/8 | 41 | T4230-2020 | 1.57 | 40 | 3.54 | 90 |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2 | 50 | T4230-2424 | 1.34 | 34 | 3.31 | 84 |
| 51 | 2 | 2 | -3232 | 2,1/2 | | T4230-3232 | 1.61 | 41 | 3.70 | 94 |

TUBE BITE

T4850

COMPLETE WITH NUT AND FLARELESS OLIVE



| HOSE SIZE | | TUBE SIZE | DASH SIZE | FEMALE HEX | | TUBE BITE | | | | |
|-----------|------|-----------|-----------|------------|----|-------------------|------|----|------|----|
| DN | inch | inch | | HF-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 10 | 3/8 | 9/16 | -0606 | 11/16 | | T4850-0606 | 1.30 | 33 | 2.28 | 58 |

NOTE: Hose Compatibility for the **T4000** series can be found on page 235.

COUPLINGS

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

HOSE COMPATIBILITY FOR T6000 SERIES

NON-SKIVE

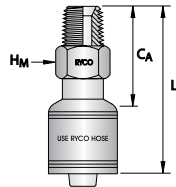
For RYCO Hose Series H5000 (sizes -24 to -32).

For RYCO Hose Series H6000 (sizes -12 to -32).

BSPT - MALE

T6010

60° SEAT

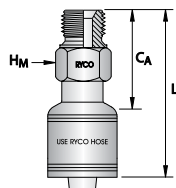


| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | | BSPT MALE | | | | |
|-----------|-------|-----------|-----------|------------|----|-------------------|------|----|------|-----|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | T6010-1212 | 1.89 | 48 | 3.94 | 100 |
| 25 | 1 | 1 | -1616 | | 36 | T6010-1616 | 2.09 | 53 | 4.65 | 118 |
| 31 | 1.1/4 | 1.1/4 | -2020 | | 46 | T6010-2020 | 2.32 | 59 | 5.00 | 127 |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2 | 50 | T6010-2424 | 2.20 | 56 | 5.67 | 144 |
| 51 | 2 | 2 | -3232 | | 65 | T6010-3232 | 2.80 | 71 | 6.97 | 177 |

BSPP - MALE

T6013

60° SEAT



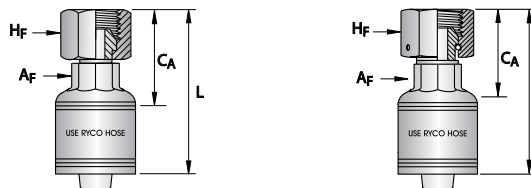
| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | | BSPP MALE | | | | |
|-----------|-------|-----------|-----------|------------|----|-------------------|------|----|------|-----|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | T6013-1212 | 1.85 | 47 | 3.90 | 99 |
| 25 | 1 | 1 | -1616 | 1.5/8 | 41 | T6013-1616 | 2.01 | 51 | 4.61 | 117 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 2 | 50 | T6013-2020 | 2.36 | 60 | 5.04 | 128 |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2.3/16 | 55 | T6013-2424 | 2.20 | 56 | 5.63 | 143 |
| 51 | 2 | 2 | -3232 | 2.3/4 | 70 | T6013-3232 | 2.83 | 72 | 7.01 | 178 |

NOTE: Hose Compatibility for the **T6000** series can be found on page 252

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-------------|--------------|--------------|
| BSPP | T6020 | T6022 |
|-------------|--------------|--------------|

60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | BSPP FEMALE | | | | BSPP FEMALE HEAVY | | | | | | |
|-----------|-------|-----------|-----------|------------|----|------------|----|-------------------|------|------|------|-------------------|-------------------|------|------|------|------|----|
| DN | inch | inch | | inch | mm | inch | mm | PART NO | | CA | L | | PART NO | | CA | L | | |
| | | | | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 1.1/4 | 32 | T6020-1212 | 1.22 | 31 | 3.27 | 83 | T6022-1212 | 1.22 | 31 | 3.27 | 83 | |
| 25 | 1 | 1 | -1616 | 1.1/4 | 32 | 1.1/2 | 38 | T6020-1616 | 1.50 | 38 | 4.09 | 104 | T6022-1616 | 1.50 | 38 | 4.09 | 104 | |
| 31 | 1.1/4 | 1 | -2016 | 1.11/16 | | 1.1/2 | 38 | T6020-2016 | 1.69 | 43 | 4.37 | 111 | | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.11/16 | | 2 | 50 | T6020-2020 | 1.73 | 44 | 4.41 | 112 | T6022-2020 | 1.73 | 44 | 4.41 | 112 | |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2.3/16 | 55 | 2.3/16 | 55 | T6020-2424 | 1.89 | 48 | 5.31 | 135 | | | | | | |
| 51 | 2 | 2 | -3232 | 2.5/8 | | 2.3/4 | 70 | T6020-3232 | 2.36 | 60 | 6.50 | 165 | | | | | | |

| | | |
|-------------|--------------|--------------|
| BSPP | T6270 | T6260 |
|-------------|--------------|--------------|

60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | | BSPP FEMALE 45° BEND | | | | | BSPP FEMALE 90° BEND | | | | | | | | | | |
|-----------|-------|-----------|-----------|------------|----|----------------------|------|------|------|------|----------------------|------|-------------------|---------|-----|------|-----|------|-----|------|----|
| DN | inch | inch | | HF-SPANNER | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | |
| | | | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | T6270-1212 | 2.83 | 72 | 4.88 | 124 | 1.14 | 29 | T6260-1212 | 2.32 | 59 | 4.37 | 111 | 2.28 | 58 | | |
| 25 | 1 | 1 | -1616 | 1.1/2 | 38 | T6270-1616 | 3.62 | 92 | 6.22 | 158 | 1.54 | 39 | T6260-1616 | 2.87 | 73 | 5.47 | 139 | 3.15 | 80 | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | 2 | 50 | T6270-2020 | 4.29 | 109 | 6.97 | 177 | 1.81 | 46 | T6260-2020 | 3.94 | 100 | 6.61 | 168 | 3.58 | 91 | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2.3/16 | 55 | T6270-2424 | 4.69 | 119 | 8.15 | 207 | 2.05 | 52 | T6260-2424 | 4.09 | 104 | 7.56 | 192 | 4.13 | 105 | | |
| 51 | 2 | 2 | -3232 | 2.3/4 | 70 | T6270-3232 | 5.83 | 148 | 9.96 | 253 | 2.56 | 65 | T6260-3232 | 5.31 | 135 | 9.45 | 240 | 5.20 | 132 | | |

NOTE: Hose Compatibility for the **T6000** series can be found on page 252

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

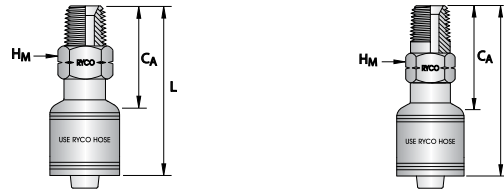
TECHNICAL

COUPLINGS

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|------------|--------------|--------------|
| NPT | T6090 | T6091 |
|------------|--------------|--------------|

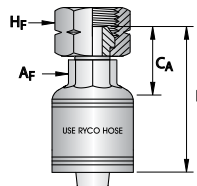
60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | NPT MALE | | | | NPT MALE EXTENDED | | | | | | | | |
|-----------|-------|-----------|-----------|------------|----------|-------------------|------|------|-------------------|------|-------------------|---------|-----|------|-----|------|----|
| DN | inch | inch | | HM-SPANNER | | PART NO | | CA | | L | | PART NO | | CA | | L | |
| | inch | inch | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | T6090-1212 | 1.85 | 47 | 3.90 | 99 | | | | | | | |
| 25 | 1 | 1 | -1616 | 1.3/8 | | T6090-1616 | 2.09 | 53 | 4.65 | 118 | | | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.3/4 | | T6090-2020 | 2.32 | 59 | 5.00 | 127 | | | | | | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2 | 50 | T6090-2424 | 2.20 | 56 | 5.67 | 144 | | | | | | | |
| 51 | 2 | 2 | -3232 | 2.1/2 | | T6090-3232 | 2.80 | 71 | 6.97 | 177 | T6091-3232 | 4.45 | 113 | 8.58 | 218 | | |

| | |
|------------|---------------|
| NPT | T6020N |
|------------|---------------|

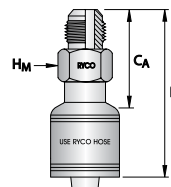
60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP AF | FEMALE HEX | NPSM FEMALE | | | | | | | |
|-----------|-------|-----------|-----------|------------|------------|-------------|----|--------------------|------|------|------|------|----|
| DN | inch | inch | | AF-SPANNER | | HF-SPANNER | | PART NO | | CA | | L | |
| | inch | inch | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 1.1/4 | 32 | T6020N-1212 | 1.22 | 31 | 3.27 | 83 | |
| 25 | 1 | 1 | -1616 | 1.1/4 | 32 | 1.1/2 | 38 | T6020N-1616 | 1.50 | 38 | 4.09 | 104 | |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.1.16 | | 2 | 50 | T6020N-2020 | 1.73 | 44 | 4.41 | 112 | |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2.3/16 | 55 | 2.1/4 | 58 | T6020N-2424 | 1.89 | 48 | 5.31 | 135 | |
| 51 | 2 | 2 | -3232 | 2.5/8 | | 2.3/4 | 70 | T6020N-3232 | 2.36 | 60 | 6.50 | 165 | |

| | |
|-------------------|----------------------|
| JIC - MALE | T6030 - T6031 |
|-------------------|----------------------|

37° FLARE



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | JIC MALE | | | | | | |
|-----------|-------|-----------|-----------|-----------|------------|----------|-------------------|------|------|------|------|----|
| DN | inch | inch | inch | | HM-SPANNER | | PART NO | | CA | | L | |
| | inch | inch | inch | | inch | mm | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/16 | 27 | T6030-1217 | 1.97 | 50 | 4.02 | 102 | |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.3/8 | | T6030-1621 | 2.05 | 52 | 4.61 | 117 | |
| | | | | | | 36 | T6031-1621 | | | | | |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | 1.3/4 | | T6030-2026 | 2.32 | 59 | 5.00 | 127 | |
| 38 | 1.1/2 | 1.7/8 | 1.1/2 | -2430 | 2 | 50 | T6030-2430 | 2.28 | 58 | 5.75 | 146 | |
| 51 | 2 | 2.1/2 | 2 | -3240 | 2.1/2 | | T6030-3240 | 3.11 | 79 | 7.24 | 184 | |

NOTE: Hose Compatibility for the **T6000** series can be found on page 252

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

INTRODUCTION

HOSE

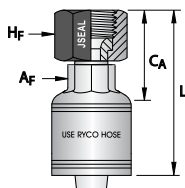
COUPLINGS

ADAPTORS

TECHNICAL

JSEAL™ / JIC T6040

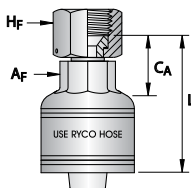
CONVEX SEAT



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | FEMALE HEX | JSEAL™ JIC FEMALE | | | | | | | |
|-----------|-----------|-----------|-----------|------------|------------|-------------------|------------|---------|-------------------|------|------|------|-----|
| DN | inch | inch | inch | inch | mm | Af-SPANNER | Hf-SPANNER | PART NO | Ca | | L | | |
| | | | | | | inch | mm | | inch | mm | inch | mm | |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/16 | 27 | 1.1/4 | 32 | T6040-1217 | 1.22 | 31 | 3.27 | 83 |
| 19 | 3/4 | 1.5/16 | 1 | -1221 | 1.1/16 | 27 | 1.1/2 | 38 | T6040-1221 | 1.34 | 34 | 3.39 | 86 |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.1/4 | 32 | 1.1/2 | 38 | T6040-1621 | 1.38 | 35 | 3.98 | 101 |
| 25 | 1 | 1.5/8 | 1.1/4 | -1626 | 1.1/4 | 32 | 2 | 50 | T6040-1626 | 1.65 | 42 | 4.21 | 107 |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | 1.11/16 | | 2 | 50 | T6040-2026 | 1.65 | 42 | 4.33 | 110 |
| 31 | 1.1/4 | 1.7/8 | 1.1/2 | -2030 | 1.11/16 | | 2.1/4 | 57 | T6040-2030 | 2.01 | 51 | 4.69 | 119 |
| 38 | 1.1/2 | 1.7/8 | 1.1/2 | -2430 | 2.3/16 | 55 | 2.1/4 | 57 | T6040-2430 | 2.13 | 54 | 5.59 | 142 |
| 51 | 2 | 2.1/2 | 2 | -3240 | 2.5/8 | | 2.7/8 | 73 | T6040-3240 | 2.64 | 67 | 6.77 | 172 |

JIC - HEAVY DUTY T6045

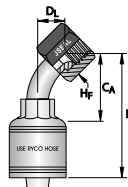
37° FLARE



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | FEMALE HEX | JIC FEMALE HIGH PRESSURE | | | | | | | |
|-----------|-----------|-----------|-----------|------------|------------|--------------------------|------------|---------|-------------------|------|------|------|-----|
| DN | inch | inch | inch | inch | mm | Af-SPANNER | Hf-SPANNER | PART NO | Ca | | L | | |
| | | | | | | inch | mm | | inch | mm | inch | mm | |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.3/8 | | 1.5/8 | 41 | T6045-1621 | 1.38 | 35 | 3.98 | 101 |

JSEAL™ / JIC T6250

CONVEX SEAT



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | JSEAL™ / JIC FEMALE 45° BEND | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|------------------------------|----|-------------------|------|-----|-------|-----|------|----|
| DN | inch | inch | inch | inch | inch | mm | PART NO | Ca | | L | | Df | |
| | | | | | | | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/4 | 32 | T6250-1217 | 2.76 | 70 | 4.80 | 122 | 1.10 | 28 |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.1/2 | 38 | T6250-1621 | 3.31 | 84 | 5.91 | 150 | 1.38 | 35 |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | 2 | 50 | T6250-2026 | 4.02 | 102 | 6.69 | 170 | 1.54 | 39 |
| 38 | 1.1/2 | 1.7/8 | 1.1/2 | -2430 | 2.1/4 | 57 | T6250-2430 | 5.04 | 128 | 8.50 | 216 | 1.97 | 50 |
| 51 | 2 | 2.1/2 | 2 | -3240 | 2.7/8 | 73 | T6250-3240 | 6.46 | 164 | 10.59 | 269 | 2.48 | 63 |

NOTE: Hose Compatibility for the T6000 series can be found on page 252

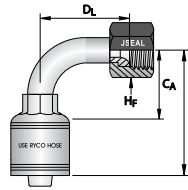
COUPLINGS

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

JSEAL™ / JIC

T6280

CONVEX SEAT

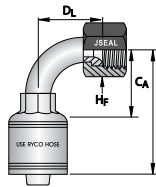


| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | JSEAL™ / JIC FEMALE 90° LONG BEND | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|-----------------------------------|----|-------------------|------|-----|------|-----|------|-----|
| DN | inch | inch | | | HF-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/4 | 32 | T6280-1217 | 2.32 | 59 | 4.37 | 111 | 3.78 | 96 |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.1/2 | 38 | T6280-1621 | 2.95 | 75 | 5.55 | 141 | 4.49 | 114 |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | 2 | 50 | T6280-2026 | 3.94 | 100 | 6.61 | 168 | 5.08 | 129 |

JSEAL™ / JIC

T6240

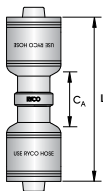
CONVEX SEAT



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | JSEAL™ / JIC FEMALE 90° MEDIUM BEND | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|-------------------------------------|----|-------------------|------|-----|------|-----|------|-----|
| DN | inch | inch | inch | | HF-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/4 | 32 | T6240-1217 | 2.32 | 59 | 4.37 | 111 | 2.24 | 57 |
| 19 | 3/4 | 1.5/16 | 1 | -1221 | 1.1/2 | 38 | T6240-1221 | 2.32 | 59 | 4.37 | 111 | 2.80 | 71 |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.1/2 | 38 | T6240-1621 | 2.87 | 73 | 5.47 | 139 | 2.83 | 72 |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | 2 | 50 | T6240-2026 | 3.94 | 100 | 6.61 | 168 | 3.19 | 81 |
| 38 | 1.1/2 | 1.7/8 | 1.1/2 | -2430 | 2.1/4 | 57 | T6240-2430 | 4.17 | 106 | 7.64 | 194 | 4.17 | 106 |
| 51 | 2 | 2.1/2 | 2 | -3240 | 2.7/8 | 73 | T6240-3240 | 5.83 | 148 | 9.96 | 253 | 5.20 | 132 |

JOINER

T6900



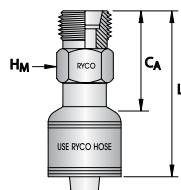
| HOSE SIZE | DASH SIZE | BSPP FEMALE | | | | | |
|-----------|-----------|-------------|-------------------|------|----|------|-----|
| DN | inch | | PART NO | CA | | L | |
| | | | | inch | mm | inch | mm |
| 19 | 3/4 | -1212 | T6900-1212 | 0.98 | 25 | 3.03 | 77 |
| 25 | 1 | -1616 | T6900-1616 | 1.26 | 32 | 3.82 | 97 |
| 31 | 1.1/4 | -2020 | T6900-2020 | 1.57 | 40 | 4.25 | 108 |
| 38 | 1.1/2 | -2424 | T6900-2424 | 1.06 | 27 | 4.53 | 115 |
| 51 | 2 | -3232 | T6900-3232 | 1.42 | 36 | 5.59 | 142 |

NOTE: Hose Compatibility for the T6000 series can be found on page 252

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

METRIC - DKS T6630

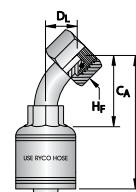
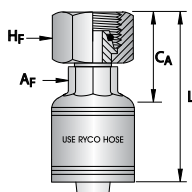
DKS
METRIC (HEAVY)
24° CONE



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | DKS MALE 24° CONE | | | | | | |
|-----------|-----------|-----------|-----------|----------|-------------------|----|-------------------|------|----|------|-----|
| DN | inch | inch | inch | inch | HM-SPANNER | | PART NO | CA | | L | |
| | | | | | inch | mm | | inch | mm | inch | mm |
| 19 | 3/4 | 30 | 20 | -1230 | 1.1/4 | 32 | T6630-1230 | 1.73 | 44 | 3.78 | 96 |
| 19 | 3/4 | 36 | 25 | -1236 | 1.5/8 | 41 | T6630-1236 | 1.89 | 48 | 3.94 | 100 |
| 25 | 1 | 36 | 25 | -1636 | 1.5/8 | 41 | T6630-1636 | 1.89 | 48 | 4.49 | 114 |
| 25 | 1 | 42 | 30 | -1642 | | 46 | T6630-1642 | 2.01 | 51 | 4.61 | 117 |
| 31 | 1.1/4 | 52 | 38 | -2052 | 2.3/16 | 55 | T6630-2052 | 2.32 | 59 | 5.00 | 127 |
| 38 | 1.1/2 | 52 | 38 | -2452 | 2.3/16 | 55 | T6630-2452 | 2.17 | 55 | 5.63 | 143 |

METRIC - DKOS T6711 T6720

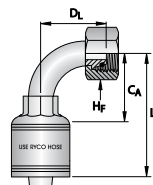
DKOS
METRIC O RING (HEAVY)
24° CONE



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | FEMALE HEX | DKOS FEMALE 24° CONE | | | | DKOS FEMALE 24° CONE/45° BEND | | | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|------------|----------------------|-------|---------|-------------------|-------------------------------|------|------|---------|-------------------|------|------|------|------|------|----|
| DN | inch | inch | inch | inch | inch | AF-SPANNER | | PART NO | CA | | L | | PART NO | CA | | L | | DL | | |
| | | | | | | inch | mm | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm | |
| 19 | 3/4 | 30 | 20 | -1230 | 1.1/16 | 27 | | 36 | T6711-1230 | 1.50 | 38 | 3.54 | 90 | T6720-1230 | 2.99 | 76 | 5.04 | 128 | 1.38 | 35 |
| 19 | 3/4 | 36 | 25 | -1236 | 1.1/16 | 27 | | 46 | T6711-1236 | 1.61 | 41 | 3.66 | 93 | T6720-1236 | 2.99 | 76 | 5.04 | 128 | 1.38 | 35 |
| 25 | 1 | 36 | 25 | -1636 | 1.1/4 | 32 | | 46 | T6711-1636 | 1.81 | 46 | 4.37 | 111 | | | | | | | |
| 25 | 1 | 42 | 30 | -1642 | 1.1/4 | 32 | 2 | 50 | T6711-1642 | 1.85 | 47 | 4.41 | 112 | T6720-1642 | 3.50 | 89 | 6.10 | 155 | 1.46 | 37 |
| 31 | 1.1/4 | 52 | 38 | -2052 | 1.11/16 | | 2.3/8 | 60 | T6711-2052 | 2.24 | 57 | 4.92 | 125 | T6720-2052 | 5.04 | 128 | 7.72 | 196 | 1.89 | 48 |
| 38 | 1.1/2 | 52 | 38 | -2452 | 2.3/16 | 55 | 2.3/8 | 60 | T6711-2452 | 2.32 | 59 | 5.79 | 147 | T6720-2452 | 5.08 | 129 | 8.54 | 217 | 1.89 | 48 |

METRIC - DKOS T6730

DKOS
METRIC O RING (HEAVY)
24° CONE



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | DKOS FEMALE 24° CONE/90° BEND | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|-------------------------------|----|-------------------|------|-----|------|-----|------|----|
| DN | inch | inch | inch | inch | HF-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 30 | 20 | -1230 | | 36 | T6730-1230 | 2.32 | 59 | 4.37 | 111 | 2.68 | 68 |
| 19 | 3/4 | 36 | 25 | -1236 | | 46 | T6730-1236 | 2.32 | 59 | 4.37 | 111 | 2.68 | 68 |
| 25 | 1 | 42 | 30 | -1642 | 2 | 50 | T6730-1642 | 2.87 | 73 | 5.47 | 139 | 3.03 | 77 |
| 31 | 1.1/4 | 52 | 38 | -2052 | 2.3/8 | 60 | T6730-2052 | 3.94 | 100 | 6.61 | 168 | 3.50 | 89 |
| 38 | 1.1/2 | 52 | 38 | -2452 | 2.3/8 | 60 | T6730-2452 | 3.58 | 91 | 7.05 | 179 | 3.50 | 89 |

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

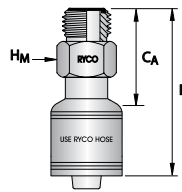
TECHNICAL

COUPLINGS

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|------|-------|
| ORFS | T6840 |
|------|-------|

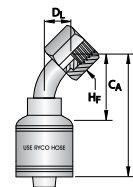
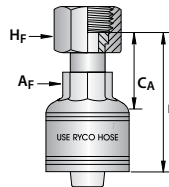
O RING
FACE SEAL



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | | ORFS MALE | | | | |
|-----------|-------|-----------|-----------|-----------|-------------------------|----|-------------------|----------------|----|------|-----|
| DN | inch | inch | inch | | H _M -SPANNER | | PART NO | C _A | | L | |
| | | | | | inch | mm | | inch | mm | inch | mm |
| 19 | 3/4 | 1.3/16 | 3/4 | -1219 | 1.1/4 | 32 | T6840-1219 | 1.85 | 47 | 3.90 | 99 |
| 25 | 1 | 1.7/16 | 1 | -1623 | 1.1/2 | 38 | T6840-1623 | 2.05 | 52 | 4.61 | 117 |
| 31 | 1.1/4 | 1.11/16 | 1.1/4 | -2027 | 2 | 50 | T6840-2027 | 2.24 | 57 | 4.92 | 125 |
| 38 | 1.1/2 | 2 | 1.1/2 | -2432 | 2.3/16 | 55 | T6840-2432 | 2.01 | 51 | 5.47 | 139 |

| | | |
|------|---------------|---------------|
| ORFS | T6800 - T6801 | T6810 - T6811 |
|------|---------------|---------------|

O RING
FACE SEAL



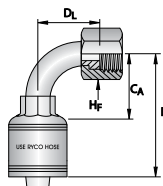
| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP A _F | | FEMALE HEX | | ORFS FEMALE | | | | ORFS FEMALE 45° BEND | | | | | | | |
|-----------|-------|-----------|-----------|-----------|-------------------------|----|-------------------------|----|-------------------|----------------|----|------|----------------------|-------------------|----------------|-----|------|-----|----------------|----|
| DN | inch | inch | inch | | A _F -SPANNER | | H _F -SPANNER | | PART NO | C _A | | L | | PART NO | C _A | | L | | D _L | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 1.3/16 | 3/4 | -1219 | 1.1/16 | 27 | 1.3/8 | 36 | T6800-1219 | 1.73 | 44 | 3.78 | 96 | T6810-1219 | 2.76 | 70 | 4.80 | 122 | 1.14 | 29 |
| | | | | | | | | | T6801-1219 | | | | | T6811-1219 | | | | | | |
| 19 | 3/4 | 1.7/16 | 1 | -1223 | 1.1/16 | 27 | 1.5/8 | 41 | T6800-1223 | 1.69 | 43 | 3.74 | 95 | | | | | | | |
| 25 | 1 | 1.7/16 | 1 | -1623 | 1.1/4 | 32 | 1.5/8 | 41 | T6800-1623 | 1.65 | 42 | 4.21 | 107 | T6810-1623 | 3.43 | 87 | 6.02 | 153 | 1.34 | 34 |
| 25 | 1 | 1.11/16 | 1.1/4 | -1627 | 1.1/4 | 32 | 2 | 50 | T6800-1627 | 1.73 | 44 | 4.29 | 109 | | | | | | | |
| 31 | 1.1/4 | 1.11/16 | 1.1/4 | -2027 | 1.11/16 | 2 | 50 | 50 | T6800-2027 | 1.85 | 47 | 4.53 | 115 | T6810-2027 | 4.29 | 109 | 6.97 | 177 | 1.77 | 45 |
| 38 | 1.1/2 | 2 | 1.1/2 | -2432 | 2.3/16 | 55 | 2.1/4 | 57 | T6800-2432 | 2.52 | 64 | 5.98 | 152 | T6810-2432 | 5.00 | 127 | 8.46 | 215 | 2.09 | 53 |

NOTE: Hose Compatibility for the **T6000** series can be found on page 252

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

ORFS T6820 - T6821

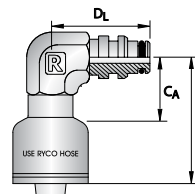
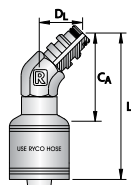
O RING
FACE SEAL



| HOSE SIZE | | | | | FEMALE HEX | | ORFS FEMALE 90° BEND | | | | | | |
|-----------|-------|---------|-------|-----------|------------|----|----------------------|------|-----|------|-----|------|-----|
| DN | inch | inch | inch | DASH SIZE | inch | mm | PART NO | CA | | L | | DL | |
| | | | | | | | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 1.3/16 | 3/4 | -1219 | 1.3/8 | | T6820-1219 | 2.32 | 59 | 4.37 | 111 | 2.32 | 59 |
| | | | | | | 36 | T6821-1219 | | | | | | |
| 19 | 3/4 | 1.7/16 | 1 | -1223 | 1.5/8 | 41 | T6820-1223 | 2.32 | 59 | 4.37 | 111 | 2.09 | 53 |
| 25 | 1 | 1.7/16 | 1 | -1623 | 1.5/8 | 41 | T6820-1623 | 2.87 | 73 | 5.47 | 139 | 2.80 | 71 |
| 31 | 1.1/4 | 1.11/16 | 1.1/4 | -2027 | 2 | 50 | T6820-2027 | 3.94 | 100 | 6.61 | 168 | 3.54 | 90 |
| 38 | 1.1/2 | 2 | 1.1/2 | -2432 | 2.1/4 | 57 | T6820-2432 | 4.17 | 106 | 7.64 | 194 | 4.21 | 107 |

RYCOLOK T6871 T6872

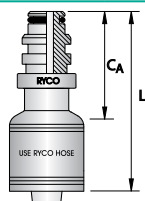
STAPLE
O RING & BACK UP RING
SUPPLIED



| HOSE SIZE | | | | STAPLE SIZE | | DASH SIZE | | RYCOLOK MALE 45° ELBOW | | | | RYCOLOK MALE 90° ELBOW | | | | | |
|-----------|------|----|-------|-------------------|------|-----------|------|------------------------|------|----|-------------------|------------------------|----|------|-----|------|----|
| DN | inch | DN | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 20 | -1220 | | | | | | | | T6872-1220 | 2.09 | 53 | 4.13 | 105 | 2.20 | 56 |
| 25 | 1 | 25 | -1625 | | | | | | | | T6872-1625 | 2.05 | 52 | 4.65 | 118 | 2.68 | 68 |
| 51 | 2 | 50 | -3250 | T6871-3250 | 3.43 | 87 | 7.56 | 192 | 1.81 | 46 | | | | | | | |

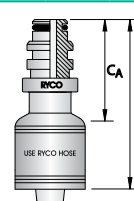
RYCOLOK T6870

STAPLE
O RING & BACK UP RING
SUPPLIED



SUPERLOK T6876

SUPERSTAPLE
O RING & BACK UP RING
SUPPLIED



| HOSE SIZE | | | | STAPLE SIZE | | DASH SIZE | | RYCOLOK MALE | | | | |
|-----------|-------|----|-------|-------------------|------|-----------|------|--------------|--|--|--|--|
| DN | inch | DN | | PART NO | CA | | L | | | | | |
| | | | | | inch | mm | inch | mm | | | | |
| 19 | 3/4 | 20 | -1220 | T6870-1220 | 1.89 | 48 | 3.94 | 100 | | | | |
| 25 | 1 | 25 | -1625 | T6870-1625 | 2.28 | 58 | 4.84 | 123 | | | | |
| 31 | 1.1/4 | 32 | -2032 | T6870-2032 | 2.32 | 59 | 5.00 | 127 | | | | |
| 38 | 1.1/2 | 40 | -2440 | T6870-2440 | 2.40 | 61 | 5.83 | 148 | | | | |
| 51 | 2 | 50 | -3250 | T6870-3250 | 2.48 | 63 | 6.61 | 168 | | | | |

| HOSE SIZE | | | | STAPLE SIZE | | DASH SIZE | | SUPERLOK MALE | | | | |
|-----------|-------|----|-------|-------------------|------|-----------|------|---------------|--|--|--|--|
| DN | inch | DN | | PART NO | CA | | L | | | | | |
| | | | | | inch | mm | inch | mm | | | | |
| 19 | 3/4 | 20 | -1220 | T6876-1220 | 2.24 | 57 | 4.29 | 109 | | | | |
| 25 | 1 | 25 | -1625 | T6876-1625 | 2.95 | 75 | 5.55 | 141 | | | | |
| 31 | 1.1/4 | 32 | -2032 | T6876-2032 | 3.15 | 80 | 5.83 | 148 | | | | |
| 38 | 1.1/2 | 40 | -2440 | T6876-2440 | 3.11 | 79 | 6.57 | 167 | | | | |
| 51 | 2 | 50 | -3250 | T6876-3250 | 3.31 | 84 | 7.44 | 189 | | | | |

NOTE: Hose Compatibility for the **T6000** series can be found on page 252

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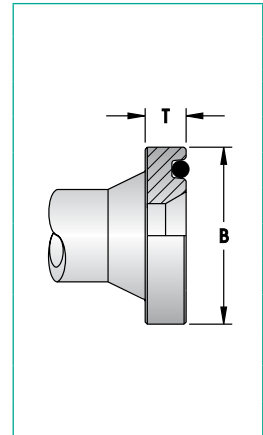
TECHNICAL

COUPLINGS

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

DIMENSIONS FOR SAE CODE 61 AND CODE 62 FLANGES, AND RYCO CODE 62C FLANGES

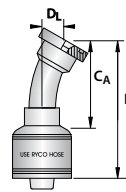
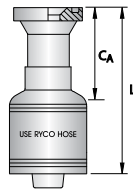
| NOMINAL FLANGE | CODE 61 | | | | CODE 62 | | | | CODE 62C | | | |
|----------------|---------|------|------|-------|---------|------|-------|-------|----------|------|-------|-------|
| | B | | T | | B | | T | | B | | T | |
| inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch |
| 1/2 | 30,2 | 1.19 | 6,73 | 0.265 | 31,8 | 1.25 | 7,75 | 0.305 | | | | |
| 5/8 | 34,0 | 1.34 | 6,73 | 0.265 | | | | | | | | |
| 3/4 | 38,1 | 1.50 | 6,73 | 0.265 | 41,3 | 1.63 | 8,76 | 0.345 | 41,3 | 1.63 | 14,20 | 0.559 |
| 1 | 44,5 | 1.75 | 8,00 | 0.315 | 47,6 | 1.88 | 9,53 | 0.375 | 47,6 | 1.88 | 14,20 | 0.559 |
| 1.1/4 | 50,8 | 2.00 | 8,00 | 0.315 | 54,0 | 2.12 | 10,29 | 0.405 | 54,0 | 2.12 | 14,20 | 0.559 |
| 1.1/2 | 60,3 | 2.38 | 8,00 | 0.315 | 63,5 | 2.50 | 12,57 | 0.495 | 63,5 | 2.50 | 14,20 | 0.559 |
| 2 | 71,4 | 2.81 | 9,53 | 0.375 | 79,4 | 3.13 | 12,57 | 0.495 | 79,4 | 3.13 | 14,20 | 0.559 |
| 2.1/2 | 84,1 | 3.31 | 9,53 | 0.375 | | | | | | | | |
| 3 | 101,6 | 4.00 | 9,53 | 0.375 | | | | | | | | |



NOTE: RYCO Code 62C fittings conform to the flange OD and bolt hole patterns of SAE Code 62 but require special flange clamps. RYCO Code 62C flange heads are thicker than SAE Code 62 and measure T = 14,2 mm (0.559 inch) in all sizes.

| SAE FLANGE | T6130 | T6140 |
|------------|-------|-------|
|------------|-------|-------|

**RYCO
CODE 61
CLAMPS - SEE PAGES
442 & 443
O RING NOT SUPPLIED**



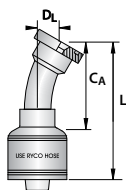
| HOSE SIZE | NOM. FLANGE SIZE | DASH SIZE | CODE 61 FLANGE | | | | | | CODE 61 FLANGE 22.5° TUBE BEND | | | | | |
|-----------|------------------|-----------|----------------|-------------------|------|------|------|-----|--------------------------------|----|------|----|------|----|
| | | | PART NO | | CA | | L | | PART NO | | CA | | L | |
| DN | inch | inch | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | T6130-1212 | 1.89 | 48 | 3.94 | 100 | | | | | | |
| 19 | 3/4 | 1 | -1216 | T6130-1216 | 2.05 | 52 | 4.09 | 104 | | | | | | |
| 25 | 1 | 1 | -1616 | T6130-1616 | 2.09 | 53 | 4.69 | 119 | | | | | | |
| 25 | 1 | 1.1/4 | -1620 | T6130-1620 | 2.28 | 58 | 4.88 | 124 | | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T6130-2020 | 2.40 | 61 | 5.08 | 129 | | | | | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | T6130-2424 | 3.43 | 87 | 6.85 | 174 | | | | | | |
| 51 | 2 | 2 | -3232 | T6130-3232 | 3.98 | 101 | 8.11 | 206 | | | | | | |

NOTE: Hose Compatibility for the **T6000** series can be found on page 252

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

SAE FLANGE T6290

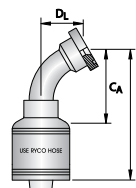
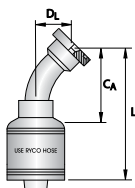
RYCO
CODE 61
CLAMPS - SEE PAGES
442 & 443
O RING NOT SUPPLIED



| HOSE SIZE | | NOM. FLANGE SIZE | DASH SIZE | CODE 61 FLANGE 30° TUBE BEND | | | | | | |
|-----------|-------|------------------|-----------|------------------------------|------|-----|-------|-----|------|----|
| DN | inch | inch | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | T6290-1212 | 2.83 | 72 | 4.88 | 124 | 0.71 | 18 |
| 25 | 1 | 1 | -1616 | T6290-1616 | 3.70 | 94 | 6.30 | 160 | 0.87 | 22 |
| 31 | 1.1/4 | 1.1/4 | -2020 | T6290-2020 | 4.17 | 106 | 6.85 | 174 | 0.79 | 20 |
| 31 | 1.1/4 | 1.1/2 | -2024 | T6290-2024 | 4.37 | 111 | 7.05 | 179 | 0.94 | 24 |
| 38 | 1.1/2 | 1.1/2 | -2424 | T6290-2424 | 4.65 | 118 | 8.11 | 206 | 1.02 | 26 |
| 38 | 1.1/2 | 2 | -2432 | T6290-2432 | 5.12 | 130 | 8.58 | 218 | 1.26 | 32 |
| 51 | 2 | 2 | -3232 | T6290-3232 | 6.06 | 154 | 10.20 | 259 | 1.18 | 30 |

SAE FLANGE T6150 T6300

RYCO
CODE 61
CLAMPS - SEE PAGES
O RING NOT SUPPLIED



| HOSE SIZE | | NOM. FLANGE SIZE | DASH SIZE | CODE 61 FLANGE 45° TUBE BEND | | | | | | | CODE 61 FLANGE 60° TUBE BEND | | | | | | |
|-----------|-------|------------------|-----------|------------------------------|------|-----|-------|-----|------|----|------------------------------|------|-----|-------|-----|------|----|
| DN | inch | inch | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | T6150-1212 | 2.68 | 68 | 4.72 | 120 | 1.02 | 26 | T6300-1212 | 3.15 | 80 | 5.20 | 132 | 1.46 | 37 |
| 19 | 3/4 | 1 | -1216 | T6150-1216 | 2.76 | 70 | 4.80 | 122 | 1.18 | 30 | T6300-1216 | 3.23 | 82 | 5.28 | 134 | 1.61 | 41 |
| 25 | 1 | 1 | -1616 | T6150-1616 | 3.27 | 83 | 5.87 | 149 | 1.18 | 30 | T6300-1616 | 3.90 | 99 | 6.50 | 165 | 1.81 | 46 |
| 25 | 1 | 1.1/4 | -1620 | T6150-1620 | 3.35 | 85 | 5.94 | 151 | 1.26 | 32 | T6300-1620 | 3.82 | 97 | 6.42 | 163 | 1.77 | 45 |
| 31 | 1.1/4 | 1.1/4 | -2020 | T6150-2020 | 4.02 | 102 | 6.69 | 170 | 1.50 | 38 | T6300-2020 | 4.69 | 119 | 7.36 | 187 | 2.01 | 51 |
| 31 | 1.1/4 | 1.1/2 | -2024 | | | | | | | | T6300-2024 | 4.76 | 121 | 7.44 | 189 | 2.13 | 54 |
| 38 | 1.1/2 | 1.1/2 | -2424 | T6150-2424 | 4.57 | 116 | 8.03 | 204 | 1.65 | 42 | T6300-2424 | 5.67 | 144 | 9.13 | 232 | 2.36 | 60 |
| 38 | 1.1/2 | 2 | -2432 | | | | | | | | T6300-2432 | 5.79 | 147 | 9.25 | 235 | 2.68 | 68 |
| 51 | 2 | 2 | -3232 | T6150-3232 | 5.91 | 150 | 10.04 | 255 | 2.28 | 58 | T6300-3232 | 7.32 | 186 | 11.46 | 291 | 3.23 | 82 |

NOTE: Hose Compatibility for the **T6000** series can be found on page 252

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HOSE

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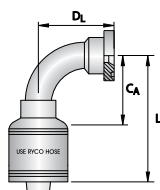
TECHNICAL

COUPLINGS

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|-------------------|--------------|
| SAE FLANGE | T6170 |
|-------------------|--------------|

RYCO
CODE 61
CLAMPS - SEE PAGES
442 & 443
O RING NOT SUPPLIED



| HOSE SIZE | NOM. FLANGE SIZE | DASH SIZE | CODE 61 FLANGE 90° TUBE BEND | | | | | | | |
|-----------|------------------|-----------|------------------------------|--|--|--|--|--|--|--|
|-----------|------------------|-----------|------------------------------|--|--|--|--|--|--|--|

| DN | HOSE SIZE | | DASH | PART NO | CA | | L | | DL | |
|----|-----------|-------|-------|-------------------|------|-----|------|-----|------|-----|
| | inch | inch | | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | T6170-1212 | 2.32 | 59 | 4.37 | 111 | 2.13 | 54 |
| 19 | 3/4 | 1 | -1216 | T6170-1216 | 2.32 | 59 | 4.37 | 111 | 2.36 | 60 |
| 25 | 1 | 1 | -1616 | T6170-1616 | 2.87 | 73 | 5.47 | 139 | 2.68 | 68 |
| 25 | 1 | 1.1/4 | -1620 | T6170-1620 | 2.87 | 73 | 5.47 | 139 | 2.72 | 69 |
| 31 | 1.1/4 | 1.1/4 | -2020 | T6170-2020 | 3.94 | 100 | 6.61 | 168 | 3.07 | 78 |
| 38 | 1.1/2 | 1.1/2 | -2424 | T6170-2424 | 4.09 | 104 | 7.56 | 192 | 3.66 | 93 |
| 51 | 2 | 2 | -3232 | T6170-3232 | 5.39 | 137 | 9.53 | 242 | 5.12 | 130 |

NOTE: Hose Compatibility for the **T6000** series can be found on page 252

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

INTRODUCTION

HOSE

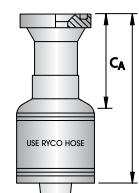
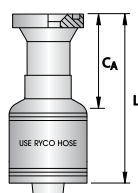
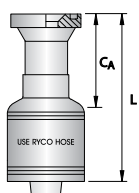
COUPLINGS

ADAPTORS

TECHNICAL

| SAE FLANGE | T6330 | T6333 | T6334 |
|------------|-------|-------|-------|
|------------|-------|-------|-------|

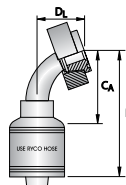
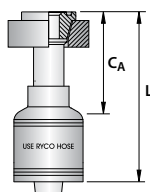
RYCO
CODE 62
CLAMPS - SEE RYCO
ADAPTOR CATALOGUE
O RING NOT SUPPLIED



| DN | HOSE SIZE | | | DASH SIZE | RYCO CODE 62 FLANGE | | | | RYCO CODE 62C FLANGE | | | | CODE 62C D-RING FLANGE | | | | | |
|----|-----------|-------|-------|-------------------|---------------------|-----|------|-----|----------------------|------|------|------|------------------------|-------------------|------|-----|------|-----|
| | inch | inch | inch | | PART NO | CA | L | | PART NO | CA | L | | PART NO | CA | L | | | |
| | inch | inch | | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | | |
| 19 | 3/4 | 3/4 | -1212 | T6330-1212 | 2.09 | 53 | 4.13 | 105 | T6333-1212 | 3.46 | 88 | 5.51 | 140 | T6334-1212 | 2.52 | 64 | 4.57 | 116 |
| 19 | 3/4 | 1 | -1216 | T6330-1216 | 2.20 | 56 | 4.25 | 108 | T6333-1216 | 3.46 | 88 | 5.51 | 140 | T6334-1216 | 2.52 | 64 | 4.57 | 116 |
| 25 | 1 | 3/4 | -1612 | T6330-1612 | 2.13 | 54 | 4.72 | 120 | | | | | | | | | | |
| 25 | 1 | 1 | -1616 | T6330-1616 | 2.24 | 57 | 4.84 | 123 | T6333-1616 | 3.54 | 90 | 6.14 | 156 | T6334-1616 | 2.56 | 65 | 5.16 | 131 |
| 25 | 1 | 1.1/4 | -1620 | T6330-1620 | 2.72 | 69 | 5.28 | 134 | T6333-1620 | 3.54 | 90 | 6.14 | 156 | T6334-1620 | 2.87 | 73 | 5.47 | 139 |
| 31 | 1.1/4 | 1 | -2016 | T6330-2016 | 2.80 | 71 | 5.47 | 139 | | | | | | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T6330-2020 | 2.80 | 71 | 5.47 | 139 | T6333-2020 | 3.50 | 89 | 6.18 | 157 | T6334-2020 | 3.66 | 93 | 6.34 | 161 |
| 31 | 1.1/4 | 1.1/2 | -2024 | T6330-2024 | 2.76 | 70 | 6.22 | 158 | T6333-2024 | 3.43 | 87 | 6.10 | 155 | T6334-2024 | 3.50 | 89 | 6.18 | 157 |
| 38 | 1.1/2 | 1.1/4 | -2420 | T6330-2420 | 2.76 | 70 | 6.22 | 158 | | | | | | | | | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | T6330-2424 | 3.98 | 101 | 7.40 | 188 | T6333-2424 | 3.43 | 87 | 6.89 | 175 | T6334-2424 | 3.31 | 84 | 6.77 | 172 |
| 38 | 1.1/2 | 2 | -2432 | T6330-2432 | 4.69 | 119 | 8.11 | 206 | T6333-2432 | | | | | | | | | |
| 51 | 2 | 1.1/2 | -3224 | T6330-3224 | 4.21 | 107 | 8.35 | 212 | T6333-3232 | 4.37 | 111 | 8.50 | 216 | T6334-3232 | 4.92 | 125 | 9.02 | 229 |
| 51 | 2 | 2 | -3232 | T6330-3232 | 4.84 | 123 | 8.98 | 228 | | | | | | | | | | |

| SAE FLANGE | T6335 | T6912 |
|------------|-------|-------|
|------------|-------|-------|

RYCO
CODE 62
CLAMPS - SEE RYCO
ADAPTOR CATALOGUE
O RING NOT SUPPLIED



| DN | HOSE SIZE | | | DASH SIZE | RYCO CODE 62K FLANGE | | | | CODE 62 FLANGE 15° BEND | | | | DL | | |
|----|-----------|-------|-------|-------------------|----------------------|-----|------|-----|-------------------------|------|------|-------|------|------|----|
| | inch | inch | inch | | PART NO | CA | L | | PART NO | CA | L | | inch | mm | |
| | inch | inch | | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | |
| 25 | 1 | | -1616 | T6335-1616 | 2.64 | 67 | 5.24 | 133 | T6912-1616 | 4.92 | 125 | 7.52 | 191 | 0.67 | 17 |
| 25 | 1 | 1.1/4 | -1620 | T6335-1620 | 2.40 | 61 | 5.00 | 127 | | | | | | | |
| 31 | 1.1/4 | | -2016 | T6335-2016 | 4.53 | 115 | 7.20 | 183 | | | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T6335-2020 | 3.74 | 95 | 6.42 | 163 | | | | | | | |
| 31 | 1.1/4 | 1.1/2 | -2024 | T6335-2024 | 3.43 | 87 | 6.10 | 155 | T6912-2024 | 6.54 | 166 | 9.21 | 234 | 0.71 | 18 |
| 38 | 1.1/2 | 1.1/2 | -2424 | T6335-2424 | 4.21 | 107 | 7.68 | 195 | T6912-2424 | 7.64 | 194 | 11.06 | 281 | 0.94 | 24 |
| 38 | 1.1/2 | 2 | -2432 | T6335-2432 | 3.62 | 92 | 7.05 | 179 | T6912-2432 | 7.68 | 195 | 11.10 | 282 | 1.06 | 27 |
| 51 | 2 | 1.1/2 | -3224 | T6335-3224 | 5.79 | 147 | 9.92 | 252 | | | | | | | |
| 51 | 2 | 2 | -3232 | T6335-3232 | 4.80 | 122 | 8.94 | 227 | | | | | | | |

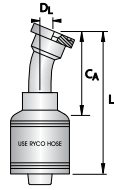
NOTE: Hose Compatibility for the **T6000** series can be found on page 252

COUPLINGS

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|-------------------|--------------|
| SAE FLANGE | T6440 |
|-------------------|--------------|

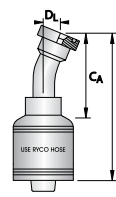
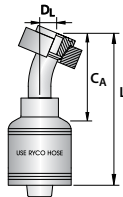
RYCO
CODE 62
CLAMPS - SEE RYCO
ADAPTOR CATALOGUE
O RING NOT SUPPLIED



| HOSE SIZE | | NOM. FLANGE SIZE | DASH SIZE | CODE 62 FLANGE 22.5° BEND | | | | | | |
|-----------|-------|------------------|-----------|---------------------------|------|-----|-------|-----|------|----|
| DN | inch | inch | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | T6440-1212 | 3.15 | 80 | 5.20 | 132 | 0.63 | 16 |
| 19 | 3/4 | 1 | -1216 | T6440-1216 | 3.11 | 79 | 5.16 | 131 | 0.55 | 14 |
| 25 | 1 | 1 | -1616 | T6440-1616 | 3.58 | 91 | 6.18 | 157 | 0.63 | 16 |
| 31 | 1.1/4 | 1.1/4 | -2020 | T6440-2020 | 4.33 | 110 | 7.01 | 178 | 0.67 | 17 |
| 31 | 1.1/4 | 1.1/2 | -2024 | T6440-2024 | 4.65 | 118 | 7.32 | 186 | 0.87 | 22 |
| 38 | 1.1/2 | 1.1/2 | -2424 | T6440-2424 | 5.00 | 127 | 8.46 | 215 | 0.94 | 24 |
| 51 | 2 | 2 | -3232 | T6440-3232 | 6.57 | 167 | 10.71 | 272 | 1.10 | 28 |

| | | |
|-------------------|--------------|--------------|
| SAE FLANGE | T6445 | T6443 |
|-------------------|--------------|--------------|

RYCO
CODE 62
CLAMPS - SEE RYCO
ADAPTOR CATALOGUE
O RING NOT SUPPLIED



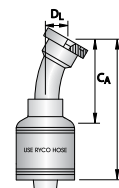
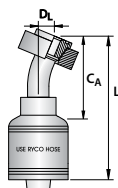
| HOSE SIZE | | NOM. FLANGE SIZE | DASH SIZE | RYCO CODE 62C FLANGE 22.5° BEND | | | | | | RYCO CODE 62C FLANGE 22.5° BEND | | | | | | | |
|-----------|-------|------------------|-----------|---------------------------------|------|-----|-------|-----|------|---------------------------------|-------------------|------|-----|------|-----|------|----|
| DN | inch | inch | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | | | | | | | | T6443-1212 | 3.23 | 82 | 5.28 | 134 | 0.71 | 18 |
| 19 | 3/4 | 1 | -1216 | | | | | | | | T6443-1216 | 3.35 | 85 | 5.39 | 137 | 0.79 | 20 |
| 25 | 1 | 1 | -1616 | | | | | | | | T6443-1616 | 3.74 | 95 | 6.34 | 161 | 0.63 | 16 |
| 25 | 1 | 1.1/4 | -1620 | | | | | | | | T6443-1620 | 3.78 | 96 | 6.38 | 162 | 0.75 | 19 |
| 31 | 1.1/4 | 1.1/4 | -2020 | | | | | | | | T6443-2020 | 4.49 | 114 | 7.17 | 182 | 0.75 | 19 |
| 31 | 1.1/4 | 1.1/2 | -2024 | | | | | | | | T6443-2024 | 4.65 | 118 | 7.32 | 186 | 0.87 | 22 |
| 38 | 1.1/2 | 1.1/2 | -2424 | | | | | | | | T6443-2424 | 5.00 | 127 | 8.46 | 215 | 0.94 | 24 |
| 51 | 2 | 2 | -3232 | T6445-3232 | 8.62 | 219 | 12.76 | 324 | 1.77 | 45 | | | | | | | |

NOTE: Hose Compatibility for the **T6000** series can be found on page 252

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-------------------|--------------|--------------|
| SAE FLANGE | T6444 | T6450 |
|-------------------|--------------|--------------|

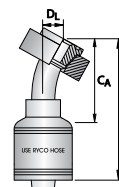
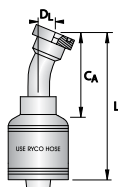
RYCO
CODE 62
CLAMPS - SEE RYCO
ADAPTOR CATALOGUE
O RING NOT SUPPLIED



| HOSE SIZE | | | | NOM. FLANGE SIZE | DASH SIZE | CODE 62C D-RING FLANGE 22.5° BEND | | | | | | CODE 62 FLANGE 30° BEND | | | | | |
|-----------|-------|-------|-------|-------------------|-----------|-----------------------------------|------|-----|------|----|-------------------|-------------------------|-----|-------|-----|------|----|
| DN | inch | inch | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | T6444-1212 | 3.19 | 81 | 5.24 | 133 | 0.59 | 15 | T6450-1212 | 2.87 | 73 | 4.92 | 125 | 0.75 | 19 |
| 25 | 1 | 1 | -1616 | T6444-1616 | 3.50 | 89 | 6.10 | 155 | 0.63 | 16 | T6450-1616 | 3.54 | 90 | 6.14 | 156 | 0.87 | 22 |
| 25 | 1 | 1.1/4 | -1620 | T6444-1620 | 3.66 | 93 | 6.26 | 159 | 0.63 | 16 | T6450-1620 | 3.54 | 90 | 6.14 | 156 | 0.98 | 25 |
| 31 | 1.1/4 | 1.1/4 | -2020 | T6444-2020 | 4.49 | 114 | 7.17 | 182 | 0.75 | 19 | T6450-2020 | 4.33 | 110 | 7.01 | 178 | 0.87 | 22 |
| 31 | 1.1/4 | 1.1/2 | -2024 | | | | | | | | T6450-2024 | 4.53 | 115 | 7.20 | 183 | 0.98 | 25 |
| 38 | 1.1/2 | 1.1/2 | -2424 | | | | | | | | T6450-2424 | 5.31 | 135 | 8.78 | 223 | 1.30 | 33 |
| 51 | 2 | 2 | -3232 | | | | | | | | T6450-3232 | 6.54 | 166 | 10.67 | 271 | 1.57 | 40 |

| | | |
|-----------------------|--------------|--------------|
| SPECIAL FLANGE | T6453 | T6454 |
|-----------------------|--------------|--------------|

RYCO
CODE 62
CLAMPS - SEE RYCO
ADAPTOR CATALOGUE
O RING NOT SUPPLIED



| HOSE SIZE | | | | NOM. FLANGE SIZE | DASH SIZE | CODE 62C D-RING FLANGE 30° BEND | | | | | | RYCO CODE 62K FLANGE 30° BEND | | | | | |
|-----------|-------|-------|-------|-------------------|-----------|---------------------------------|------|-----|------|----|-------------------|-------------------------------|-----|------|-----|------|----|
| DN | inch | inch | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | T6453-1212 | 3.11 | 79 | 5.16 | 131 | 0.91 | 23 | T6454-1212 | 3.23 | 82 | 5.28 | 134 | 0.91 | 23 |
| 25 | 1 | 1 | -1616 | T6453-1616 | 4.37 | 111 | 6.97 | 177 | 0.94 | 24 | T6454-1616 | 4.25 | 108 | 6.85 | 174 | 0.94 | 24 |
| 25 | 1 | 1.1/4 | -1620 | T6453-1620 | 4.49 | 114 | 7.09 | 180 | 0.98 | 25 | | | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T6453-2020 | 4.65 | 118 | 7.32 | 186 | 0.98 | 25 | T6454-2020 | 4.61 | 117 | 7.28 | 185 | 0.98 | 25 |
| 31 | 1.1/4 | 1.1/2 | -2024 | T6453-2024 | 4.61 | 117 | 7.28 | 185 | 1.02 | 26 | T6454-2024 | 4.61 | 117 | 7.28 | 185 | 1.02 | 26 |
| 38 | 1.1/2 | 1.1/2 | -2424 | T6453-2424 | 5.00 | 127 | 8.46 | 215 | 1.18 | 30 | | | | | | | |

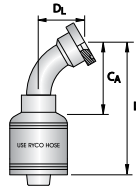
NOTE: Hose Compatibility for the **T6000** series can be found on page 252

COUPLINGS

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|-----------------------|--------------|
| SPECIAL FLANGE | T6455 |
|-----------------------|--------------|

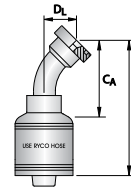
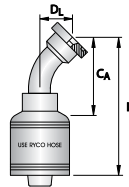
RYCO
CODE 62
CLAMPS - SEE RYCO
ADAPTOR CATALOGUE
O RING NOT SUPPLIED



| HOSE SIZE | | | | NOM. FLANGE SIZE | DASH SIZE | CODE 62 FLANGE 60° BEND | | | | | |
|-----------|-------|-------|-------|-------------------|-----------|-------------------------|-------|-----|------|----|--|
| DN | inch | inch | | PART NO | CA | | L | | DL | | |
| | | | | | inch | mm | inch | mm | inch | mm | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T6455-2020 | 6.73 | 171 | 9.41 | 239 | 1.57 | 40 | |
| 31 | 1.1/4 | 1.1/2 | -2024 | T6455-2024 | 6.54 | 166 | 9.21 | 234 | 1.50 | 38 | |
| 38 | 1.1/2 | 1.1/2 | -2424 | T6455-2424 | 7.24 | 184 | 10.67 | 271 | 1.97 | 50 | |
| 51 | 2 | 2 | -3232 | T6455-3232 | 8.39 | 213 | 12.52 | 318 | 2.17 | 55 | |

| | | |
|-----------------------|--------------|--------------|
| SPECIAL FLANGE | T6350 | T6353 |
|-----------------------|--------------|--------------|

RYCO
CODE 62
CLAMPS - SEE RYCO
ADAPTOR CATALOGUE
O RING NOT SUPPLIED



| HOSE SIZE | | | | NOM. FLANGE SIZE | DASH SIZE | CODE 62 FLANGE 45° BEND | | | | | RYCO CODE 62C FLANGE 45° BEND | | | | | | |
|-----------|-------|-------|-------|-------------------|-----------|-------------------------|-------|-----|------|----|-------------------------------|------|-----|-------|-----|------|----|
| DN | inch | inch | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | T6350-1212 | 2.72 | 69 | 4.76 | 121 | 1.10 | 28 | T6353-1212 | 2.83 | 72 | 4.88 | 124 | 1.22 | 31 |
| 19 | 3/4 | 1 | -1216 | T6350-1216 | 2.87 | 73 | 4.92 | 125 | 1.22 | 31 | T6353-1216 | 2.83 | 72 | 4.88 | 124 | 1.30 | 33 |
| 25 | 1 | 3/4 | -1612 | T6350-1612 | 2.83 | 72 | 5.43 | 138 | 1.10 | 28 | | | | | | | |
| 25 | 1 | 1 | -1616 | T6350-1616 | 3.31 | 84 | 5.91 | 150 | 1.22 | 31 | T6353-1616 | 3.43 | 87 | 6.02 | 153 | 1.38 | 35 |
| 25 | 1 | 1.1/4 | -1620 | T6350-1620 | 3.35 | 85 | 5.94 | 151 | 1.34 | 34 | T6353-1620 | 3.31 | 84 | 5.91 | 150 | 1.46 | 37 |
| 31 | 1.1/4 | 1.1/4 | -2020 | T6350-2020 | 4.06 | 103 | 6.73 | 171 | 1.50 | 38 | T6353-2020 | 4.17 | 106 | 6.85 | 174 | 1.61 | 41 |
| 31 | 1.1/4 | 1.1/2 | -2024 | T6350-2024 | 4.17 | 106 | 6.85 | 174 | 1.61 | 41 | T6353-2024 | 4.33 | 110 | 7.01 | 178 | 1.65 | 42 |
| 38 | 1.1/2 | 1.1/2 | -2424 | T6350-2424 | 4.45 | 113 | 7.91 | 201 | 1.77 | 45 | T6353-2424 | 4.53 | 115 | 7.99 | 203 | 1.81 | 46 |
| 38 | 1.1/2 | 2 | -2432 | T6350-2432 | 4.76 | 121 | 8.23 | 209 | 1.97 | 50 | | | | | | | |
| 51 | 2 | 2 | -3232 | T6350-3232 | 6.10 | 155 | 10.24 | 260 | 2.36 | 60 | T6353-3232 | 6.34 | 161 | 10.47 | 266 | 2.40 | 61 |

NOTE: Hose Compatibility for the **T6000** series can be found on page 252

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

INTRODUCTION

HOSE

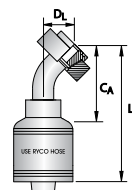
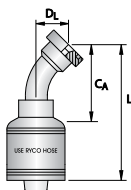
COUPLINGS

ADAPTORS

TECHNICAL

| | | |
|-----------------------|--------------|--------------|
| SPECIAL FLANGE | T6354 | T6355 |
|-----------------------|--------------|--------------|

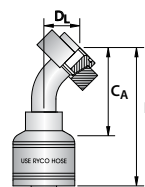
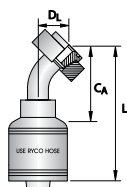
RYCO
CODE 62
CLAMPS - SEE RYCO
ADAPTOR CATALOGUE
O RING NOT SUPPLIED



| HOSE SIZE | | NOM. FLANGE SIZE | DASH SIZE | RYCO CODE 62C D-RING FLANGE 45° BEND | | | | | | RYCO CODE 62K FLANGE 45° BEND | | | | | | | | | | |
|-----------|-------|------------------|-----------|--------------------------------------|------|------|------|------|------|-------------------------------|-------------------|---------|-----|-------|-----|------|----|------|----|--|
| DN | inch | inch | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | | |
| | | | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | |
| 19 | 3/4 | 3/4 | -1212 | T6354-1212 | 2.80 | 71 | 4.84 | 123 | 1.22 | 31 | | | | | | | | | | |
| 19 | 3/4 | 1 | -1216 | T6354-1216 | 2.91 | 74 | 4.96 | 126 | 1.30 | 33 | | | | | | | | | | |
| 25 | 1 | 1 | -1616 | T6354-1616 | 3.58 | 91 | 6.18 | 157 | 1.38 | 35 | T6355-1616 | 4.25 | 108 | 6.85 | 174 | 1.97 | 50 | | | |
| 25 | 1 | 1.1/4 | -1620 | T6354-1620 | 3.23 | 82 | 5.83 | 148 | 1.46 | 37 | T6355-1620 | 4.21 | 107 | 6.81 | 173 | 1.97 | 50 | | | |
| 31 | 1.1/4 | 1 | -2016 | | | | | | | | T6355-2016 | 6.02 | 153 | 8.70 | 221 | 2.17 | 55 | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T6354-2020 | 4.17 | 106 | 6.85 | 174 | 1.73 | 44 | T6355-2020 | 6.22 | 158 | 8.90 | 226 | 2.36 | 60 | | | |
| 31 | 1.1/4 | 1.1/2 | -2024 | T6354-2024 | 4.33 | 110 | 7.01 | 178 | 1.69 | 43 | T6355-2024 | 6.61 | 168 | 9.29 | 236 | 2.36 | 60 | | | |
| 38 | 1.1/2 | 1.1/4 | -2420 | | | | | | | | T6355-2420 | 6.34 | 161 | 9.80 | 249 | 2.87 | 73 | | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | | | | | | | | T6355-2424 | 6.57 | 167 | 10.00 | 254 | 3.15 | 80 | | | |
| 38 | 1.1/2 | 2 | -2432 | | | | | | | | T6355-2432 | 6.22 | 158 | 9.65 | 245 | 3.74 | 95 | | | |
| 51 | 2 | 1.1/2 | -3224 | | | | | | | | T6355-3224 | 5.79 | 147 | 9.92 | 252 | 3.35 | 85 | | | |
| 51 | 2 | 2 | -3232 | | | | | | | | T6355-3232 | 7.60 | 193 | 11.73 | 298 | 3.54 | 90 | | | |

| | | |
|-----------------------|--------------|--------------|
| SPECIAL FLANGE | T6359 | T6465 |
|-----------------------|--------------|--------------|

RYCO
CODE 62
CLAMPS - SEE PAGES
442 & 443
O RING NOT SUPPLIED



| HOSE SIZE | | NOM. FLANGE SIZE | DASH SIZE | RYCO CODE 62K D-RING FLANGE 45° TUBE BEND | | | | | | RYCO CODE 62K FLANGE 90° TUBE BEND | | | | | | | | | |
|-----------|-------|------------------|-----------|---|------|------|-------|------|------|------------------------------------|-------------------|-------------------|------|-------|-------|------|------|------|----|
| DN | inch | inch | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | |
| | | | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 38 | 1.1/2 | 1.1/2 | -2424 | | | | | | | | | T6465-2424 | 7.87 | 200 | 11.30 | 287 | 3.70 | 94 | |
| 51 | 2 | 2 | -3232 | T6359-3232 | 9.76 | 248 | 13.90 | 353 | 5.31 | 135 | T6465-3232 | 9.49 | 241 | 13.62 | 346 | 4.72 | 120 | | |

NOTE: Hose Compatibility for the **T6000** series can be found on page 252

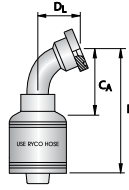
COUPLINGS

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

SPECIAL FLANGE

T6360

RYCO
CODE 62
CLAMPS - SEE PAGES
442 & 443
O RING NOT SUPPLIED



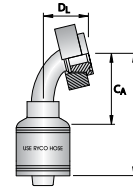
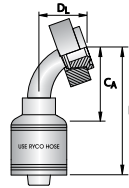
| HOSE SIZE | | NOM. FLANGE SIZE | DASH SIZE | CODE 62 FLANGE 67.5° BEND | | | | | | |
|-----------|-------|------------------|-----------|------------------------------|------|-----|------|-----|------|----|
| DN | inch | inch | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | T6360-1212 | 2.91 | 74 | 4.96 | 126 | 1.85 | 47 |
| 19 | 3/4 | 1 | -1216 | T6360-1216 | 3.03 | 77 | 5.08 | 129 | 1.73 | 44 |
| 25 | 1 | 1 | -1616 | T6360-1616 | 3.58 | 91 | 6.18 | 157 | 2.01 | 51 |
| 25 | 1 | 1.1/4 | -1620 | T6360-1620 | 3.74 | 95 | 6.34 | 161 | 2.83 | 72 |
| 31 | 1.1/4 | 1.1/4 | -2020 | T6360-2020 | 5.28 | 134 | 7.95 | 202 | 2.83 | 72 |
| 31 | 1.1/4 | 1.1/2 | -2024 | T6360-2024 | 5.43 | 138 | 8.11 | 206 | 2.91 | 74 |

SPECIAL FLANGE

T6914

T6916

RYCO
CODE 62
CLAMPS - SEE PAGES
442 & 443
O RING NOT SUPPLIED



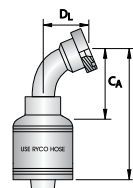
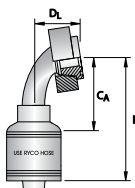
| HOSE SIZE | | NOM. FLANGE SIZE | DASH SIZE | RYCO CODE 62K FLANGE 70° BEND | | | | | | | RYCO CODE 62K FLANGE 75° BEND | | | | | | |
|-----------|-------|------------------|-----------|-------------------------------------|------|-----|------|-----|------|----|-------------------------------------|------|-----|-------|-----|------|-----|
| DN | inch | inch | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 25 | 1 | 1 | -1616 | T6914-1616 | 4.53 | 115 | 7.13 | 181 | 2.76 | 70 | | | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T6914-2020 | 6.65 | 169 | 9.33 | 237 | 3.78 | 96 | | | | | | | |
| 38 | 1.1/2 | 2 | -2432 | | | | | | | | T6916-2432 | 6.97 | 177 | 10.39 | 264 | 5.43 | 138 |

NOTE: Hose Compatibility for the **T6000** series can be found on page 252

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-----------------------|--------------|--------------|
| SPECIAL FLANGE | T6918 | T6363 |
|-----------------------|--------------|--------------|

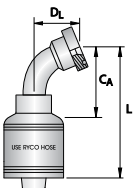
RYCO
CODE 62
CLAMPS - SEE PAGES
442 & 443
O RING NOT SUPPLIED



| HOSE SIZE | | | | NOM. FLANGE SIZE | DASH SIZE | RYCO CODE 62K FLANGE 80° BEND | | | | | RYCO CODE 62C FLANGE 67.5° BEND | | | | | | |
|-----------|-------|-------|-------|-------------------|-----------|-------------------------------|-------|-----|------|-----|---------------------------------|------|-----|------|-----|------|----|
| DN | inch | inch | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | | | | | | | | T6363-1212 | 2.95 | 75 | 5.00 | 127 | 2.05 | 52 |
| 19 | 3/4 | 1 | -1216 | | | | | | | | T6363-1216 | 2.99 | 76 | 5.04 | 128 | 2.09 | 53 |
| 25 | 1 | 1 | -1616 | | | | | | | | T6363-1616 | 3.58 | 91 | 6.18 | 157 | 2.09 | 53 |
| 25 | 1 | 1.1/4 | -1620 | | | | | | | | T6363-1620 | 3.62 | 92 | 6.22 | 158 | 2.20 | 56 |
| 31 | 1.1/4 | 1.1/4 | -2020 | | | | | | | | T6363-2020 | 4.57 | 116 | 7.24 | 184 | 2.64 | 67 |
| 31 | 1.1/4 | 1.1/2 | -2024 | | | | | | | | T6363-2024 | 4.25 | 108 | 6.93 | 176 | 2.99 | 76 |
| 38 | 1.1/2 | 1.1/2 | -2424 | | | | | | | | T6363-2424 | 5.39 | 137 | 8.86 | 225 | 3.03 | 77 |
| 51 | 2 | 2 | -3232 | T6918-3232 | 7.56 | 192 | 11.69 | 297 | 6.30 | 160 | | | | | | | |

| | |
|-----------------------|--------------|
| SPECIAL FLANGE | T6364 |
|-----------------------|--------------|

RYCO
CODE 62
CLAMPS - SEE PAGES
442 & 443
O RING NOT SUPPLIED



| HOSE SIZE | | | | NOM. FLANGE SIZE | DASH SIZE | CODE 62C D-RING FLANGE 67.5° BEND | | | | | | | | | | |
|-----------|-------|-------|-------|-------------------|-----------|-----------------------------------|------|-----|------|----|------|----|------|----|------|----|
| DN | inch | inch | | PART NO | CA | | L | | DL | | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | T6364-1212 | 2.95 | 75 | 5.00 | 127 | 2.05 | 52 | | | | | | |
| 19 | 3/4 | 1 | -1216 | T6364-1216 | 3.11 | 79 | 5.16 | 131 | 2.09 | 53 | | | | | | |
| 25 | 1 | 1 | -1616 | T6364-1616 | 3.58 | 91 | 6.18 | 157 | 2.09 | 53 | | | | | | |
| 25 | 1 | 1.1/4 | -1620 | T6364-1620 | 3.62 | 92 | 6.22 | 158 | 2.20 | 56 | | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T6364-2020 | 4.45 | 113 | 7.13 | 181 | 2.64 | 67 | | | | | | |
| 31 | 1.1/4 | 1.1/2 | -2024 | T6364-2024 | 4.25 | 108 | 6.93 | 176 | 2.99 | 76 | | | | | | |

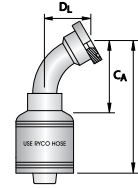
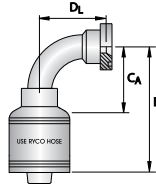
NOTE: Hose Compatibility for the **T6000** series can be found on page 273

COUPLINGS

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-----------------------|--------------|--------------|
| SPECIAL FLANGE | T6374 | T6460 |
|-----------------------|--------------|--------------|

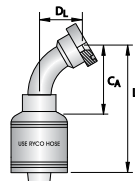
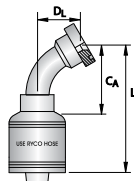
RYCO
CODE 62
CLAMPS - SEE PAGES
442 & 443
O RING NOT SUPPLIED



| HOSE SIZE | | | | NOM. FLANGE SIZE | DASH SIZE | CODE 62C D-RING FLANGE 90° BEND | | | | | RYCO CODE 62 FLANGE 60° BEND | | | | | | |
|-----------|-------|-------|-------|-------------------|-----------|---------------------------------|------|-----|------|----|------------------------------|------|-----|-------|-----|------|-----|
| DN | inch | inch | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | T6374-1212 | 2.32 | 59 | 4.37 | 111 | 2.44 | 62 | T6460-1212 | 3.23 | 82 | 5.28 | 134 | 1.42 | 36 |
| 19 | 3/4 | 1 | -1216 | T6374-1216 | 2.32 | 59 | 4.37 | 111 | 2.60 | 66 | T6460-1216 | 3.23 | 82 | 5.28 | 134 | 1.50 | 38 |
| 25 | 1 | 1 | -1616 | T6374-1616 | 2.87 | 73 | 5.47 | 139 | 2.83 | 72 | T6460-1616 | 3.86 | 98 | 6.46 | 164 | 1.73 | 44 |
| 25 | 1 | 1.1/4 | -1620 | T6374-1620 | 2.87 | 73 | 5.47 | 139 | 2.95 | 75 | T6460-1620 | 3.90 | 99 | 6.50 | 165 | 1.81 | 46 |
| 31 | 1.1/4 | 1.1/4 | -2020 | T6374-2020 | 3.94 | 100 | 6.61 | 168 | 3.27 | 83 | T6460-2020 | 4.02 | 102 | 6.69 | 170 | 1.97 | 50 |
| 31 | 1.1/4 | 1.1/2 | -2024 | T6374-2024 | 3.94 | 100 | 6.61 | 168 | 3.35 | 85 | T6460-2024 | 4.92 | 125 | 7.60 | 193 | 2.28 | 58 |
| 38 | 1.1/2 | 1.1/2 | -2424 | | | | | | | | T6460-2424 | 6.14 | 156 | 9.61 | 244 | 2.80 | 71 |
| 38 | 1.1/2 | 2 | -2432 | | | | | | | | T6460-2432 | 6.30 | 160 | 9.76 | 248 | 3.11 | 79 |
| 51 | 2 | 2 | -3232 | | | | | | | | T6460-3232 | 8.70 | 221 | 12.83 | 326 | 3.98 | 101 |

| | | |
|-----------------------|--------------|--------------|
| SPECIAL FLANGE | T6463 | T6464 |
|-----------------------|--------------|--------------|

RYCO
CODE 62
CLAMPS - SEE PAGES
442 & 443
O RING NOT SUPPLIED



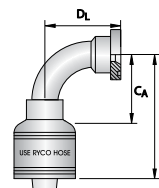
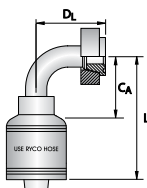
| HOSE SIZE | | | | NOM. FLANGE SIZE | DASH SIZE | CODE 62C FLANGE 60° BEND | | | | | RYCO CODE 62C FLANGE 60° BEND | | | | | | |
|-----------|-------|-------|-------|-------------------|-----------|--------------------------|------|-----|------|----|-------------------------------|------|-----|------|-----|------|----|
| DN | inch | inch | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | T6463-1212 | 3.23 | 82 | 5.28 | 134 | 1.81 | 46 | T6464-1212 | 3.31 | 84 | 5.35 | 136 | 1.65 | 42 |
| 19 | 3/4 | 1 | -1216 | T6463-1216 | 3.46 | 88 | 5.51 | 140 | 1.65 | 42 | T6464-1216 | 3.31 | 84 | 5.35 | 136 | 1.65 | 42 |
| 25 | 1 | 1 | -1616 | T6463-1616 | 3.90 | 99 | 6.50 | 165 | 1.85 | 47 | T6464-1616 | 3.82 | 97 | 6.42 | 163 | 1.85 | 47 |
| 25 | 1 | 1.1/4 | -1620 | T6463-1620 | 4.09 | 104 | 6.69 | 170 | 1.93 | 49 | T6464-1620 | 3.98 | 101 | 6.57 | 167 | 1.93 | 49 |
| 31 | 1.1/4 | 1.1/4 | -2020 | T6463-2020 | 4.84 | 123 | 7.52 | 191 | 2.20 | 56 | T6464-2020 | 4.80 | 122 | 7.48 | 190 | 2.20 | 56 |
| 31 | 1.1/4 | 1.1/2 | -2024 | T6463-2024 | 5.83 | 148 | 8.50 | 216 | 2.60 | 66 | T6464-2024 | 5.75 | 146 | 8.43 | 214 | 2.60 | 66 |
| 38 | 1.1/2 | 1.1/2 | -2424 | T6463-2424 | 5.71 | 145 | 9.17 | 233 | 2.68 | 68 | | | | | | | |

NOTE: Hose Compatibility for the **T6000** series can be found on page 273

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-----------------------|--------------|--------------|
| SPECIAL FLANGE | T6375 | T6370 |
|-----------------------|--------------|--------------|

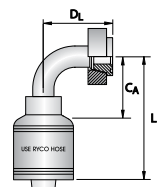
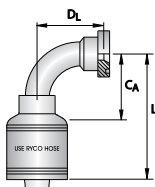
RYCO
CODE 62
CLAMPS - SEE RYCO
ADAPTOR CATALOGUE
O RING NOT SUPPLIED



| HOSE SIZE | | | | NOM. FLANGE SIZE | DASH SIZE | RYCO CODE 62K FLANGE 90° BEND | | | | | CODE 62 FLANGE 90° BEND | | | | | | |
|-----------|-------|-------|-------|-------------------|-----------|-------------------------------|-------|-----|------|-----|-------------------------|------|-----|-------|-----|------|-----|
| DN | inch | inch | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | | | | | | | | T6370-1212 | 2.32 | 59 | 4.37 | 111 | 2.20 | 56 |
| 19 | 3/4 | 1 | -1216 | | | | | | | | T6370-1216 | 2.32 | 59 | 4.37 | 111 | 2.40 | 61 |
| 25 | 1 | 3/4 | -1612 | | | | | | | | T6370-1612 | 2.36 | 60 | 4.96 | 126 | 2.20 | 56 |
| 25 | 1 | 1 | -1616 | T6375-1616 | 3.43 | 87 | 6.02 | 153 | 3.54 | 90 | T6370-1616 | 2.87 | 73 | 5.47 | 139 | 2.76 | 70 |
| 25 | 1 | 1.1/4 | -1620 | T6375-1620 | 3.43 | 87 | 6.02 | 153 | 3.94 | 100 | T6370-1620 | 2.87 | 73 | 5.47 | 139 | 2.80 | 71 |
| 31 | 1.1/4 | 1 | -2016 | T6375-2016 | 5.08 | 129 | 7.76 | 197 | 4.53 | 115 | T6370-2016 | 3.11 | 79 | 5.79 | 147 | 2.76 | 70 |
| 31 | 1.1/4 | 1.1/4 | -2020 | T6375-2020 | 5.16 | 131 | 7.83 | 199 | 4.72 | 120 | T6370-2020 | 3.94 | 100 | 6.61 | 168 | 3.15 | 80 |
| 31 | 1.1/4 | 1.1/2 | -2024 | T6375-2024 | 5.16 | 131 | 7.83 | 199 | 4.72 | 120 | T6370-2024 | 3.94 | 100 | 6.61 | 168 | 3.39 | 86 |
| 38 | 1.1/2 | 1.1/4 | -2420 | T6375-2420 | 5.28 | 134 | 8.74 | 222 | 4.72 | 120 | | | | | | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | T6375-2424 | 5.43 | 138 | 8.86 | 225 | 5.51 | 140 | T6370-2424 | 3.90 | 99 | 7.36 | 187 | 3.86 | 98 |
| 38 | 1.1/2 | 2 | -2432 | T6375-2432 | 5.43 | 138 | 8.86 | 225 | 6.30 | 160 | T6370-2432 | 4.09 | 104 | 7.56 | 192 | 4.09 | 104 |
| 51 | 2 | 1.1/2 | -3224 | T6375-3224 | 5.75 | 146 | 9.88 | 251 | 5.51 | 140 | | | | | | | |
| 51 | 2 | 2 | -3232 | T6375-3232 | 6.38 | 162 | 10.51 | 267 | 7.09 | 180 | T6370-3232 | 6.50 | 165 | 10.63 | 270 | 5.16 | 131 |

| | | |
|-----------------------|--------------|--------------|
| SPECIAL FLANGE | T6373 | T6375 |
|-----------------------|--------------|--------------|

RYCO
CODE 62
CLAMPS - SEE RYCO
ADAPTOR CATALOGUE
O RING NOT SUPPLIED



| HOSE SIZE | | | | NOM. FLANGE SIZE | DASH SIZE | RYCO CODE 62C FLANGE 90° BEND | | | | | RYCO CODE 62K FLANGE 90° BEND | | | | | | |
|-----------|-------|-------|-------|-------------------|-----------|-------------------------------|------|-----|------|-----|-------------------------------|------|-----|-------|-----|------|-----|
| DN | inch | inch | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | T6373-1212 | 2.32 | 59 | 4.37 | 111 | 2.44 | 62 | | | | | | | |
| 19 | 3/4 | 1 | -1216 | T6373-1216 | 2.32 | 59 | 4.37 | 111 | 2.56 | 65 | | | | | | | |
| 25 | 1 | 1 | -1616 | T6373-1616 | 2.87 | 73 | 5.47 | 139 | 2.91 | 74 | T6375-1616 | 3.43 | 87 | 6.02 | 153 | 3.54 | 90 |
| 25 | 1 | 1.1/4 | -1620 | T6373-1620 | 2.87 | 73 | 5.47 | 139 | 2.95 | 75 | T6375-1620 | 3.43 | 87 | 6.02 | 153 | 3.94 | 100 |
| 31 | 1.1/4 | 1 | -2016 | | | | | | | | T6375-2016 | 5.08 | 129 | 7.76 | 197 | 4.53 | 115 |
| 31 | 1.1/4 | 1.1/4 | -2020 | T6373-2020 | 3.94 | 100 | 6.61 | 168 | 3.27 | 83 | T6375-2020 | 5.16 | 131 | 7.83 | 199 | 4.72 | 120 |
| 31 | 1.1/4 | 1.1/2 | -2024 | T6373-2024 | 3.94 | 100 | 6.61 | 168 | 3.35 | 85 | T6375-2024 | 5.16 | 131 | 7.83 | 199 | 4.72 | 120 |
| 38 | 1.1/2 | 1.1/4 | -2420 | | | | | | | | T6375-2420 | 5.28 | 134 | 8.74 | 222 | 4.72 | 120 |
| 38 | 1.1/2 | 1.1/2 | -2424 | T6373-2424 | 4.21 | 107 | 7.68 | 195 | 3.94 | 100 | T6375-2424 | 5.43 | 138 | 8.86 | 225 | 5.51 | 140 |
| 38 | 1.1/2 | 2 | -2432 | | | | | | | | T6375-2432 | 5.43 | 138 | 8.86 | 225 | 6.30 | 160 |
| 51 | 2 | 1.1/2 | -3224 | | | | | | | | T6375-3224 | 5.75 | 146 | 9.88 | 251 | 5.51 | 140 |
| 51 | 2 | 2 | -3232 | T6373-3232 | 5.59 | 142 | 9.72 | 247 | 5.24 | 133 | T6375-3232 | 6.38 | 162 | 10.51 | 267 | 7.09 | 180 |

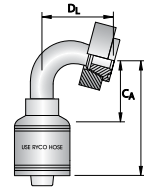
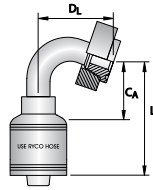
NOTE: Hose Compatibility for the **T6000** series can be found on page 273

COUPLINGS

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-----------------------|--------------|--------------|
| SPECIAL FLANGE | T6936 | T6932 |
|-----------------------|--------------|--------------|

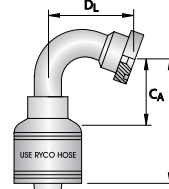
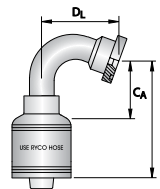
RYCO
CODE 62
CLAMPS - SEE RYCO
ADAPTOR CATALOGUE
O RING NOT SUPPLIED



| HOSE SIZE | | NOM. FLANGE SIZE | DASH SIZE | RYCO CODE 62K FLANGE 100° BEND | | | | | | RYCO CODE 62K FLANGE 105° BEND | | | | | | | | | | |
|-----------|-------|------------------|-----------|--------------------------------|------|------|------|------|------|--------------------------------|----|-------------------|------|------|------|------|------|------|----|--|
| DN | inch | inch | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | | |
| | | | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T6936-2020 | 4.72 | 120 | 7.40 | 188 | 4.92 | 125 | | | | | | | | | | |
| 51 | 2 | 2 | -3232 | T6936-3232 | 5.08 | 129 | 9.21 | 234 | 7.87 | 200 | | | | | | | | | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | | | | | | | | | T6932-2424 | 3.90 | 99 | 7.32 | 186 | 6.18 | 157 | | |

| | | |
|-----------------------|--------------|--------------|
| SPECIAL FLANGE | T6930 | T6933 |
|-----------------------|--------------|--------------|

RYCO
CODE 62
CLAMPS - SEE RYCO
ADAPTOR CATALOGUE
O RING NOT SUPPLIED



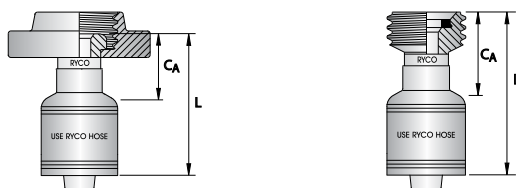
| HOSE SIZE | | NOM. FLANGE SIZE | DASH SIZE | CODE 62 FLANGE 110° BEND | | | | | | RYCO CODE 62C FLANGE 110° BEND | | | | | | | | | |
|-----------|-------|------------------|-----------|--------------------------|------|------|-------|------|------|--------------------------------|-------------------|---------|-----|------|-----|------|-----|------|----|
| DN | inch | inch | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | |
| | | | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 38 | 1.1/2 | 1.1/2 | -2424 | T6930-2424 | 5.59 | 142 | 9.02 | 229 | 4.69 | 119 | T6933-2424 | 5.55 | 141 | 9.02 | 229 | 4.72 | 120 | | |
| 38 | 1.1/2 | 2 | -2432 | T6930-2432 | 5.63 | 143 | 9.09 | 231 | 4.80 | 122 | | | | | | | | | |
| 51 | 2 | 2 | -3232 | T6930-3232 | 6.14 | 156 | 10.28 | 261 | 5.63 | 143 | T6933-3232 | 4.57 | 116 | 8.70 | 221 | 5.35 | 136 | | |

NOTE: Hose Compatibility for the **T6000** series can be found on page 273

T6000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|---------------------|---------------|---------------|
| HAMMER UNION | T61502 | T61501 |
|---------------------|---------------|---------------|

**FIGURE 1502
STANDARD SERVICE**



| HOSE SIZE | | NOM. FLANGE SIZE | DASH SIZE | FIGURE 1502 HAMMER/WING MALE (WITH NUT) STANDARD SERVICE | | | | FIGURE 1502 HAMMER/WING FEMALE (WITH SEAL) STANDARD SERVICE | | | | | |
|-----------|-------|------------------|-----------|--|------|-----|------|---|--------------------|------|----|------|-----|
| DN | inch | inch | | PART NO | CA | | L | | PART NO | CA | | L | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 38 | 1.1/2 | 2 | -2432 | T61502-2432 | 4.41 | 112 | 7.83 | 199 | T61501-2432 | 3.62 | 92 | 7.09 | 180 |
| 51 | 2 | 2 | -3232 | T61502-3232 | 4.57 | 116 | 8.70 | 221 | T61501-3232 | 3.82 | 97 | 7.95 | 202 |

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

NOTE: Hose Compatibility for the **T6000** series can be found on page 273

COUPLINGS

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

HOSE COMPATIBILITY FOR T7000 SERIES

NON-SKIVE

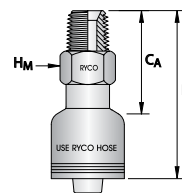
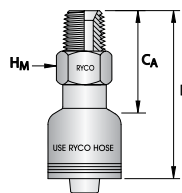
For RYCO Hose Series H3000D/S (sizes -20 to -32).
 For RYCO Hose Series H4000D/S (sizes -06 to -32).
 For RYCO Hose Series H5000D/S (sizes -06 to -24).
 For RYCO Hose Series H6000D/S (sizes -06 to -20).
 For RYCO Hose Series T2D/S/C (sizes -06 to -32).
 For RYCO Hose Series E2, HSPD (sizes -06 to -16).
 For RYCO Hose Series H12D/S (sizes -06 to -20).
 For RYCO Hose Series R45H, HSHD (sizes -20 to -32).
 For RYCO Hose Series T2, TXA2D, RQP2 (sizes -06 to -32).
 For RYCO Hose Series D2B (sizes -24 to -32).
 For RYCO Hose Series R45P (cover must be skived) (all sizes).

SKIVE

For RYCO Hose Series R4SPD (cover must be skived) all sizes.

| BSPT | T7010 | T7014 |
|------|-------|-------|
|------|-------|-------|

60° SEAT



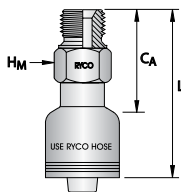
| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | BSPT MALE | | | | BSPT MALE HEAVY DUTY | | | | | | |
|-----------|-------|-----------|-----------|----------|-----------|-------------------|------|----|----------------------|-----|-------------------|------|----|------|----|
| DN | inch | inch | | inch | mm | PART NO | CA | | L | | PART NO | CA | | L | |
| | | | | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 10 | 3/8 | 3/8 | -0606 | 3/4 | 19 | T7010-0606 | 1.38 | 35 | 2.56 | 65 | | | | | |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | T7010-0808 | 1.65 | 42 | 2.72 | 69 | | | | | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | T7010-1212 | 1.85 | 47 | 3.07 | 78 | | | | | |
| 25 | 1 | 1 | -1616 | | 36 | T7010-1616 | 2.09 | 53 | 3.78 | 96 | T7014-1616 | 1.89 | 48 | 3.58 | 91 |
| 31 | 1.1/4 | 1.1/4 | -2020 | | 46 | T7010-2020 | 2.36 | 60 | 4.37 | 111 | | | | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2 | 50 | T7010-2424 | 2.17 | 55 | 4.37 | 111 | | | | | |
| 51 | 2 | 2 | -3232 | | 65 | T7010-3232 | 2.60 | 66 | 5.08 | 129 | | | | | |

NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

BSPP T7013

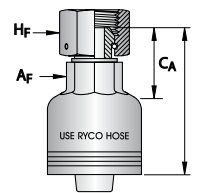
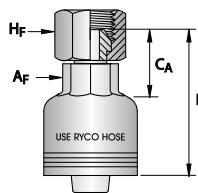
60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | | BSPP MALE | | | | |
|-----------|-------|-----------|-----------|------------|----|-------------------|------|----|------|-----|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 10 | 3/8 | 3/8 | -0606 | 7/8 | 22 | T7013-0606 | 1.46 | 37 | 2.60 | 66 |
| 12 | 1/2 | 1/2 | -0808 | 1.1/16 | 27 | T7013-0808 | 1.61 | 41 | 2.72 | 69 |
| 12 | 1/2 | 5/8 | -0810 | 1.1/4 | 32 | T7013-0810 | 1.73 | 44 | 2.80 | 71 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | T7013-1212 | 1.85 | 47 | 3.07 | 78 |
| 19 | 3/4 | 3/4 | -1216 | 1.5/8 | 41 | T7013-1216 | 2.01 | 51 | 3.23 | 82 |
| 25 | 1 | 1 | -1616 | 1.5/8 | 41 | T7013-1616 | 2.01 | 51 | 3.70 | 94 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 2 | 50 | T7013-2020 | 2.36 | 60 | 4.37 | 111 |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2.3/16 | 55 | T7013-2424 | 2.17 | 55 | 4.37 | 111 |
| 51 | 2 | 2 | -3232 | 2.3/4 | 70 | T7013-3232 | 2.64 | 67 | 5.12 | 130 |

BSPP T7020 T7022

60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | BSPP FEMALE | | | | BSPP FEMALE HEAVY DUTY | | | | | |
|-----------|-------|-----------|-----------|------------|----|------------|----|-------------------|------|----|------|------------------------|-------------------|------|----|------|----|
| DN | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | CA | | L | | PART NO | CA | | L | |
| | | | | inch | mm | inch | mm | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 10 | 3/8 | 3/8 | -0606 | 5/8 | 16 | 7/8 | 22 | T7020-0606 | 1.02 | 26 | 2.20 | 56 | | | | | |
| 12 | 1/2 | 1/2 | -0808 | 3/4 | 19 | 1.1/16 | 27 | T7020-0808 | 1.10 | 28 | 2.20 | 56 | T7022-0808 | 1.10 | 28 | 2.20 | 56 |
| 16 | 5/8 | 5/8 | -1010 | 15/16 | 24 | 1.3/16 | 30 | T7020-1010 | 1.14 | 29 | 2.40 | 61 | | | | | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 1.1/4 | 32 | T7020-1212 | 1.30 | 33 | 2.52 | 64 | T7022-1212 | 1.30 | 33 | 2.52 | 64 |
| 19 | 3/4 | 1 | -1612 | | | | | T7020-1216 | 1.54 | 39 | 2.76 | 70 | | | | | |
| 25 | 1 | 1 | -1616 | 1.1/4 | 32 | 1.1/2 | 38 | T7020-1616 | 1.50 | 38 | 3.19 | 81 | T7022-1616 | 1.50 | 38 | 3.19 | 81 |
| 31 | 1.1/4 | 1 | -2016 | 1.5/8 | 41 | 1.1/2 | 38 | T7020-2016 | 1.73 | 44 | 3.74 | 95 | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.5/8 | 41 | 2 | 50 | T7020-2020 | 1.77 | 45 | 3.78 | 96 | T7022-2020 | 1.77 | 45 | 3.78 | 96 |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2 | 50 | 2.3/16 | 55 | T7020-2424 | 1.85 | 47 | 4.06 | 103 | | | | | |
| 51 | 2 | 2 | -3232 | | 65 | 2.3/4 | 70 | T7020-3232 | 2.17 | 55 | 4.61 | 117 | | | | | |

NOTE: T7000 BSPP, JIC, JIS and Metric Swivel Nut Couplings are shown as "Crimp Nut". Larger sizes are "Wire Nut" or "Slip Nut". See note on page 170.

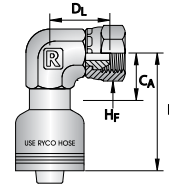
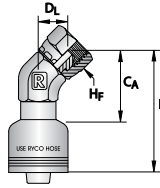
NOTE: Hose Compatibility for the T7000 series can be found on page 274.

COUPLINGS

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-------------|--------------|--------------|
| BSPP | T7060 | T7050 |
|-------------|--------------|--------------|

60° SEAT

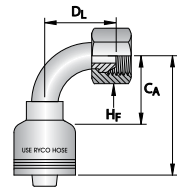
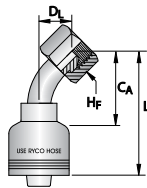


| HOSE SIZE | THRD SIZE | DASH SIZE | FEMALE HEX | BSPP FEMALE 45° ELBOW | | | | | | BSPP FEMALE 90° ELBOW | | | | | | | | | | | | |
|-----------|-----------|-----------|------------|-----------------------|----|-------------------|--|------|----|-----------------------|----|------|----|-------------------|------|------|------|------|------|------|----|--|
| | | | | HF-SPANNER | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | | |
| DN | inch | inch | | inch | mm | | | inch | mm | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm | |
| 10 | 3/8 | 3/8 | -0606 | 7/8 | 22 | | | | | | | | | T7050-0606 | 1.22 | 31 | 2.36 | 60 | 1.10 | 28 | | |
| 12 | 1/2 | 1/2 | -0808 | 1.1/16 | 27 | T7060-0808 | | 1.14 | 29 | 2.24 | 57 | 0.71 | 18 | T7050-0808 | 1.46 | 37 | 2.56 | 65 | 1.22 | 31 | | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | T7060-1212 | | 1.34 | 34 | 2.52 | 64 | 0.79 | 20 | T7050-1212 | 1.57 | 40 | 2.80 | 71 | 1.42 | 36 | | |
| 25 | 1 | 1 | -1616 | 1.1/2 | 38 | T7060-1616 | | 1.38 | 35 | 3.07 | 78 | 1.02 | 26 | T7050-1616 | 1.54 | 39 | 3.23 | 82 | 1.77 | 45 | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | 2 | 50 | T7060-2020 | | 1.46 | 37 | 3.46 | 88 | 1.14 | 29 | T7050-2020 | 2.05 | 52 | 4.06 | 103 | 2.05 | 52 | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2.3/16 | 55 | | | | | | | | | T7050-2424 | 2.36 | 60 | 4.61 | 117 | 2.32 | 59 | | |
| 51 | 2 | 2 | -3232 | 2.3/4 | 70 | | | | | | | | | T7050-3232 | 2.20 | 56 | 4.69 | 119 | 2.44 | 62 | | |

NOTE: T7000 BSPP, JIC, JIS and Metric Swivel Nut Couplings are shown as "Crimp Nut". Larger sizes are "Wire Nut" or "Slip Nut". See note on page 170.

| | | |
|-------------|--------------|--------------|
| BSPP | T7270 | T7260 |
|-------------|--------------|--------------|

60° SEAT



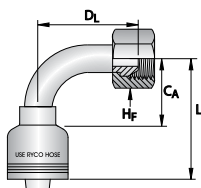
| HOSE SIZE | THRD SIZE | DASH SIZE | FEMALE HEX | BSPP FEMALE 45° TUBE BEND | | | | | | BSPP FEMALE 90° TUBE BEND | | | | | | | | | | | | |
|-----------|-----------|-----------|------------|---------------------------|----|-------------------|--|------|-----|---------------------------|-----|------|----|-------------------|------|------|------|------|------|------|----|--|
| | | | | HF-SPANNER | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | | |
| DN | inch | inch | | inch | mm | | | inch | mm | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm | |
| 10 | 3/8 | 3/8 | -0606 | 7/8 | 22 | T7270-0606 | | 1.61 | 41 | 2.80 | 71 | 0.71 | 18 | T7260-0606 | 1.38 | 35 | 2.52 | 64 | 1.30 | 33 | | |
| 12 | 1/2 | 1/2 | -0808 | 1.1/16 | 27 | T7270-0808 | | 1.97 | 50 | 3.07 | 78 | 0.87 | 22 | T7260-0808 | 1.61 | 41 | 2.72 | 69 | 1.77 | 45 | | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | T7270-1212 | | 3.11 | 79 | 4.33 | 110 | 1.14 | 29 | T7260-1212 | 2.32 | 59 | 3.54 | 90 | 2.32 | 59 | | |
| 25 | 1 | 1 | -1616 | 1.1/2 | 38 | T7270-1616 | | 3.35 | 85 | 5.04 | 128 | 1.65 | 42 | T7260-1616 | 2.68 | 68 | 4.37 | 111 | 3.07 | 78 | | |
| 31 | 1.1/4 | 1 | -2016 | 1.1/2 | 38 | | | | | | | | | T7260-2016 | 3.54 | 90 | 5.55 | 141 | 3.03 | 77 | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | 2 | 50 | T7270-2020 | | 6.50 | 165 | 8.50 | 216 | 1.81 | 46 | T7260-2020 | 3.94 | 100 | 5.94 | 151 | 3.58 | 91 | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2.3/16 | 55 | T7270-2424 | | 5.04 | 128 | 7.24 | 184 | 2.05 | 52 | T7260-2424 | 4.17 | 106 | 6.38 | 162 | 4.13 | 105 | | |
| 51 | 2 | 2 | -3232 | 2.3/4 | 70 | T7270-3232 | | 5.91 | 150 | 8.39 | 213 | 2.56 | 65 | T7260-3232 | 5.39 | 137 | 7.87 | 200 | 5.20 | 132 | | |

NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

BSPP T7210

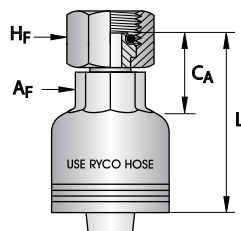
60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | | BSPP FEMALE 90° LONG BEND | | | | | | | |
|-----------|-------|-----------|-----------|------------|----|---------------------------|----|------|-----|------|-----|------|-----|
| DN | inch | inch | | HF-SPANNER | | PART NO | | CA | | L | | DL | |
| | inch | inch | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | T7210-1212 | | 2.32 | 59 | 3.54 | 90 | 3.74 | 95 |
| 25 | 1 | 1 | -1616 | 1.1/2 | 38 | T7210-1616 | | 2.56 | 65 | 4.25 | 108 | 4.57 | 116 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 2 | 50 | T7210-2020 | | 4.21 | 107 | 6.22 | 158 | 1.81 | 46 |

BSPO T7027

60° SEAT
O RING

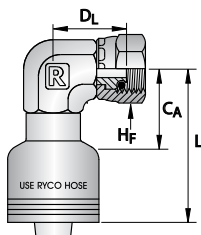


| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP AF | FEMALE HEX | | BSPO FEMALE | | | | | | |
|-----------|------|-----------|-----------|------------|------------|---------|-------------|-------------------|------|------|------|------|----|
| DN | inch | inch | | AF-SPANNER | HF-SPANNER | PART NO | | CA | | L | | DL | |
| | inch | inch | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 1.1/4 | 32 | T7027-1212 | 1.30 | 33 | 2.52 | 64 | |
| 25 | 1 | 1 | -1616 | 1.1/4 | 32 | 1.1/2 | 38 | T7027-1616 | 1.50 | 38 | 3.19 | 81 | |

NOTE: T7000 BSPP, JIC, JIS and Metric Swivel Nut Couplings are shown as "Crimp Nut". Larger sizes are "Wire Nut" or "Slip Nut".

BSPO T7057

60° SEAT
O RING



| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | | BSPO FEMALE 90° ELBOW | | | | | | | |
|-----------|------|-----------|-----------|------------|----|-----------------------|----|------|----|------|----|------|----|
| DN | inch | inch | | HF-SPANNER | | PART NO | | CA | | L | | DL | |
| | inch | inch | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | T7057-1212 | | 1.54 | 39 | 2.76 | 70 | 1.50 | 38 |

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

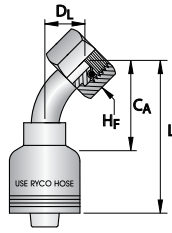
TECHNICAL

COUPLINGS

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|-------------|--------------|
| BSP0 | T7277 |
|-------------|--------------|

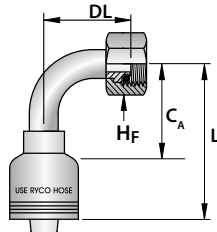
60° SEAT
O RING



| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | | BSP0 FEMALE 45° TUBE BEND | | | | | | |
|-----------|------|-----------|-----------|------------|----|---------------------------|------|----|------|-----|------|----|
| DN | inch | inch | | inch | mm | PART NO | CA | | L | | DL | |
| | | | | | | | inch | mm | inch | mm | inch | mm |
| 12 | 1/2 | 1/2 | -0808 | 1.1/16 | 27 | T7277-0808 | 1.97 | 50 | 3.03 | 77 | 0.83 | 21 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | T7277-1212 | 2.76 | 70 | 3.98 | 101 | 1.26 | 32 |
| 25 | 1 | 1 | -1616 | 1.1/2 | 38 | T7277-1616 | 3.35 | 85 | 5.04 | 128 | 1.65 | 42 |

| | |
|-------------|--------------|
| BSP0 | T7267 |
|-------------|--------------|

60° SEAT
O RING



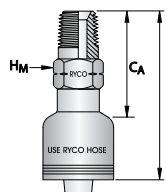
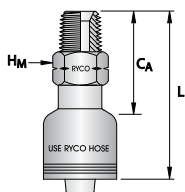
| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | | BSP0 FEMALE 90° TUBE BEND | | | | | | |
|-----------|------|-----------|-----------|------------|----|---------------------------|------|----|------|-----|------|----|
| DN | inch | inch | | inch | mm | PART NO | CA | | L | | DL | |
| | | | | | | | inch | mm | inch | mm | inch | mm |
| 12 | 1/2 | 1/2 | -0808 | 1.1/16 | 27 | T7267-0808 | 1.57 | 40 | 2.68 | 68 | 1.73 | 44 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | T7267-1212 | 2.17 | 55 | 3.39 | 86 | 2.32 | 59 |
| 25 | 1 | 1 | -1616 | 1.1/2 | 38 | T7267-1616 | 2.83 | 72 | 4.53 | 115 | 2.95 | 75 |

NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|------------|--------------|--------------|
| NPT | T7090 | T7091 |
|------------|--------------|--------------|

60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | | NPT MALE | | | | NPT MALE EXTENDED (API) | | | | | |
|-----------|-------|-----------|-----------|----------|----|-------------------|------|----|------|-------------------------|-------------------|------|-----|------|-----|
| DN | inch | inch | | inch | mm | PART NO | CA | | L | | PART NO | CA | | L | |
| | | | | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 10 | 3/8 | 1/4 | -0604 | 9/16 | | T7090-0604 | 1.38 | 35 | 2.56 | 65 | | | | | |
| 10 | 3/8 | 3/8 | -0606 | 3/4 | 19 | T7090-0606 | 1.38 | 35 | 2.56 | 65 | | | | | |
| 12 | 1/2 | 3/8 | -0806 | 3/4 | 19 | T7090-0806 | 1.50 | 38 | 2.60 | 66 | | | | | |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | T7090-0808 | 1.65 | 42 | 2.72 | 69 | | | | | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | T7090-1212 | 1.85 | 47 | 3.07 | 78 | | | | | |
| 25 | 1 | 3/4 | -1612 | 1.1/16 | 27 | T7090-1612 | 1.85 | 47 | 3.54 | 90 | | | | | |
| 25 | 1 | 1 | -1616 | 1.3/8 | | T7090-1616 | 2.09 | 53 | 3.78 | 96 | | | | | |
| 31 | 1.1/4 | 1 | -2016 | 1.3/8 | | T7090-2016 | 2.28 | 58 | 4.29 | 109 | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.3/4 | | T7090-2020 | 2.36 | 60 | 4.37 | 111 | | | | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2 | | T7090-2424 | 2.17 | 55 | 4.37 | 111 | | | | | |
| 51 | 2 | 2 | -3232 | 2.1/2 | | T7090-3232 | 2.60 | 66 | 5.08 | 129 | T7091-3232 | 4.21 | 107 | 6.69 | 170 |

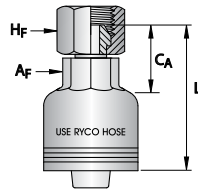
NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

COUPLINGS

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|------------|---------------|
| NPT | T7020N |
|------------|---------------|

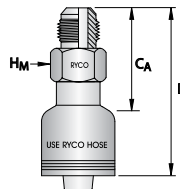
60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | NPSM FEMALE | | | | | |
|-----------|-------|-----------|-----------|------------|-------|------------|----|--------------------|------|------|------|------|----|
| DN | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | | CA | | L | |
| | | | | inch | mm | inch | mm | | | inch | mm | inch | mm |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.5/8 | 41 | 2 | 50 | T7020N-2020 | 1.77 | 45 | 3.78 | 96 | |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2 | 50 | 2.3/8 | 60 | T7020N-2424 | 1.85 | 47 | 4.06 | 103 | |
| 51 | 2 | 2 | -3232 | 64 | 2.3/4 | 70 | | T7020N-3232 | 2.13 | 55 | 4.61 | 117 | |

| | |
|-------------------|----------------------|
| JIC - MALE | T7030 - T7031 |
|-------------------|----------------------|

37° FLARE



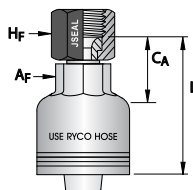
| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | | JIC MALE | | | | | |
|-----------|-------|-----------|-----------|-----------|------------|----|-------------------|------|------|------|------|----|
| DN | inch | inch | inch | | Hm-SPANNER | | PART NO | | CA | | L | |
| | | | | | inch | mm | | | inch | mm | inch | mm |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 5/8 | 16 | T7030-0609 | 1.42 | 36 | 2.56 | 65 | |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 3/4 | 19 | T7030-0812 | 1.57 | 40 | 2.68 | 68 | |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 15/16 | 24 | T7030-0814 | 1.69 | 43 | 2.76 | 70 | |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 15/16 | 24 | T7030-1014 | 1.69 | 43 | 2.99 | 76 | |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/16 | 27 | T7030-1217 | 1.97 | 50 | 3.19 | 81 | |
| 19 | 3/4 | 1.3/16 | 7/8 | -1219 | 1.1/4 | 32 | T7030-1219 | 2.01 | 51 | 3.23 | 82 | |
| 19 | 3/4 | 1.5/16 | 1 | -1221 | 1.3/8 | | T7030-1221 | 2.05 | 52 | 3.27 | 83 | |
| | | | | | 36 | | T7031-1221 | | | | | |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.3/8 | | T7030-1621 | 2.01 | 51 | 3.70 | 94 | |
| | | | | | 36 | | T7031-1621 | | | | | |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | 1.3/4 | | T7030-2026 | 2.32 | 59 | 4.33 | 110 | |
| 38 | 1.1/2 | 1.7/8 | 1.1/2 | -2430 | 2 | 50 | T7030-2430 | 2.24 | 57 | 4.45 | 113 | |
| 51 | 2 | 2.1/2 | 2 | -3240 | 2.1/2 | | T7030-3240 | 2.87 | 73 | 5.35 | 136 | |

NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

JSEAL™ / JIC T7040 - T7041

CONVEX SEAT

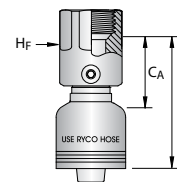
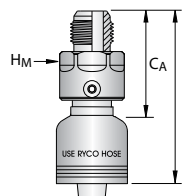


| DN | HOSE SIZE | | DASH SIZE | BACK UP Af | | FEMALE HEX | | JSEAL™ / JIC FEMALE | | L | | |
|----|-----------|--------|-----------|------------|----|------------|----|---------------------|------|----|------|-----|
| | inch | inch | | inch | mm | inch | mm | inch | mm | | | |
| 10 | 3/8 | 9/16 | -0609 | 5/8 | 16 | 11/16 | | T7040-0609 | 0.87 | 22 | 2.01 | 51 |
| | | | | 5/8 | 16 | 3/4 | 19 | T7041-0609 | | | | |
| 10 | 3/8 | 3/4 | -0612 | 5/8 | 16 | 7/8 | 22 | T7040-0612 | 1.02 | 26 | 2.17 | 55 |
| 12 | 1/2 | 3/4 | -0812 | 3/4 | 19 | 7/8 | 22 | T7040-0812 | 0.94 | 24 | 2.01 | 51 |
| 12 | 1/2 | 7/8 | -0814 | 3/4 | 19 | 1.1/16 | 27 | T7040-0814 | 1.06 | 27 | 2.17 | 55 |
| 12 | 1/2 | 1.1/16 | -0817 | 3/4 | 19 | 1.1/4 | 32 | T7040-0817 | 1.22 | 31 | 2.32 | 59 |
| 16 | 5/8 | 3/4 | -1012 | 15/16 | 24 | 7/8 | 22 | T7040-1012 | 0.98 | 25 | 2.28 | 58 |
| 16 | 5/8 | 7/8 | -1014 | 15/16 | 24 | 1.1/16 | 27 | T7040-1014 | 1.06 | 27 | 2.32 | 59 |
| 16 | 5/8 | 1.1/16 | -1017 | 15/16 | 24 | 1.1/4 | 32 | T7040-1017 | 1.18 | 30 | 2.48 | 63 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 7/8 | 22 | T7040-1212 | 1.18 | 30 | 2.40 | 61 |
| 19 | 3/4 | 7/8 | -1214 | 1.1/16 | 27 | 1.1/16 | 27 | T7040-1214 | 1.34 | 34 | 2.56 | 65 |
| 19 | 3/4 | 1.1/16 | -1217 | 1.1/16 | 27 | 1.1/4 | 32 | T7040-1217 | 1.22 | 31 | 2.44 | 62 |
| 19 | 3/4 | 1.3/16 | -1219 | 1.1/16 | 27 | 1.3/8 | | T7040-1219 | 1.22 | 31 | 2.44 | 62 |
| 19 | 3/4 | 1.5/16 | -1221 | 1.1/16 | 27 | 1.1/2 | 38 | T7040-1221 | 1.50 | 38 | 2.72 | 69 |
| 25 | 1 | 1.1/16 | -1617 | 1.1/4 | 32 | 1.1/4 | 32 | T7040-1617 | 1.34 | 34 | 3.03 | 77 |
| 25 | 1 | 1.5/16 | -1621 | 1.1/4 | 32 | 1.1/2 | 38 | T7040-1621 | 1.38 | 35 | 3.07 | 78 |
| 25 | 1 | 1.5/8 | -1626 | 1.1/4 | 32 | 2 | 50 | T7040-1626 | 1.61 | 41 | 3.31 | 84 |
| 31 | 1.1/4 | 1.5/16 | -2021 | 1.5/8 | 41 | 1.1/2 | 38 | T7040-2021 | 1.69 | 43 | 3.70 | 94 |
| 31 | 1.1/4 | 1.5/8 | -2026 | 1.5/8 | 41 | 2 | 50 | T7040-2026 | 1.69 | 43 | 3.70 | 94 |
| 31 | 1.1/4 | 1.7/8 | -2030 | 1.5/8 | 41 | 2.1/4 | 57 | T7040-2030 | 2.05 | 52 | 4.06 | 103 |
| 38 | 1.1/2 | 1.7/8 | -2430 | 2 | 50 | 2.1/4 | 57 | T7040-2430 | 2.09 | 53 | 4.29 | 109 |
| 51 | 2 | 2.1/2 | -3240 | | 65 | 2.7/8 | 73 | T7040-3240 | 2.44 | 62 | 4.88 | 124 |

JIC T7039 T7044

ELIMINATE HOSE TWIST ON JUMBO LOOM HOSES

37° FLARE
360° ROTATION
10 RPM MAX.



| DN | HOSE SIZE | | TUBE SIZE | DASH SIZE | MAX. WORKING PRESSURE | | MALE HEX | | FEMALE HEX | | JIC MALE SWIVEL JOINT | | | | JIC FEMALE SWIVEL JOINT | | | | | |
|----|-----------|--------|-----------|-----------|-----------------------|------|----------|----|------------|----|-----------------------|------|------|------|-------------------------|-------------------|------|----|------|-----|
| | inch | inch | | | bar | psi | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | | |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 350 | 5100 | | 25 | | 25 | T7039-0609 | 2.09 | 53 | 3.23 | 82 | T7044-0609 | 1.65 | 42 | 2.80 | 71 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 350 | 5100 | | 36 | | 36 | T7039-0812 | 2.32 | 59 | 3.39 | 86 | T7044-0812 | 1.77 | 45 | 2.83 | 72 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 310 | 4500 | 1.1/2 | 38 | 1.1/2 | 38 | T7039-1217 | 2.56 | 65 | 3.74 | 95 | T7044-1217 | 1.81 | 46 | 3.03 | 77 |
| 25 | 1 | 1.5/16 | 1 | -1621 | 280 | 4100 | | 46 | | 46 | T7039-1621 | 3.23 | 82 | 4.92 | 125 | T7044-1621 | 2.48 | 63 | 4.17 | 106 |

NOTE: Hose Compatibility for the T7000 series can be found on page 274.

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HOSE
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TECHNICAL

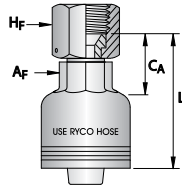
COUPLINGS

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

JIC - HEAVY DUTY

T7045

37° FLARE

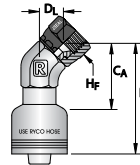


| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | JIC FEMALE HIGH PRESSURE | | | | | |
|-----------|-------|-----------|-----------|------------|----|------------|----|--------------------------|------|------|------|------|----|
| DN | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | | CA | | L | |
| | | | | inch | mm | inch | mm | | | inch | mm | inch | mm |
| 25 | 1 | 1.5/16 | -1621 | 1.1/4 | 32 | 1.5/8 | 41 | T7045-1621 | 1.30 | 33 | 2.99 | 76 | |
| 31 | 1.1/4 | 1.5/8 | -2026 | 1.3/4 | | 2.1/4 | 57 | T7045-2026 | 1.57 | 40 | 3.62 | 92 | |
| 38 | 1.1/2 | 1.7/8 | -2430 | 2 | | 2.1/4 | 57 | T7045-2430 | 2.20 | 56 | 4.45 | 113 | |

JSEAL™ / JIC

T7080

CONVEX SEAT



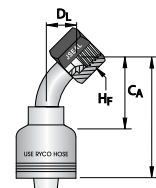
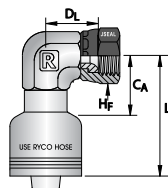
| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | JSEAL™ / JIC FEMALE 45° ELBOW | | | | | | | |
|-----------|------|-----------|-----------|------------|----|------------|----|-------------------------------|------|------|------|------|------|------|----|
| DN | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | | CA | | L | | DL | |
| | | | | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm |
| 12 | 1/2 | 3/4 | -0812 | 7/8 | 22 | 7/8 | 22 | T7080-0812 | 1.14 | 29 | 2.24 | 57 | 0.63 | 16 | |
| 12 | 1/2 | 7/8 | -0814 | 7/8 | 22 | 1.1/16 | 27 | T7080-0814 | 1.14 | 29 | 2.24 | 57 | 0.67 | 17 | |
| 19 | 3/4 | 1.1/16 | -1217 | 1.1/16 | 27 | 1.1/4 | 32 | T7080-1217 | 1.34 | 34 | 2.52 | 64 | 0.67 | 17 | |
| 25 | 1 | 1.5/16 | -1621 | 1.5/16 | | 1.1/2 | 38 | T7080-1621 | 1.38 | 35 | 3.07 | 78 | 0.83 | 21 | |

JSEAL™ / JIC

T7070

T7250 - T7251

CONVEX SEAT

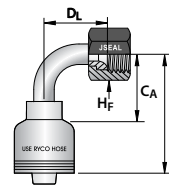
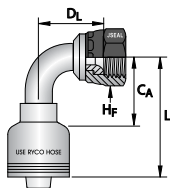


| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | | JSEAL™ / JIC FEMALE 90° ELBOW | | | | JSEAL™ / JIC FEMALE 45° TUBE BEND | | | | | | | | | | | | |
|-----------|-------|-----------|-----------|-----------|------------|----|-------------------------------|------|------|------|-----------------------------------|------|------|-------------------|-------------------|------|------|------|------|------|------|----|--|
| DN | inch | inch | inch | | Hf-SPANNER | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | | |
| | | | | | inch | mm | | | inch | mm | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm | |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 11/16 | | | | | | | | | | T7250-0609 | 1.50 | 38 | 2.68 | 68 | 0.55 | 14 | | |
| | | | | | 3/4 | 19 | | | | | | | | | T7251-0609 | | | | | | | | |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 7/8 | 22 | | | | | | | | | T7250-0812 | 3.03 | 77 | 4.09 | 104 | 0.83 | 21 | | |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 1.1/16 | 27 | T7070-0814 | 1.46 | 37 | 2.56 | 65 | 1.22 | 31 | T7250-0814 | 1.85 | 47 | 2.95 | 75 | 0.87 | 22 | | | |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 1.1/16 | 27 | | | | | | | | | T7250-1014 | 2.44 | 62 | 3.70 | 94 | 0.94 | 24 | | |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1.1/4 | 32 | | | | | | | | | T7250-1017 | 2.13 | 54 | 3.43 | 87 | 0.94 | 24 | | |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/4 | 32 | T7070-1217 | 1.57 | 40 | 2.80 | 71 | 1.26 | 32 | T7250-1217 | 3.11 | 79 | 4.33 | 110 | 1.10 | 28 | | | |
| 19 | 3/4 | 1.5/16 | 1 | -1221 | 1.1/2 | 38 | | | | | | | | | T7250-1221 | 3.50 | 89 | 4.72 | 120 | 1.50 | 38 | | |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.1/2 | 38 | T7070-1621 | 1.54 | 39 | 3.23 | 82 | 1.50 | 38 | T7250-1621 | 3.31 | 84 | 5.00 | 127 | 1.38 | 35 | | | |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | 2 | 50 | | | | | | | | | T7250-2026 | 3.94 | 100 | 5.94 | 151 | 1.54 | 39 | | |
| 38 | 1.1/2 | 1.7/8 | 1.1/2 | -2430 | 2.1/4 | 57 | | | | | | | | | T7250-2430 | 5.04 | 128 | 7.24 | 184 | 1.97 | 50 | | |
| 51 | 2 | 2.1/2 | 2 | -3240 | 2.7/8 | 73 | | | | | | | | | T7250-3240 | 6.46 | 164 | 8.94 | 227 | 2.48 | 63 | | |

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|---------------------|----------------------|----------------------|
| JSEAL™ / JIC | T7243 - T7244 | T7240 - T7241 |
|---------------------|----------------------|----------------------|

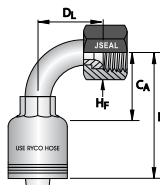
CONVEX SEAT



| HOSE SIZE | | | | THRD SIZE | | DASH SIZE | | FEMALE HEX | | JSEAL™ / JIC FEMALE 90° SHORT TUBE BEND | | | | | | JSEAL™ / JIC FEMALE 90° TUBE BEND | | | | | | |
|-----------|-------|--------|-------|------------|----|-------------------|------|------------|------|---|------|------|-------------------|-------------------|------|-----------------------------------|------|------|------|------|----|--|
| DN | inch | inch | | HF-SPANNER | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | | |
| | | | | inch | mm | | | inch | mm | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm | |
| 10 | 3/8 | 9/16 | -0609 | 11/16 | | T7243-0609 | 1.22 | 31 | 2.40 | 61 | 0.91 | 23 | T7240-0609 | 1.34 | 34 | 2.52 | 64 | 1.02 | 26 | | | |
| | | | | 3/4 | 19 | T7244-0609 | | | | | | | | T7241-0609 | | | | | | | | |
| 10 | 3/8 | 3/4 | -0612 | 7/8 | 22 | | | | | | | | | T7240-0612 | 1.38 | 35 | 2.56 | 65 | 1.18 | 30 | | |
| 12 | 1/2 | 3/4 | -0812 | 7/8 | 22 | T7243-0812 | 1.69 | 43 | 2.80 | 71 | 1.14 | 29 | T7240-0812 | 1.61 | 41 | 2.72 | 69 | 1.50 | 38 | | | |
| 12 | 1/2 | 7/8 | -0814 | 1.1/16 | 27 | | | | | | | | | T7240-0814 | 1.61 | 41 | 2.72 | 69 | 1.61 | 41 | | |
| 16 | 5/8 | 7/8 | -1014 | 1.1/16 | 27 | T7243-1014 | 2.09 | 53 | 3.39 | 86 | 1.34 | 34 | T7240-1014 | 1.77 | 45 | 3.07 | 78 | 1.85 | 47 | | | |
| 16 | 5/8 | 1.1/16 | -1017 | 1.1/4 | 32 | | | | | | | | | T7240-1017 | 1.77 | 45 | 3.07 | 78 | 1.89 | 48 | | |
| 19 | 3/4 | 1.1/16 | -1217 | 1.1/4 | 32 | T7243-1217 | 2.60 | 66 | 3.82 | 97 | 1.85 | 47 | T7240-1217 | 2.32 | 59 | 3.54 | 90 | 2.24 | 57 | | | |
| 19 | 3/4 | 1.5/16 | -1221 | 1.1/2 | 38 | | | | | | | | | T7240-1221 | 2.32 | 59 | 3.54 | 90 | 2.80 | 71 | | |
| 25 | 1 | 1.5/16 | -1621 | 1.1/2 | 38 | T7243-1621 | 3.19 | 81 | 4.88 | 124 | 2.28 | 58 | T7240-1621 | 2.68 | 68 | 4.37 | 111 | 2.83 | 72 | | | |
| 31 | 1.1/4 | 1.5/8 | -2026 | 2 | 50 | | | | | | | | | T7240-2026 | 3.94 | 100 | 5.94 | 151 | 3.19 | 81 | | |
| 38 | 1.1/2 | 1.7/8 | -2430 | 2.1/4 | 57 | | | | | | | | | T7240-2430 | 4.17 | 106 | 6.38 | 162 | 4.17 | 106 | | |
| 51 | 2 | 2.1/2 | -3240 | 2.7/8 | 73 | | | | | | | | | T7240-3240 | 5.83 | 148 | 8.31 | 211 | 5.20 | 132 | | |

| | |
|---------------------|--------------|
| JSEAL™ / JIC | T7245 |
|---------------------|--------------|

CONVEX SEAT



| HOSE SIZE | | | | THRD SIZE | | DASH SIZE | | FEMALE HEX | | JSEAL™ / JIC FEMALE HIGH PRESSURE 90° TUBE BEND | | | | | |
|-----------|-------|--------|-------|------------|----|-------------------|------|------------|------|---|------|------|----|--|--|
| DN | inch | inch | | HF-SPANNER | | PART NO | | CA | | L | | DL | | | |
| | | | | inch | mm | | | inch | mm | inch | mm | inch | mm | | |
| 25 | 1 | 1.5/16 | -1621 | 1.1/2 | 38 | T7245-1621 | 2.68 | 68 | 4.37 | 111 | 2.83 | 72 | | | |
| 31 | 1.1/4 | 1.5/8 | -2026 | 2 | 50 | T7245-2026 | 3.46 | 88 | 5.51 | 140 | 3.07 | 78 | | | |
| 38 | 1.1/2 | 1.7/8 | -2430 | 2.1/4 | 57 | T7245-2430 | 4.06 | 103 | 6.26 | 159 | 4.17 | 106 | | | |

NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

INTRODUCTION

HOSE

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ADAPTORS

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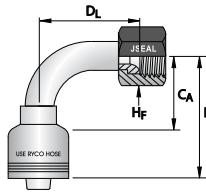
COUPLINGS

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

JSEAL™ / JIC

T7280

CONVEX SEAT

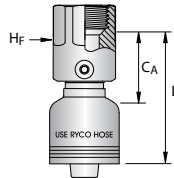


| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | | JSEAL™ / JIC FEMALE 90° LONG BEND | | | | | | |
|-----------|-------|-----------|-----------|------------|----|-----------------------------------|------|-----|------|-----|------|-----|
| DN | inch | inch | | HF-SPANNER | | PART NO | CA | | L | | DL | |
| | inch | inch | | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 1.1/16 | -1217 | 1.1/4 | 32 | T7280-1217 | 2.32 | 59 | 3.54 | 90 | 3.78 | 96 |
| 25 | 1 | 1.5/16 | -1621 | 1.1/2 | 38 | T7280-1621 | 2.95 | 75 | 4.65 | 118 | 4.49 | 114 |
| 31 | 1.1/4 | 1.5/8 | -2026 | 2 | 50 | T7280-2026 | 3.94 | 100 | 5.94 | 151 | 5.08 | 129 |

JIC

T7044

37° FLARE
360° ROTATION
280 BAR / 4100 PSI MAX. W.P.
10 RPM-NOT CONTINUOUS

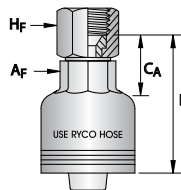


| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | | JIC FEMALE SWIVEL JOINT | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|-------------------------|------|----|------|-----|
| DN | inch | inch | inch | | HM-SPANNER | | PART NO | CA | | L | |
| | inch | inch | inch | | inch | mm | | inch | mm | inch | mm |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 1 | | T7044-0609 | 1.65 | 42 | 2.80 | 71 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 1.3/8 | | T7044-0812 | 1.77 | 45 | 2.83 | 72 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/2 | 38 | T7044-1217 | 1.81 | 46 | 3.03 | 77 |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.3/4 | | T7044-1621 | 2.48 | 63 | 4.17 | 106 |

JIS - BSP

T7122

60° CONCAVE SEAT



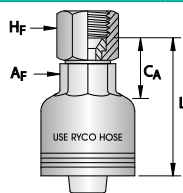
| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP AF | FEMALE HEX | | METRIC FEMALE 60° CONCAVE SEAT (JIS) | | | | | |
|-----------|------|-----------|-----------|------------|------------|------------|--------------------------------------|-------------------|------|----|------|----|
| DN | inch | inch | inch | AF-SPANNER | | HF-SPANNER | | PART NO | CA | | L | |
| | inch | inch | inch | inch | mm | inch | mm | | inch | mm | inch | mm |
| 12 | 1/2 | 1/2 | -0808 | 3/4 | 19 | 1.1/16 | 27 | T7122-0808 | 0.98 | 25 | 2.09 | 53 |
| 16 | 5/8 | 3/4 | -1012 | 15/16 | 24 | | 36 | T7122-1012 | 1.18 | 30 | 2.48 | 63 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | | 36 | T7122-1212 | 1.22 | 31 | 2.44 | 62 |
| 25 | 1 | 1 | -1616 | 1.1/4 | 32 | 1.5/8 | 41 | T7122-1616 | 1.38 | 35 | 3.07 | 78 |

NOTE: Hose Compatibility for the T7000 series can be found on page 274.

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

JIS - METRIC T7680

JAPANESE INDUSTRIAL
STANDARD
METRIC THREAD FORM
60° CONCAVE SEAT



JOINER T7900



| HOSE SIZE | THRD SIZE | DASH SIZE | BACK UP Af | FEMALE HEX | METRIC FEMALE 60° CONCAVE SEAT (JIS) | | | | | | | |
|-----------|-----------|-----------|------------|------------|--------------------------------------|--|--|--|--|--|--|--|
|-----------|-----------|-----------|------------|------------|--------------------------------------|--|--|--|--|--|--|--|

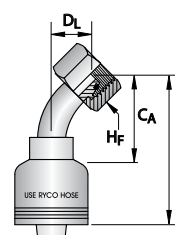
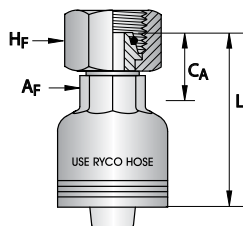
| DN | inch | inch | inch | Af-SPANNER | | Hf-SPANNER | | PART NO | CA | | L | |
|----|-------|--------|-------|------------|----|------------|----|-------------------|------|----|------|-----|
| | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 10 | 3/8 | 18x1,5 | -0618 | 5/8 | 16 | 7/8 | 22 | T7680-0618 | 1.02 | 26 | 2.20 | 56 |
| 12 | 1/2 | 22x1,5 | -0822 | 3/4 | 19 | 1.1/16 | 27 | T7680-0822 | 1.06 | 27 | 2.17 | 55 |
| 12 | 1/2 | 24x1,5 | -0824 | 3/4 | 19 | 1.3/16 | 30 | T7680-0824 | 1.14 | 29 | 2.24 | 57 |
| 16 | 5/8 | 24x1,5 | -1024 | 15/16 | 24 | 1.3/16 | 30 | T7680-1024 | 1.18 | 30 | 2.48 | 63 |
| 19 | 3/4 | 24x1,5 | -1224 | 1.1/16 | 27 | 1.3/16 | 30 | T7680-1224 | 1.22 | 31 | 2.44 | 62 |
| 19 | 3/4 | 30x1,5 | -1230 | 1.1/16 | 27 | | 36 | T7680-1230 | 1.50 | 38 | 2.72 | 69 |
| 25 | 1 | 33x1,5 | -1633 | 1.1/4 | 32 | 1.1/2 | 38 | T7680-1633 | 1.38 | 35 | 3.07 | 78 |
| 25 | 1 | 36x1,5 | -1636 | 1.1/4 | 32 | | 46 | T7680-1636 | 1.38 | 35 | 3.07 | 78 |
| 31 | 1.1/4 | 36x1,5 | -2036 | 1.5/8 | 41 | | 46 | T7680-2036 | 1.50 | 38 | 3.50 | 89 |
| 31 | 1.1/4 | 42x1,5 | -2042 | 1.5/8 | 41 | 2 | 50 | T7680-2042 | 1.69 | 43 | 3.70 | 94 |
| 38 | 1.1/2 | 42x1,5 | -2442 | 2 | 50 | 2 | 50 | T7680-2442 | 1.77 | 45 | 3.98 | 101 |

| HOSE SIZE | DASH SIZE | JOINER | | | | | | | |
|-----------|-----------|--------|--|--|--|--|--|--|--|
|-----------|-----------|--------|--|--|--|--|--|--|--|

| DN | inch | inch | PART NO | CA | | L | |
|----|-------|-------|-------------------|------|----|------|----|
| | | | | inch | mm | inch | mm |
| 10 | 3/8 | -0606 | T7900-0606 | 1.10 | 28 | 2.28 | 58 |
| 12 | 1/2 | -0808 | T7900-0808 | 1.18 | 30 | 2.24 | 57 |
| 19 | 3/4 | -1212 | T7900-1212 | 1.26 | 32 | 2.48 | 63 |
| 25 | 1 | -1616 | T7900-1616 | 1.26 | 32 | 2.95 | 75 |
| 31 | 1.1/4 | -2020 | T7900-2020 | 1.57 | 40 | 3.58 | 91 |
| 38 | 1.1/2 | -2424 | T7900-2424 | 0.98 | 25 | 3.23 | 82 |
| 51 | 2 | -3232 | T7900-3232 | 1.02 | 26 | 3.50 | 89 |

METRIC - DKOL T7501 T7510

DKOL
METRIC O RING (LIGHT)
24° CONE



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | FEMALE HEX | METRIC DKOL FEMALE 24° CONE | | | | | | | METRIC DKOL FEMALE 45° TUBE BEND | | | | |
|-----------|-----------|-----------|-----------|------------|------------|-----------------------------|--|--|--|--|--|--|----------------------------------|--|--|--|--|
|-----------|-----------|-----------|-----------|------------|------------|-----------------------------|--|--|--|--|--|--|----------------------------------|--|--|--|--|

| DN | inch | mm | mm | inch | mm | Af-SPANNER | | PART NO | CA | | L | | PART NO | CA | | L | | DL | | |
|----|-------|--------|----|-------|--------|------------|-------|---------|-------------------|------|------|------|---------|-------------------|------|------|------|-----|------|----|
| | | | | | | inch | mm | | inch | mm | inch | mm | | inch | mm | inch | mm | | | |
| 19 | 3/4 | 30x2,0 | 22 | -1230 | 1.1/16 | 27 | | 36 | T7501-1230 | 1.50 | 38 | 2.72 | 69 | | | | | | | |
| 25 | 1 | 36x2,0 | 28 | -1636 | 1.1/4 | 32 | 1.5/8 | 41 | T7501-1636 | 1.69 | 43 | 3.39 | 86 | | | | | | | |
| 31 | 1.1/4 | 45x2,0 | 35 | -2045 | 1.5/8 | 41 | 2 | 50 | T7501-2045 | 1.85 | 47 | 3.86 | 98 | | | | | | | |
| 38 | 1.1/2 | 52x2,0 | 42 | -2452 | 2 | 50 | 2.3/8 | 60 | T7501-2452 | 1.97 | 50 | 4.17 | 106 | T7510-2452 | 4.65 | 118 | 6.85 | 174 | 1.93 | 49 |

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

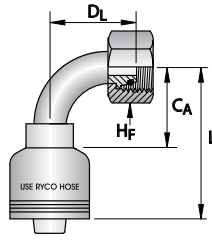
COUPLINGS

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

METRIC - DKOL

T7250

DKOL
METRIC O RING (LIGHT)
24° CONE

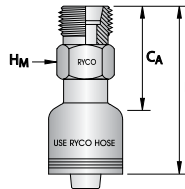


| HOSE SIZE | | | | | THRD SIZE | | TUBE SIZE | | DASH SIZE | | FEMALE HEX | | METRIC DKOL FEMALE 24° CONE 90° TUBE BEND | | | |
|-----------|-------|----|----|-------|------------|----|-------------------|--|-----------|-----|------------|-----|---|-----|--|--|
| DN | inch | mm | mm | | HF-SPANNER | | PART NO | | CA | | L | | DL | | | |
| | | | | | inch | mm | | | inch | mm | inch | mm | inch | mm | | |
| 38 | 1.1/2 | 52 | 42 | -2452 | 2.3/8 | 60 | T7520-2452 | | 4.17 | 106 | 6.38 | 162 | 4.02 | 102 | | |

METRIC - DKS

T7630

DKS MALE (HEAVY)
24° CONE



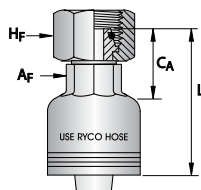
| HOSE SIZE | | | | | THRD SIZE | | TUBE SIZE | | DASH SIZE | | MALE HEX | | DKS MALE 24° CONE | | | |
|-----------|-------|--------|----|-------|------------|----|-------------------|--|-----------|----|----------|-----|-------------------|--|--|--|
| DN | inch | mm | mm | | HM-SPANNER | | PART NO | | CA | | L | | | | | |
| | | | | | inch | mm | | | inch | mm | inch | mm | | | | |
| 12 | 1/2 | 24x1,5 | 16 | -0824 | 1.1/16 | 27 | T7630-0824 | | 1.50 | 38 | 2.60 | 66 | | | | |
| 19 | 3/4 | 30x2,0 | 20 | -1230 | 1.1/4 | 32 | T7630-1230 | | 1.73 | 44 | 2.95 | 75 | | | | |
| 19 | 3/4 | 36x2,0 | 25 | -1236 | 1.5/8 | 41 | T7630-1236 | | 1.89 | 48 | 3.11 | 79 | | | | |
| 25 | 1 | 36x2,0 | 25 | -1636 | 1.5/8 | 41 | T7630-1636 | | 1.89 | 48 | 3.58 | 91 | | | | |
| 25 | 1 | 42x2,0 | 30 | -1642 | | 46 | T7630-1642 | | 2.01 | 51 | 3.70 | 94 | | | | |
| 31 | 1.1/4 | 42x2,0 | 30 | -2042 | | 46 | T7630-2042 | | 2.17 | 55 | 4.17 | 106 | | | | |
| 31 | 1.1/4 | 52x2,0 | 38 | -2052 | 2.3/16 | 55 | T7630-2052 | | 2.32 | 59 | 4.33 | 110 | | | | |

NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|----------------------|--------------|
| METRIC - DKOS | T7711 |
|----------------------|--------------|

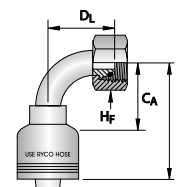
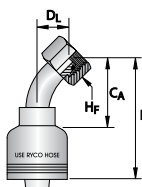
**DKOS
METRIC O RING (HEAVY)
24° CONE**



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | DKOS FEMALE 24° CONE | | | | |
|-----------|-------|-----------|-----------|-----------|------------|----|------------|----|----------------------|------|----|------|-----|
| DN | inch | mm | mm | | AF-SPANNER | | HF-SPANNER | | PART NO | CA | | L | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 10 | 3/8 | 18x1,5 | 10 | -0618 | 5/8 | 16 | 7/8 | 22 | T7711-0618 | 1.22 | 31 | 2.36 | 60 |
| 10 | 3/8 | 20x1,5 | 12 | -0620 | 5/8 | 16 | 15/16 | 24 | T7711-0620 | 1.22 | 31 | 2.40 | 61 |
| 10 | 3/8 | 22x1,5 | 14 | -0622 | 5/8 | 16 | 1.1/16 | 27 | T7711-0622 | 1.30 | 33 | 2.48 | 63 |
| 12 | 1/2 | 24x1,5 | 16 | -0824 | 3/4 | 19 | 1.3/16 | 30 | T7711-0824 | 1.30 | 33 | 2.40 | 61 |
| 16 | 5/8 | 30x2,0 | 20 | -1030 | 15/16 | 24 | | 36 | T7711-1030 | 1.57 | 40 | 2.83 | 72 |
| 16 | 5/8 | 36x2,0 | 25 | -1036 | 15/16 | 24 | 1.5/8 | 41 | T7711-1036 | 1.73 | 44 | 2.99 | 76 |
| 19 | 3/4 | 30x2,0 | 20 | -1230 | 1.1/16 | 27 | | 36 | T7711-1230 | 1.65 | 42 | 2.87 | 73 |
| 19 | 3/4 | 36x2,0 | 25 | -1236 | 1.1/16 | 27 | | 46 | T7711-1236 | 1.81 | 46 | 3.03 | 77 |
| 19 | 3/4 | 42x2,0 | 30 | -1242 | 1.1/16 | 27 | 2 | 50 | T7711-1242 | 1.85 | 47 | 3.07 | 78 |
| 25 | 1 | 30x2,0 | 20 | -1630 | 1.1/4 | 32 | | 36 | T7711-1630 | 1.65 | 42 | 3.35 | 85 |
| 25 | 1 | 36x2,0 | 25 | -1636 | 1.1/4 | 32 | | 46 | T7711-1636 | 1.81 | 46 | 3.50 | 89 |
| 25 | 1 | 42x2,0 | 30 | -1642 | 1.1/4 | 32 | 2 | 50 | T7711-1642 | 1.81 | 46 | 3.50 | 89 |
| 31 | 1.1/4 | 42x2,0 | 30 | -2042 | 1.5/8 | 41 | 2 | 50 | T7711-2042 | 2.01 | 51 | 4.02 | 102 |
| 31 | 1.1/4 | 52x2,0 | 38 | -2052 | 1.5/8 | 41 | 2.3/8 | 60 | T7711-2052 | 2.24 | 57 | 4.25 | 108 |
| 38 | 1.1/2 | 52x2,0 | 38 | -2452 | 2 | 50 | 2.3/8 | 60 | T7711-2452 | 2.28 | 58 | 4.53 | 115 |

| | | |
|----------------------|--------------|--------------|
| METRIC - DKOS | T7720 | T7730 |
|----------------------|--------------|--------------|

**DKOS
METRIC O RING (HEAVY)
24° CONE**



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | | DKOS FEMALE 24° CONE 45° TUBE BEND | | | | | DKOS FEMALE 24° CONE 90° TUBE BEND | | | | | | | | |
|-----------|-------|-----------|-----------|-----------|------------|----|------------------------------------|------|-----|------|-----|------------------------------------|-------------------|-------------------|------|------|------|------|------|----|
| DN | inch | mm | mm | | HF-SPANNER | | PART NO | CA | | L | | DL | PART NO | CA | | L | | DL | | |
| | | | | | inch | mm | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | |
| 10 | 3/8 | 18x1,5 | 10 | -0618 | 7/8 | 22 | | | | | | | T7730-0618 | 1.06 | 27 | 2.24 | 57 | 1.18 | 30 | |
| 12 | 1/2 | 24x1,5 | 16 | -0824 | 1.3/16 | 30 | T7720-0824 | 2.09 | 53 | 3.19 | 81 | 0.94 | 24 | T7730-0824 | 1.61 | 41 | 2.72 | 69 | 1.89 | 48 |
| 16 | 5/8 | 24x1,5 | 16 | -1024 | 1.3/16 | 30 | | | | | | | T7730-1024 | 1.77 | 45 | 3.07 | 78 | 1.89 | 48 | |
| 19 | 3/4 | 30x2,0 | 20 | -1230 | | 36 | T7720-1230 | 2.91 | 74 | 4.13 | 105 | 1.38 | 35 | T7730-1230 | 2.32 | 59 | 3.54 | 90 | 2.68 | 68 |
| 19 | 3/4 | 36x2,0 | 25 | -1236 | | 46 | T7720-1236 | 2.99 | 76 | 4.21 | 107 | 1.38 | 35 | T7730-1236 | 2.32 | 59 | 3.54 | 90 | 2.68 | 68 |
| 25 | 1 | 42x2,0 | 30 | -1642 | 2 | 50 | T7720-1642 | 3.43 | 87 | 5.12 | 130 | 1.46 | 37 | T7730-1642 | 2.72 | 69 | 4.41 | 112 | 3.03 | 77 |
| 31 | 1.1/4 | 42x2,0 | 30 | -2042 | 2 | 50 | | | | | | | T7730-2042 | 2.76 | 70 | 4.76 | 121 | 3.03 | 77 | |
| 31 | 1.1/4 | 52x2,0 | 38 | -2052 | 2.3/8 | 60 | | | | | | | T7730-2052 | 3.94 | 100 | 5.94 | 151 | 3.50 | 89 | |
| 38 | 1.1/2 | 52x2,0 | 38 | -2452 | 2.3/8 | 60 | | | | | | | T7730-2452 | 3.58 | 91 | 5.79 | 147 | 3.50 | 89 | |
| 31 | 1.1/4 | 52x2,0 | 38 | -2052 | 2.3/8 | 60 | T7720-2052 | 4.17 | 106 | 6.18 | 157 | 1.89 | 48 | | | | | | | |

NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

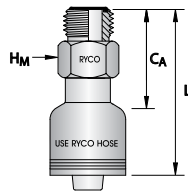
TECHNICAL

COUPLINGS

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|------|-------|
| ORFS | T7840 |
|------|-------|

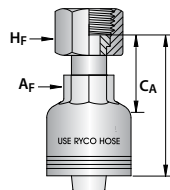
O RING
FACE SEAL



| DN | HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | HM-SPANNER | | PART NO | CA | | L | |
|----|-----------|-----------|-----------|-----------|------------|----|-------------------|------|----|------|-----|
| | | | | | inch | mm | | inch | mm | inch | mm |
| 10 | 3/8 | 11/16 | 3/8 | -0611 | 3/4 | 19 | T7840-0611 | 1.34 | 34 | 2.52 | 64 |
| 12 | 1/2 | 13/16 | 1/2 | -0813 | 7/8 | 22 | T7840-0813 | 1.50 | 38 | 2.56 | 65 |
| 19 | 3/4 | 1.3/16 | 3/4 | -1219 | 1.1/4 | 32 | T7840-1219 | 1.85 | 47 | 3.07 | 78 |
| 25 | 1 | 1.7/16 | 1 | -1623 | 1.1/2 | 38 | T7840-1623 | 2.01 | 51 | 3.70 | 94 |
| 31 | 1.1/4 | 1.11/16 | 1.1/4 | -2027 | 2 | 50 | T7840-2027 | 2.28 | 58 | 4.29 | 109 |

| | |
|------|---------------|
| ORFS | T7800 - T7801 |
|------|---------------|

O RING
FACE SEAL



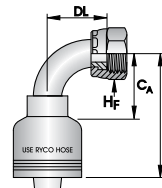
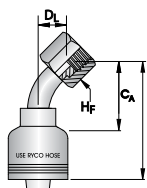
| DN | HOSE SIZE | THRD SIZE | DASH SIZE | AF-SPANNER | | HF-SPANNER | | PART NO | CA | | L | |
|----|-----------|-----------|-----------|------------|----|------------|----|-------------------|------|----|------|-----|
| | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 10 | 3/8 | 11/16 | -0611 | 5/8 | 16 | 7/8 | 22 | T7800-0611 | 1.26 | 32 | 2.44 | 62 |
| | | | | 5/8 | 16 | 7/8 | 22 | T7801-0611 | | | | |
| 10 | 3/8 | 13/16 | -0613 | 5/8 | 16 | 15/16 | 24 | T7800-0613 | 1.38 | 35 | 2.56 | 65 |
| 12 | 1/2 | 13/16 | -0813 | 3/4 | 19 | 15/16 | 24 | T7800-0813 | 1.42 | 36 | 2.52 | 64 |
| | | | | 3/4 | 19 | 1.1/8 | | T7800-0816 | | | | |
| 12 | 1/2 | 1 | -0816 | 3/4 | 19 | 1.3/16 | 30 | T7801-0816 | 1.50 | 38 | 2.60 | 66 |
| | | | | 3/4 | 19 | 1.3/8 | | T7800-0819 | | | | |
| 12 | 1/2 | 1.3/16 | -0819 | 3/4 | 19 | | 36 | T7801-0819 | 1.65 | 42 | 2.72 | 69 |
| | | | | 3/4 | 19 | | | T7800-1016 | | | | |
| 16 | 5/8 | 1 | -1016 | 15/16 | 24 | 1.1/8 | | T7800-1016 | 1.38 | 35 | 2.64 | 67 |
| | | | | 15/16 | 24 | 1.3/16 | 30 | T7801-1016 | | | | |
| 19 | 3/4 | 1 | -1216 | 1.1/16 | 27 | 1.1/8 | | T7800-1216 | 1.54 | 39 | 2.76 | 70 |
| | | | | 1.1/16 | 27 | 1.3/16 | 30 | T7801-1216 | | | | |
| 19 | 3/4 | 1.3/16 | -1219 | 1.1/16 | 27 | 1.3/8 | | T7800-1219 | 1.65 | 42 | 2.87 | 73 |
| | | | | 1.1/16 | 27 | | 36 | T7801-1219 | | | | |
| 19 | 3/4 | 1.7/16 | -1223 | 1.1/16 | 27 | 1.5/8 | 41 | T7800-1223 | 1.65 | 42 | 2.87 | 73 |
| 25 | 1 | 1.7/16 | -1623 | 1.1/4 | 32 | 1.5/8 | 41 | T7800-1623 | 1.61 | 41 | 3.31 | 84 |
| 25 | 1 | 1.11/16 | -1627 | 1.1/4 | 32 | 2 | 50 | T7800-1627 | 1.73 | 44 | 3.43 | 87 |
| 31 | 1.1/4 | 1.7/16 | -2023 | 1.5/8 | 41 | 1.5/8 | 41 | T7800-2023 | 2.13 | 54 | 4.13 | 105 |
| 31 | 1.1/4 | 1.11/16 | -2027 | 1.5/8 | 41 | 2 | 50 | T7800-2027 | 1.89 | 48 | 3.90 | 99 |
| 38 | 1.1/2 | 2 | -2432 | 2 | 50 | 2.1/4 | 57 | T7800-2432 | 2.32 | 59 | 4.53 | 115 |

NOTE: Hose Compatibility for the T7000 series can be found on page 274.

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-------------|----------------------|----------------------|
| ORFS | T7810 - T7811 | T7823 - T7824 |
|-------------|----------------------|----------------------|

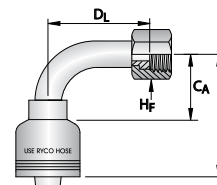
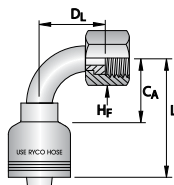
**O RING
FACE SEAL**



| HOSE SIZE | | | THRD SIZE | DASH SIZE | FEMALE HEX | ORFS FEMALE 45° TUBE BEND | | | | | | ORFS FEMALE 90° SHORT BEND | | | | | | |
|-----------|-------|---------|-----------|------------|-------------------|---------------------------|----------|---------|---------|---------|--|----------------------------|-------------------|----------|---------|---------|---------|--|
| DN | inch | inch | | HF-SPANNER | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | inch mm | | inch mm | inch mm | inch mm | inch mm | inch mm | | inch mm | inch mm | inch mm | inch mm | inch mm | inch mm | |
| 10 | 3/8 | 11/16 | -0611 | 7/8 22 | T7810-0611 | 1.77 45 | 2.91 74 | 0.79 20 | | | | | | | | | | |
| 10 | 3/8 | 13/16 | -0613 | 15/16 24 | T7810-0613 | 1.57 40 | 2.76 70 | 0.67 17 | | | | | | | | | | |
| 12 | 1/2 | 13/16 | -0813 | 15/16 24 | T7810-0813 | 1.93 49 | 2.99 76 | 0.75 19 | | | | | | | | | | |
| 12 | 1/2 | 1 | -0816 | 1.1/8 | T7810-0816 | 1.89 48 | 2.99 76 | 0.75 19 | | | | | | | | | | |
| | | | | 1.3/16 30 | T7811-0816 | | | | | | | | | | | | | |
| 16 | 5/8 | 1 | -1016 | 1.1/8 | T7810-1016 | 2.32 59 | 3.62 92 | 0.79 20 | | | | | | | | | | |
| | | | | 1.3/16 30 | T7811-1016 | | | | | | | | | | | | | |
| 19 | 3/4 | 1.3/16 | -1219 | 1.3/8 | T7810-1219 | 3.11 79 | 4.33 110 | 1.14 29 | | | | T7823-1219 | 2.32 59 | 3.54 90 | 1.89 48 | | | |
| | | | | 36 | T7810-1219 | | | | | | | | T7824-1219 | | | | | |
| 19 | 3/4 | 1.7/16 | -1223 | 1.5/8 41 | T7810-1223 | 3.03 77 | 4.25 108 | 1.02 26 | | | | | | | | | | |
| 25 | 1 | 1.7/16 | -1623 | 1.5/8 41 | T7810-1623 | 3.39 86 | 5.08 129 | 1.34 34 | | | | T7823-1623 | 3.19 81 | 4.88 124 | 2.20 56 | | | |
| 25 | 1 | 1.11/16 | -1627 | 2 50 | T7810-1627 | 3.39 86 | 5.08 129 | 1.26 32 | | | | | | | | | | |
| 31 | 1.1/4 | 1.11/16 | -2027 | 2 50 | T7810-2027 | 4.02 102 | 6.02 153 | 1.77 45 | | | | T7823-2027 | 3.94 100 | 5.94 151 | 2.52 64 | | | |
| 38 | 1.1/2 | 2 | -2432 | 2.1/4 57 | T7810-2432 | 5.16 131 | 7.36 187 | 2.09 53 | | | | | | | | | | |

| | | |
|-------------|----------------------|----------------------|
| ORFS | T7820 - T7821 | T7830 - T7831 |
|-------------|----------------------|----------------------|

**O RING
FACE SEAL**



| HOSE SIZE | | | THRD SIZE | DASH SIZE | FEMALE HEX | ORFS FEMALE 90° MEDIUM BEND | | | | | | ORFS FEMALE 90° LONG BEND | | | | | | |
|-----------|-------|---------|-----------|------------|-------------------|-----------------------------|----------|----------|---------|---------|--|---------------------------|-------------------|----------|----------|---------|---------|--|
| DN | inch | inch | | HF-SPANNER | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | inch mm | | inch mm | inch mm | inch mm | inch mm | inch mm | | inch mm | inch mm | inch mm | inch mm | inch mm | inch mm | |
| 10 | 3/8 | 11/16 | -0611 | 7/8 22 | T7820-0611 | 1.38 35 | 2.56 65 | 1.50 38 | | | | T7830-0611 | 1.38 35 | 2.56 65 | 2.17 55 | | | |
| 10 | 3/8 | 13/16 | -0613 | 15/16 24 | T7820-0613 | 1.50 38 | 2.68 68 | 1.34 34 | | | | | | | | | | |
| 12 | 1/2 | 13/16 | -0813 | 15/16 24 | T7820-0813 | 1.61 41 | 2.72 69 | 1.61 41 | | | | T7830-0813 | 1.69 43 | 2.80 71 | 2.56 65 | | | |
| 12 | 1/2 | 1 | -0816 | 1.1/8 | T7820-0816 | 1.61 41 | 2.72 69 | 1.85 47 | | | | | | | | | | |
| | | | | 1.3/16 30 | T7821-0816 | | | | | | | | | | | | | |
| 12 | 1/2 | 1.3/16 | -0819 | 1.3/8 | T7820-0819 | 1.61 41 | 2.72 69 | 2.28 58 | | | | | | | | | | |
| | | | | 36 | T7821-0819 | | | | | | | | | | | | | |
| 16 | 5/8 | 1 | -1016 | 1.1/8 | T7820-1016 | 1.77 45 | 3.07 78 | 1.85 47 | | | | | | | | | | |
| | | | | 1.3/16 30 | T7821-1016 | | | | | | | | | | | | | |
| 19 | 3/4 | 1 | -1216 | 1.1/8 | T7820-1216 | 2.17 55 | 3.39 86 | 1.85 47 | | | | | | | | | | |
| | | | | 1.3/16 30 | T7821-1216 | | | | | | | | | | | | | |
| 19 | 3/4 | 1.3/16 | -1219 | 1.3/8 | T7820-1219 | 2.32 59 | 3.54 90 | 2.32 59 | | | | T7830-1219 | 2.32 59 | 3.54 90 | 3.78 96 | | | |
| | | | | 36 | T7821-1219 | | | | | | | | T7831-1219 | | | | | |
| 19 | 3/4 | 1.7/16 | -1223 | 1.5/8 41 | T7820-1223 | 2.32 59 | 3.54 90 | 2.09 53 | | | | | | | | | | |
| 25 | 1 | 1.7/16 | -1623 | 1.5/8 41 | T7820-1623 | 2.72 69 | 4.41 112 | 2.80 71 | | | | T7830-1623 | 2.91 74 | 4.61 117 | 4.45 113 | | | |
| 31 | 1.1/4 | 1.11/16 | -2027 | 2 50 | T7820-2027 | 3.94 100 | 5.94 151 | 3.54 90 | | | | T7830-2027 | 3.94 100 | 5.94 151 | 5.08 129 | | | |
| 38 | 1.1/2 | 2 | -2432 | 2.1/4 57 | T7820-2432 | 4.17 106 | 6.38 162 | 4.21 107 | | | | | | | | | | |

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

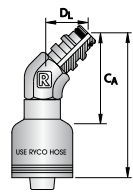
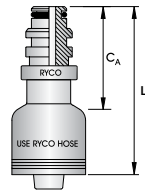
TECHNICAL

COUPLINGS

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|----------------|--------------|--------------|
| RYCOLOK | T7870 | T7871 |
|----------------|--------------|--------------|

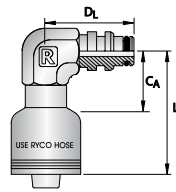
STAPLE
O RING & BACK UP
RING SUPPLIED



| HOSE SIZE | | STAPLE SIZE | DASH SIZE | RYCOLOK MALE | | | | RYCOLOK MALE 45° ELBOW | | | | | | | | | | |
|-----------|-------|-------------|-----------|-------------------|------|------|------|------------------------|----|-------------------|------|------|------|------|------|------|----|--|
| DN | inch | mm | | PART NO | | CA | | L | | PART NO | | CA | | L | | DL | | |
| | | | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | |
| 10 | 3/8 | 10 | -0610 | T7870-0610 | 1.81 | 46 | 2.99 | 76 | | T7871-0610 | 2.09 | 53 | 3.07 | 78 | 1.06 | 27 | | |
| 12 | 1/2 | 12 | -0812 | T7870-0812 | 1.93 | 49 | 2.99 | 76 | | T7871-0812 | 2.17 | 55 | 3.27 | 83 | 1.10 | 28 | | |
| 16 | 5/8 | 16 | -1016 | T7870-1016 | 1.73 | 44 | 3.03 | 77 | | | | | | | | | | |
| 19 | 3/4 | 20 | -1220 | T7870-1220 | 1.89 | 48 | 3.11 | 79 | | T7871-1220 | 2.60 | 66 | 3.82 | 97 | 1.30 | 33 | | |
| 25 | 1 | 25 | -1625 | T7870-1625 | 2.28 | 58 | 3.98 | 101 | | T7871-1625 | 2.76 | 70 | 4.45 | 113 | 1.46 | 37 | | |
| 31 | 1.1/4 | 32 | -2032 | T7870-2032 | 2.32 | 59 | 4.33 | 110 | | T7871-2032 | 2.95 | 75 | 4.96 | 126 | 1.46 | 37 | | |
| 38 | 1.1/2 | 40 | -2440 | T7870-2440 | 2.36 | 60 | 4.57 | 116 | | T7871-2440 | 3.23 | 82 | 5.43 | 138 | 1.73 | 44 | | |
| 51 | 2 | 50 | -3250 | T7870-3250 | 2.28 | 58 | 4.72 | 120 | | T7871-3250 | 3.43 | 87 | 5.91 | 150 | 1.81 | 46 | | |
| 63 | 2.1/2 | 63 | -4063 | T7870-4063 | 3.54 | 90 | 6.57 | 167 | | | | | | | | | | |

| | |
|----------------|--------------|
| RYCOLOK | T7872 |
|----------------|--------------|

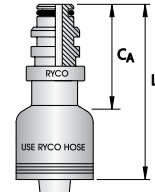
STAPLE
O RING & BACK UP
RING SUPPLIED



| HOSE SIZE | | STAPLE SIZE | DASH SIZE | RYCOLOK MALE 90° ELBOW | | | | | | | |
|-----------|-------|-------------|-----------|------------------------|------|------|------|------|------|------|----|
| DN | inch | mm | | PART NO | | CA | | L | | DL | |
| | | | | inch | mm | inch | mm | inch | mm | inch | mm |
| 10 | 3/8 | 10 | -0610 | T7872-0610 | 1.22 | 31 | 2.36 | 60 | 1.81 | 46 | |
| 12 | 1/2 | 12 | -0812 | T7872-0812 | 1.54 | 39 | 2.64 | 67 | 1.97 | 50 | |
| 16 | 5/8 | 16 | -1016 | T7872-1016 | 2.76 | 70 | 4.06 | 103 | 2.05 | 52 | |
| 19 | 3/4 | 20 | -1220 | T7872-1220 | 1.73 | 44 | 2.95 | 75 | 2.20 | 56 | |
| 25 | 1 | 25 | -1625 | T7872-1625 | 2.05 | 52 | 3.74 | 95 | 2.68 | 68 | |
| 31 | 1.1/4 | 32 | -2032 | T7872-2032 | 2.36 | 60 | 4.37 | 111 | 2.68 | 68 | |
| 38 | 1.1/2 | 40 | -2440 | T7872-2440 | 2.40 | 61 | 4.61 | 117 | 3.35 | 85 | |

| | |
|-----------------|--------------|
| SUPERLOK | T7876 |
|-----------------|--------------|

SUPERSTAPLE
O RING & BACK UP
RING SUPPLIED



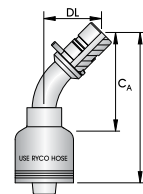
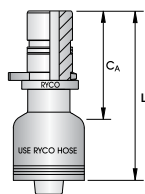
| HOSE SIZE | | STAPLE SIZE | DASH SIZE | SUPERLOK MALE | | | | | |
|-----------|-------|-------------|-----------|-------------------|------|------|------|------|----|
| DN | inch | mm | | PART NO | | CA | | L | |
| | | | | inch | mm | inch | mm | inch | mm |
| 12 | 1/2 | 12 | -0812 | T7876-0812 | 2.09 | 53 | 3.19 | 81 | |
| 19 | 3/4 | 20 | -1220 | T7876-1220 | 2.24 | 57 | 3.46 | 88 | |
| 25 | 1 | 25 | -1625 | T7876-1625 | 2.95 | 75 | 4.65 | 118 | |
| 31 | 1.1/4 | 32 | -2032 | T7876-2032 | 3.15 | 80 | 5.16 | 131 | |
| 38 | 1.1/2 | 40 | -2440 | T7876-2440 | 3.07 | 78 | 5.31 | 135 | |
| 51 | 2 | 50 | -3250 | T7876-3250 | 3.11 | 79 | 5.55 | 141 | |

NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-----------------|--------------|--------------|
| RYCO WEO | T7480 | T7482 |
|-----------------|--------------|--------------|

WEO

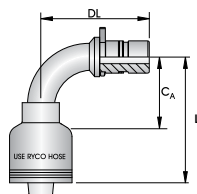


| HOSE SIZE | | PLUG-IN SIZE | | MAX WORKING PRESSURE | | RYCO WEO MALE | | | | RYCO WEO MALE 45° TUBE BEND | | | | | | | | |
|-----------|------|--------------|----|----------------------|-----|---------------|-------------------|------|----|-----------------------------|-----|-------------------|------|-----|------|-----|------|----|
| DN | dash | inch | DN | inch | bar | psi | PART NO | CA | | L | | PART NO | CA | | L | | DL | |
| | | | | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 10 | -06 | 3/8 | 10 | 3/8 | 350 | 5100 | T7480-0606 | 1.69 | 43 | 2.83 | 72 | T7482-0606 | 2.17 | 55 | 3.35 | 85 | 1.06 | 27 |
| 12 | -08 | 1/2 | 12 | 1/2 | 350 | 5100 | T7480-0808 | 1.73 | 44 | 2.80 | 71 | T7482-0808 | 2.32 | 59 | 3.43 | 87 | 1.22 | 31 |
| 16 | -12 | 5/8 | 16 | 3/4 | 350 | 5100 | T7480-1012 | 1.97 | 50 | 3.27 | 83 | T7482-1012 | 2.83 | 72 | 4.13 | 105 | 1.57 | 40 |
| 19 | -12 | 3/4 | 19 | 3/4 | 350 | 5100 | T7480-1212 | 2.13 | 54 | 3.35 | 85 | T7482-1212 | 3.23 | 82 | 4.45 | 113 | 1.69 | 43 |
| 25 | -16 | 1 | 25 | 1 | 250 | 3600 | T7480-1616 | 2.52 | 64 | 4.21 | 107 | T7482-1616 | 4.13 | 105 | 5.83 | 148 | 2.09 | 53 |

NOTE: RYCO WEO male and female couplings and adaptors do not contain a shut-off valve. When not in use, cap the RYCO WEO male using the appropriate size RW811 series stop cap and plug the RYCO WEO female/cartridge using the appropriate size RW723 series stop plug.

| | |
|-----------------|--------------|
| RYCO WEO | T7483 |
|-----------------|--------------|

WEO



| HOSE SIZE | | PLUG-IN SIZE | | MAX WORKING PRESSURE | | RYCO WEO MALE 90° TUBE BEND | | | | | | | |
|-----------|------|--------------|----|----------------------|-----|-----------------------------|-------------------|------|----|------|-----|------|-----|
| DN | dash | inch | DN | inch | mm | bar | PART NO | CA | | L | | DL | |
| | | | | | | | | inch | mm | inch | mm | inch | mm |
| 10 | -06 | 3/8 | 10 | 3/8 | 350 | 5100 | T7483-0606 | 1.38 | 35 | 2.56 | 65 | 2.05 | 52 |
| 12 | -08 | 1/2 | 12 | 1/2 | 350 | 5100 | T7483-0808 | 1.50 | 38 | 2.60 | 66 | 2.28 | 58 |
| 16 | -12 | 3/4 | 19 | 3/4 | 350 | 5100 | T7483-1012 | 1.89 | 48 | 3.19 | 81 | 2.80 | 71 |
| 19 | -12 | 3/4 | 19 | 3/4 | 350 | 5100 | T7483-1212 | 2.32 | 59 | 3.54 | 90 | 3.23 | 82 |
| 25 | -16 | 1 | 25 | 1 | 250 | 3600 | T7483-1616 | 2.83 | 72 | 4.53 | 115 | 3.94 | 100 |

NOTE: RYCO WEO male and female couplings and adaptors do not contain a shut-off valve. When not in use, cap the RYCO WEO male using the appropriate size RW811 series stop cap and plug the RYCO WEO female/cartridge using the appropriate size RW723 series stop plug.

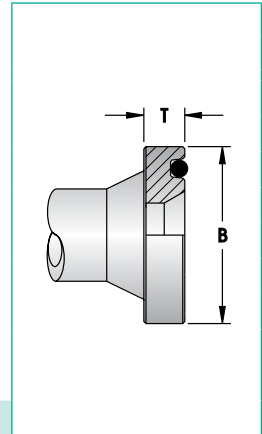
NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

COUPLINGS

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

DIMENSIONS FOR SAE CODE 61 AND CODE 62 FLANGES, AND RYCO CODE 62C FLANGES

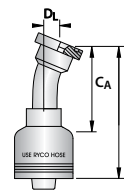
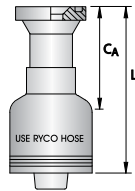
| NOMINAL FLANGE | CODE 61 | | | | CODE 62 | | | | CODE 62C | | | | |
|----------------|---------|------|------|-------|---------|------|-------|-------|----------|------|-------|-------|----|
| | B | | T | | B | | T | | B | | T | | |
| inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 1/2 | 30,2 | 1.19 | 6,73 | 0.265 | 31,8 | 1.25 | 7,75 | 0.305 | | | | | |
| 5/8 | 34,0 | 1.34 | 6,73 | 0.265 | | | | | | | | | |
| 3/4 | 38,1 | 1.50 | 6,73 | 0.265 | 41,3 | 1.63 | 8,76 | 0.345 | 41,3 | 1.63 | 14,20 | 0.559 | |
| 1 | 44,5 | 1.75 | 8,00 | 0.315 | 47,6 | 1.88 | 9,53 | 0.375 | 47,6 | 1.88 | 14,20 | 0.559 | |
| 1.1/4 | 50,8 | 2.00 | 8,00 | 0.315 | 54,0 | 2.12 | 10,29 | 0.405 | 54,0 | 2.12 | 14,20 | 0.559 | |
| 1.1/2 | 60,3 | 2.38 | 8,00 | 0.315 | 63,5 | 2.50 | 12,57 | 0.495 | 63,5 | 2.50 | 14,20 | 0.559 | |
| 2 | 71,4 | 2.81 | 9,53 | 0.375 | 79,4 | 3.13 | 12,57 | 0.495 | 79,4 | 3.13 | 14,20 | 0.559 | |
| 2.1/2 | 84,1 | 3.31 | 9,53 | 0.375 | | | | | | | | | |
| 3 | 101,6 | 4.00 | 9,53 | 0.375 | | | | | | | | | |



NOTE: RYCO Code 62C fittings conform to the flange OD and bolt hole patterns of SAE Code 62 but require special flange clamps. RYCO Code 62C flange heads are thicker than SAE Code 62 and measure T = 14,2 mm (0.559 inch) in all sizes.

| SAE FLANGE | T7130 | T7140 |
|------------|-------|-------|
|------------|-------|-------|

RYCO CODE 61 CLAMPS - SEE PAGES 442 & 443
O RING NOT SUPPLIED



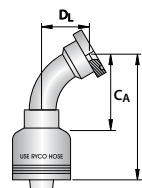
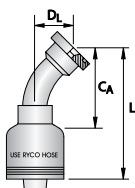
| HOSE SIZE | NOM. FLANGE SIZE | DASH SIZE | CODE 61 FLANGE | | | | CODE 61 FLANGE 22.5° TUBE BEND | | | | | | | | | |
|-----------|------------------|-----------|----------------|-------------------|------|-----|--------------------------------|-----|-------------------|------|------|------|------|------|------|----|
| | | | PART NO | | CA | | L | | PART NO | | CA | | L | | DL | |
| DN | inch | inch | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 12 | 1/2 | 1/2 | -0808 | T7130-0808 | 1.77 | 45 | 2.83 | 72 | | | | | | | | |
| 12 | 1/2 | 3/4 | -0812 | T7130-0812 | 1.89 | 48 | 2.95 | 75 | | | | | | | | |
| 19 | 3/4 | 5/8 | -1210 | T7130-1210 | 1.77 | 45 | 2.99 | 76 | | | | | | | | |
| 19 | 3/4 | 3/4 | -1212 | T7130-1212 | 1.81 | 46 | 3.03 | 77 | T7140-1212 | 2.83 | 72 | 4.06 | 103 | 0.47 | 12 | |
| 19 | 3/4 | 1 | -1216 | T7130-1216 | 1.97 | 50 | 3.19 | 81 | T7140-1216 | 2.95 | 75 | 4.17 | 106 | 0.59 | 15 | |
| 19 | 3/4 | 1.1/4 | -1220 | T7130-1220 | 2.24 | 57 | 3.46 | 88 | | | | | | | | |
| 25 | 1 | 1 | -1616 | T7130-1616 | 2.05 | 52 | 3.74 | 95 | T7140-1616 | 3.43 | 87 | 5.12 | 130 | 0.55 | 14 | |
| 25 | 1 | 1.1/4 | -1620 | T7130-1620 | 2.24 | 57 | 3.94 | 100 | T7140-1620 | 3.43 | 87 | 5.12 | 130 | 0.51 | 13 | |
| 25 | 1 | 1.1/2 | -1624 | T7130-1624 | 3.31 | 84 | 5.00 | 127 | | | | | | | | |
| 31 | 1.1/4 | 1 | -2016 | T7130-2016 | 2.13 | 54 | 4.13 | 105 | | | | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T7130-2020 | 2.32 | 59 | 4.33 | 110 | T7140-2020 | 4.17 | 106 | 6.18 | 157 | 0.63 | 16 | |
| 31 | 1.1/4 | 1.1/2 | -2024 | T7130-2024 | 3.35 | 85 | 5.35 | 136 | T7140-2024 | 4.29 | 109 | 6.30 | 160 | 0.79 | 20 | |
| 38 | 1.1/2 | 1.1/4 | -2420 | T7130-2420 | 2.36 | 60 | 4.57 | 116 | | | | | | | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | T7130-2424 | 3.35 | 85 | 5.59 | 142 | T7140-2424 | 4.65 | 118 | 6.85 | 174 | 0.94 | 24 | |
| 38 | 1.1/2 | 2 | -2432 | T7130-2432 | 3.74 | 95 | 5.98 | 152 | T7140-2432 | 5.28 | 134 | 7.48 | 190 | 1.06 | 27 | |
| 51 | 2 | 2 | -3232 | T7130-3232 | 3.78 | 96 | 6.22 | 158 | T7140-3232 | 6.38 | 162 | 8.86 | 225 | 0.98 | 25 | |
| 51 | 2 | 2.1/2 | -3240 | T7130-3240 | 3.98 | 101 | 6.42 | 163 | | | | | | | | |
| 63 | 2.1/2 | 2.1/2 | -4040 | T7130-4040 | 3.11 | 79 | 6.14 | 156 | | | | | | | | |

NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| SAE FLANGE | T7150 | T7300 |
|------------|-------|-------|
|------------|-------|-------|

RYCO
CODE 61
CLAMPS - SEE PAGES
442 & 443
O RING NOT SUPPLIED



| HOSE SIZE | | NOM. FLANGE SIZE | DASH SIZE | CODE 61 FLANGE 45° TUBE BEND | | | | | | | CODE 61 FLANGE 60° TUBE BEND | | | | | | |
|-----------|-------|------------------|-----------|------------------------------|------|-----|------|-----|------|----|------------------------------|------|-----|------|-----|------|----|
| DN | inch | inch | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 12 | 1/2 | 1/2 | -0808 | T7150-0808 | 1.93 | 49 | 3.03 | 77 | 0.79 | 20 | | | | | | | |
| 12 | 1/2 | 3/4 | -0812 | T7150-0812 | 2.01 | 51 | 3.07 | 78 | 0.94 | 24 | | | | | | | |
| 19 | 3/4 | 5/8 | -1210 | T7150-1210 | 2.32 | 59 | 3.54 | 90 | 1.02 | 26 | | | | | | | |
| 19 | 3/4 | 3/4 | -1212 | T7150-1212 | 2.56 | 65 | 3.78 | 96 | 1.02 | 26 | T7300-1212 | 3.07 | 78 | 4.29 | 109 | 1.46 | 37 |
| 19 | 3/4 | 1 | -1216 | T7150-1216 | 2.68 | 68 | 3.90 | 99 | 1.18 | 30 | T7300-1216 | 3.15 | 80 | 4.37 | 111 | 1.61 | 41 |
| 25 | 1 | 1 | -1616 | T7150-1616 | 3.19 | 81 | 4.88 | 124 | 1.18 | 30 | T7300-1616 | 3.74 | 95 | 5.43 | 138 | 1.77 | 45 |
| 25 | 1 | 1.1/4 | -1620 | T7150-1620 | 3.27 | 83 | 4.96 | 126 | 1.26 | 32 | T7300-1620 | 3.82 | 97 | 5.51 | 140 | 1.77 | 45 |
| 31 | 1.1/4 | 1 | -2016 | T7150-2016 | 3.46 | 88 | 5.47 | 139 | 1.18 | 30 | | | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T7150-2020 | 3.94 | 100 | 5.94 | 151 | 1.42 | 36 | T7300-2020 | 4.45 | 113 | 6.50 | 165 | 2.01 | 51 |
| 31 | 1.1/4 | 1.1/2 | -2024 | T7150-2024 | 4.06 | 103 | 6.06 | 154 | 1.57 | 40 | T7300-2024 | 4.76 | 121 | 6.81 | 173 | 2.13 | 54 |
| 38 | 1.1/2 | 1.1/2 | -2424 | T7150-2424 | 4.33 | 110 | 6.54 | 166 | 1.65 | 42 | T7300-2424 | 5.67 | 144 | 7.87 | 200 | 2.36 | 60 |
| 38 | 1.1/2 | 2 | -2432 | T7150-2432 | 4.72 | 120 | 6.93 | 176 | 1.85 | 47 | T7300-2432 | 5.79 | 147 | 7.99 | 203 | 2.68 | 68 |
| 51 | 2 | 2 | -3232 | T7150-3232 | 5.91 | 150 | 8.39 | 213 | 2.28 | 58 | T7300-3232 | 6.65 | 169 | 9.13 | 232 | 3.66 | 93 |

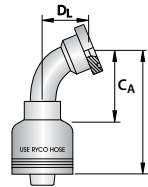
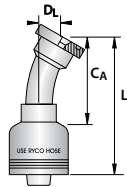
NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

COUPLINGS

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| SAE FLANGE | T7290 | T7160 |
|------------|-------|-------|
|------------|-------|-------|

RYCO
CODE 61
CLAMPS - SEE PAGES
442 & 443
O RING NOT SUPPLIED



| HOSE SIZE | | NOM. FLANGE SIZE | DASH SIZE | CODE 61 FLANGE 30° TUBE BEND | | | | | | CODE 61 FLANGE 67.5° TUBE BEND | | | | | | | |
|-----------|-------|------------------|-----------|------------------------------|------|-----|------|-----|------|--------------------------------|-------------------|------|-----|------|-----|------|----|
| DN | inch | inch | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | T7290-1212 | 2.76 | 70 | 3.98 | 101 | 0.71 | 18 | T7160-1212 | 2.83 | 72 | 4.06 | 103 | 1.77 | 45 |
| 19 | 3/4 | 1 | -1216 | | | | | | | | T7160-1216 | 2.87 | 73 | 4.09 | 104 | 1.93 | 49 |
| 25 | 1 | 1 | -1616 | T7290-1616 | 3.35 | 85 | 5.04 | 128 | 0.71 | 18 | T7160-1616 | 3.46 | 88 | 5.16 | 131 | 1.93 | 49 |
| 25 | 1 | 1.1/4 | -1620 | | | | | | | | T7160-1620 | 3.46 | 88 | 5.16 | 131 | 2.05 | 52 |
| 31 | 1.1/4 | 1.1/4 | -2020 | T7290-2020 | 4.09 | 104 | 6.14 | 156 | 0.79 | 20 | T7160-2020 | 3.98 | 101 | 5.98 | 152 | 2.64 | 67 |
| 31 | 1.1/4 | 1.1/2 | -2024 | T7290-2024 | 4.37 | 111 | 6.38 | 162 | 0.94 | 24 | T7160-2024 | 4.29 | 109 | 6.30 | 160 | 2.52 | 64 |
| 38 | 1.1/2 | 1.1/2 | -2424 | T7290-2424 | 4.65 | 118 | 6.85 | 174 | 1.02 | 26 | T7160-2424 | 5.28 | 134 | 7.48 | 190 | 2.76 | 70 |
| 38 | 1.1/2 | 2 | -2432 | T7290-2432 | 5.12 | 130 | 7.32 | 186 | 1.26 | 32 | T7160-2432 | 5.28 | 134 | 7.48 | 190 | 3.11 | 79 |
| 51 | 2 | 2 | -3232 | T7290-3232 | 6.14 | 156 | 8.62 | 219 | 1.57 | 40 | T7160-3232 | 6.61 | 168 | 9.09 | 231 | 3.74 | 95 |

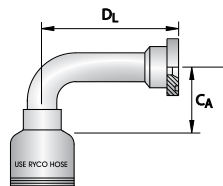
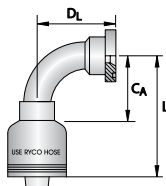
NOTE: For SAE Code 61/62 and RYCO Code 62C Flange dimensions, see page 292.

NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-------------------|--------------|--------------|
| SAE FLANGE | T7170 | T7171 |
|-------------------|--------------|--------------|

**RYCO
CODE 61
CLAMPS - SEE PAGES
442 & 443
O RING NOT SUPPLIED**



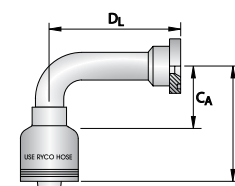
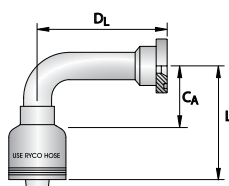
| HOSE SIZE | NOM. FLANGE SIZE | DASH SIZE | CODE 61 FLANGE 90° TUBE BEND | | | | | | | | CODE 61 FLANGE 90° SPECIAL TUBE BEND | | | | | | | |
|-----------|------------------|-----------|------------------------------|--|----|--|---|--|----|--|--------------------------------------|--|----|--|---|--|----|--|
| | | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | |

| DN | inch | inch | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | |
|----|-------|-------|-------|-------------------|------|------|------|------|------|------|-------------------|---------|-----|------|-----|------|-----|------|----|
| | | | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 12 | 1/2 | 1/2 | -0808 | T7170-0808 | 1.57 | 40 | 2.68 | 68 | 1.61 | 41 | | | | | | | | | |
| 12 | 1/2 | 3/4 | -0812 | T7170-0812 | 1.57 | 40 | 2.64 | 67 | 1.81 | 46 | T7171-0812 | 2.01 | 51 | 3.11 | 79 | 2.87 | 73 | | |
| 19 | 3/4 | 5/8 | -1210 | T7170-1210 | 2.01 | 51 | 3.23 | 82 | 1.89 | 48 | | | | | | | | | |
| 19 | 3/4 | 3/4 | -1212 | T7170-1212 | 2.17 | 55 | 3.39 | 86 | 2.13 | 54 | | | | | | | | | |
| 19 | 3/4 | 1 | -1216 | T7170-1216 | 2.17 | 55 | 3.39 | 86 | 2.36 | 60 | T7171-1216 | 2.32 | 59 | 3.54 | 90 | 3.11 | 79 | | |
| 25 | 1 | 3/4 | -1612 | T7170-1612 | 2.36 | 60 | 4.06 | 103 | 2.13 | 54 | | | | | | | | | |
| 25 | 1 | 1 | -1616 | T7170-1616 | 2.83 | 72 | 4.53 | 115 | 2.68 | 68 | | | | | | | | | |
| 25 | 1 | 1.1/4 | -1620 | T7170-1620 | 2.83 | 72 | 4.53 | 115 | 2.72 | 69 | | | | | | | | | |
| 25 | 1 | 1.1/2 | -1624 | T7170-1624 | 2.83 | 72 | 4.53 | 115 | 2.87 | 73 | | | | | | | | | |
| 31 | 1.1/4 | 1 | -2016 | T7170-2016 | 3.15 | 80 | 5.16 | 131 | 2.68 | 68 | | | | | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T7170-2020 | 3.94 | 100 | 5.94 | 151 | 3.07 | 78 | | | | | | | | | |
| 31 | 1.1/4 | 1.1/2 | -2024 | T7170-2024 | 3.94 | 100 | 5.94 | 151 | 3.19 | 81 | T7171-2024 | 3.94 | 100 | 5.94 | 151 | 3.19 | 81 | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | T7170-2424 | 4.09 | 104 | 6.30 | 160 | 3.66 | 93 | | | | | | | | | |
| 38 | 1.1/2 | 2 | -2432 | T7170-2432 | 3.82 | 97 | 6.02 | 153 | 3.90 | 99 | T7171-2432 | 4.06 | 103 | 6.26 | 159 | 4.49 | 114 | | |
| 51 | 2 | 2 | -3232 | T7170-3232 | 5.39 | 137 | 7.87 | 200 | 5.12 | 130 | T7171-3232 | 5.43 | 138 | 7.91 | 201 | 6.50 | 165 | | |
| 51 | 2 | 2.1/2 | -3240 | T7170-3240 | 5.55 | 141 | 8.03 | 204 | 5.28 | 134 | T7171-3240 | 5.55 | 141 | 8.03 | 204 | 4.49 | 114 | | |

NOTE: For SAE Code 61/62 and RYCO Code 62C Flange dimensions, see page 292.

| | | |
|-------------------|--------------|--------------|
| SAE FLANGE | T7172 | T7173 |
|-------------------|--------------|--------------|

**RYCO
CODE 61
CLAMPS - SEE RYCO
ADAPTOR CATALOGUE
O RING NOT SUPPLIED**



| HOSE SIZE | NOM. FLANGE SIZE | DASH SIZE | CODE 61 FLANGE 90° SPECIAL TUBE BEND | | | | | | | | CODE 61 FLANGE 90° LONG TUBE BEND | | | | | | | |
|-----------|------------------|-----------|--------------------------------------|--|----|--|---|--|----|--|-----------------------------------|--|----|--|---|--|----|--|
| | | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | |

| DN | inch | inch | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | |
|----|-------|-------|-------|-------------------|------|------|------|------|------|------|-------------------|---------|-----|------|-----|------|-----|----|--|
| | | | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | | |
| 19 | 3/4 | 3/4 | -1212 | T7172-1212 | 2.32 | 59 | 3.54 | 90 | 3.74 | 95 | T7173-1212 | 2.32 | 59 | 3.54 | 90 | 3.07 | 78 | | |
| 25 | 1 | 1 | -1616 | T7172-1616 | 2.83 | 72 | 4.53 | 115 | 2.64 | 67 | T7173-1616 | 2.83 | 72 | 4.53 | 115 | 3.70 | 94 | | |
| 25 | 1 | 1.1/4 | -1620 | | | | | | | | T7173-1620 | 2.83 | 72 | 4.53 | 115 | 3.66 | 93 | | |
| 25 | 1 | 1.1/2 | -1624 | T7172-1624 | 2.83 | 72 | 4.53 | 115 | 4.25 | 108 | | | | | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T7172-2020 | 3.94 | 100 | 5.94 | 151 | 3.62 | 92 | T7173-2020 | 3.94 | 100 | 5.94 | 151 | 4.25 | 108 | | |
| 31 | 1.1/4 | 1.1/2 | -2024 | T7172-2024 | 3.94 | 100 | 5.94 | 151 | 4.65 | 118 | | | | | | | | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | T7172-2424 | 4.06 | 103 | 6.26 | 159 | 5.83 | 148 | | | | | | | | | |

NOTE: For SAE Code 61/62 and RYCO Code 62C Flange dimensions, see page 292.

NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

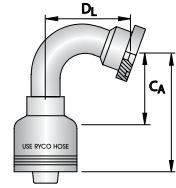
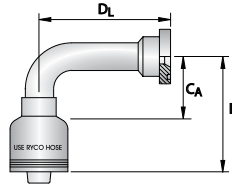
TECHNICAL

COUPLINGS

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-------------------|--------------|--------------|
| SAE FLANGE | T7174 | T7910 |
|-------------------|--------------|--------------|

**RYCO
CODE 61
CLAMPS - SEE RYCO
ADAPTOR CATALOGUE
O RING NOT SUPPLIED**

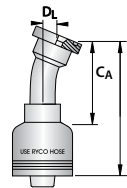
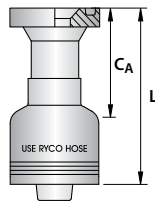


| HOSE SIZE | NOM. FLANGE SIZE | DASH SIZE | CODE 61 FLANGE 90° SPECIAL TUBE BEND | | | | | | CODE 61 FLANGE 110° TUBE BEND | | | | | | | | |
|-----------|------------------|-----------|--------------------------------------|-------------------|------|------|------|------|-------------------------------|-----|-------------------|------|------|------|------|------|-----|
| | | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL |
| DN | inch | inch | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm | |
| 19 | 3/4 | 3/4 | -1212 | T7174-1212 | 2.32 | 59 | 3.54 | 90 | 3.78 | 96 | T7910-1212 | 2.87 | 73 | 4.06 | 103 | 2.64 | 67 |
| 25 | 1 | 1 | -1616 | T7174-1616 | 2.83 | 72 | 4.53 | 115 | 4.65 | 118 | T7910-1616 | 3.23 | 82 | 4.92 | 125 | 3.15 | 80 |
| 25 | 1 | 1.1/4 | -1620 | T7174-1620 | 2.83 | 72 | 4.53 | 115 | 4.65 | 118 | T7910-1620 | 3.23 | 82 | 4.92 | 125 | 3.35 | 85 |
| 31 | 1.1/4 | 1.1/4 | -2020 | T7174-2020 | 3.94 | 100 | 5.94 | 151 | 5.12 | 130 | T7910-2020 | 3.54 | 90 | 5.55 | 141 | 3.74 | 95 |
| 31 | 1.1/4 | 1.1/2 | -2024 | | | | | | | | T7910-2024 | 3.54 | 90 | 5.55 | 141 | 3.86 | 98 |
| 38 | 1.1/2 | 1.1/2 | -2424 | T7174-2424 | 3.86 | 98 | 6.06 | 154 | 5.83 | 148 | T7910-2424 | 5.83 | 148 | 8.03 | 204 | 4.57 | 116 |
| 38 | 1.1/2 | 2 | -2432 | T7174-2432 | 4.09 | 104 | 6.30 | 160 | 6.77 | 172 | T7910-2432 | 5.87 | 149 | 8.07 | 205 | 4.84 | 123 |
| 51 | 2 | 2 | -3232 | T7174-3232 | 5.55 | 141 | 8.03 | 204 | 7.99 | 203 | T7910-3232 | 5.28 | 134 | 7.76 | 197 | 5.98 | 152 |

NOTE: For SAE Code 61/62 and RYCO Code 62C Flange dimensions, see page 292.

| | | |
|-------------------|--------------|--------------|
| SAE FLANGE | T7330 | T7440 |
|-------------------|--------------|--------------|

**RYCO
CODE 62
CLAMPS - SEE RYCO
ADAPTOR CATALOGUE
O RING NOT SUPPLIED**



| HOSE SIZE | NOM. FLANGE SIZE | DASH SIZE | CODE 62 FLANGE | | | | | | CODE 62 FLANGE 22.5° TUBE BEND | | | | | | |
|-----------|------------------|-----------|----------------|-------------------|------|------|------|-----|--------------------------------|------|------|------|------|------|----|
| | | | PART NO | | CA | | L | | PART NO | | CA | | L | | DL |
| DN | inch | inch | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm | |
| 12 | 1/2 | 1/2 | -0808 | T7330-0808 | 1.81 | 46 | 2.87 | 73 | | | | | | | |
| 12 | 1/2 | 3/4 | -0812 | T7330-0812 | 2.24 | 57 | 3.31 | 84 | | | | | | | |
| 16 | 5/8 | 1/2 | -1008 | T7330-1008 | 1.77 | 45 | 3.07 | 78 | | | | | | | |
| 16 | 5/8 | 3/4 | -1012 | T7330-1012 | 2.20 | 56 | 3.50 | 89 | | | | | | | |
| 19 | 3/4 | 3/4 | -1212 | T7330-1212 | 2.01 | 51 | 3.23 | 82 | T7440-1212 | 2.76 | 70 | 3.98 | 101 | 0.47 | 12 |
| 19 | 3/4 | 1 | -1216 | T7330-1216 | 2.13 | 54 | 3.35 | 85 | T7440-1216 | 3.07 | 78 | 4.29 | 109 | 0.55 | 14 |
| 25 | 1 | 3/4 | -1612 | T7330-1612 | 2.09 | 53 | 3.78 | 96 | | | | | | | |
| 25 | 1 | 1 | -1616 | T7330-1616 | 2.20 | 56 | 3.90 | 99 | T7440-1616 | 3.50 | 89 | 5.20 | 132 | 0.63 | 16 |
| 25 | 1 | 1.1/4 | -1620 | T7330-1620 | 2.64 | 67 | 4.33 | 110 | | | | | | | |
| 31 | 1.1/4 | 1 | -2016 | T7330-2016 | 2.76 | 70 | 4.76 | 121 | | | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T7330-2020 | 2.76 | 70 | 4.76 | 121 | T7440-2020 | 4.21 | 107 | 6.26 | 159 | 0.67 | 17 |
| 31 | 1.1/4 | 1.1/2 | -2024 | T7330-2024 | 3.90 | 99 | 5.91 | 150 | T7440-2024 | 4.57 | 116 | 6.57 | 167 | 0.87 | 22 |
| 38 | 1.1/2 | 1.1/2 | -2424 | T7330-2424 | 3.90 | 99 | 6.14 | 156 | T7440-2424 | 4.96 | 126 | 7.17 | 182 | 0.94 | 24 |
| 38 | 1.1/2 | 2 | -2432 | T7330-2432 | 4.61 | 117 | 6.85 | 174 | | | | | | | |
| 51 | 2 | 2 | -3232 | T7330-3232 | 4.65 | 118 | 7.09 | 180 | T7440-3232 | 6.38 | 162 | 8.86 | 225 | 1.10 | 28 |

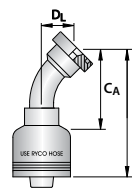
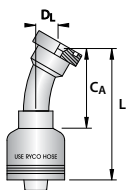
NOTE: For SAE Code 61/62 and RYCO Code 62C Flange dimensions, see page 292.

NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-------------------|--------------|--------------|
| SAE FLANGE | T7450 | T7350 |
|-------------------|--------------|--------------|

RYCO
CODE 62
CLAMPS - SEE RYCO
ADAPTOR CATALOGUE
O RING NOT SUPPLIED

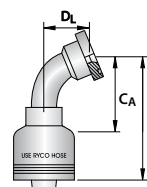
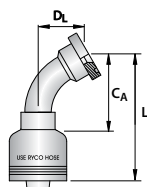


| HOSE SIZE | NOM. FLANGE SIZE | DASH SIZE | CODE 62 FLANGE 30° TUBE BEND | | | | | | | | CODE 62 FLANGE 45° TUBE BEND | | | | | | | | |
|-----------|------------------|-----------|------------------------------|-------------------|------|-----|------|-----|------|----|------------------------------|------|------|------|------|------|------|----|--|
| | | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | | |
| DN | inch | inch | | | inch | mm | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm | |
| 12 | 1/2 | 1/2 | -0808 | | | | | | | | T7350-0808 | 1.93 | 49 | 3.03 | 77 | 0.79 | 20 | | |
| 19 | 3/4 | 3/4 | -1212 | T7450-1212 | 2.87 | 73 | 4.09 | 104 | 0.75 | 19 | T7350-1212 | 2.60 | 66 | 3.82 | 97 | 1.10 | 28 | | |
| 19 | 3/4 | 1 | -1216 | | | | | | | | T7350-1216 | 2.76 | 70 | 3.98 | 101 | 1.22 | 31 | | |
| 25 | 1 | 3/4 | -1612 | | | | | | | | T7350-1612 | 2.95 | 75 | 4.65 | 118 | 1.10 | 28 | | |
| 25 | 1 | 1 | -1616 | T7450-1616 | 3.46 | 88 | 5.16 | 131 | 0.87 | 22 | T7350-1616 | 3.23 | 82 | 4.92 | 125 | 1.22 | 31 | | |
| 25 | 1 | 1.1/4 | -1620 | T7450-1620 | 3.54 | 90 | 5.24 | 133 | 0.87 | 22 | T7350-1620 | 3.35 | 85 | 5.04 | 128 | 1.34 | 34 | | |
| 31 | 1.1/4 | 1 | -2016 | | | | | | | | T7350-2016 | 3.50 | 89 | 5.51 | 140 | 1.26 | 32 | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T7450-2020 | 4.25 | 108 | 6.26 | 159 | 0.87 | 22 | T7350-2020 | 3.86 | 98 | 5.87 | 149 | 1.50 | 38 | | |
| 31 | 1.1/4 | 1.1/2 | -2024 | T7450-2024 | 4.41 | 112 | 6.42 | 163 | 0.98 | 25 | T7350-2024 | 4.02 | 102 | 6.02 | 153 | 1.61 | 41 | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | T7450-2424 | 4.88 | 124 | 7.09 | 180 | 1.30 | 33 | T7350-2424 | 4.45 | 113 | 6.65 | 169 | 1.73 | 44 | | |
| 38 | 1.1/2 | 2 | -2432 | | | | | | | | T7350-2432 | 4.72 | 120 | 6.93 | 176 | 2.13 | 54 | | |
| 51 | 2 | 2 | -3232 | | | | | | | | T7350-3232 | 5.98 | 152 | 8.46 | 215 | 2.36 | 60 | | |

NOTE: For SAE Code 61/62 and RYCO Code 62C Flange dimensions, see page 292.

| | | |
|-------------------|--------------|--------------|
| SAE FLANGE | T7460 | T7360 |
|-------------------|--------------|--------------|

RYCO
CODE 62
CLAMPS - SEE RYCO
ADAPTOR CATALOGUE
O RING NOT SUPPLIED



| HOSE SIZE | NOM. FLANGE SIZE | DASH SIZE | CODE 62 FLANGE 60° TUBE BEND | | | | | | | | CODE 62 FLANGE 67.5° TUBE BEND | | | | | | | | |
|-----------|------------------|-----------|------------------------------|-------------------|------|-----|------|-----|------|----|--------------------------------|------|------|------|------|------|------|----|--|
| | | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | | |
| DN | inch | inch | | | inch | mm | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm | |
| 19 | 3/4 | 3/4 | -1212 | T7460-1212 | 3.15 | 80 | 4.37 | 111 | 1.42 | 36 | T7360-1212 | 2.87 | 73 | 4.09 | 104 | 1.85 | 47 | | |
| 19 | 3/4 | 1 | -1216 | T7460-1216 | 3.23 | 82 | 4.45 | 113 | 1.65 | 42 | T7360-1216 | 2.91 | 74 | 4.13 | 105 | 1.89 | 48 | | |
| 25 | 1 | 1 | -1616 | T7460-1616 | 3.78 | 96 | 5.47 | 139 | 1.73 | 44 | T7360-1616 | 3.43 | 87 | 5.12 | 130 | 2.01 | 51 | | |
| 25 | 1 | 1.1/4 | -1620 | T7460-1620 | 3.82 | 97 | 5.51 | 140 | 1.81 | 46 | T7360-1620 | 3.62 | 92 | 5.31 | 135 | 2.52 | 64 | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T7460-2020 | 4.61 | 117 | 6.61 | 168 | 2.01 | 51 | T7360-2020 | 4.45 | 113 | 6.46 | 164 | 2.83 | 72 | | |
| 31 | 1.1/4 | 1.1/2 | -2024 | T7460-2024 | 4.80 | 122 | 6.81 | 173 | 2.28 | 58 | T7360-2024 | 4.45 | 113 | 6.46 | 164 | 2.91 | 74 | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | T7460-2424 | 5.51 | 140 | 7.72 | 196 | 2.52 | 64 | | | | | | | | | |

NOTE: For SAE Code 61/62 and RYCO Code 62C Flange dimensions, see page 292.

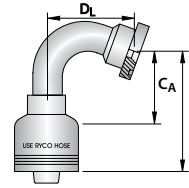
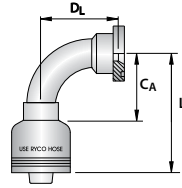
NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

COUPLINGS

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-------------------|--------------|--------------|
| SAE FLANGE | T7370 | T7930 |
|-------------------|--------------|--------------|

**RYCO
CODE 62
CLAMPS - SEE RYCO
ADAPTOR CATALOGUE
O RING NOT SUPPLIED**

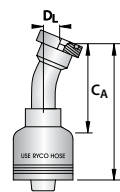
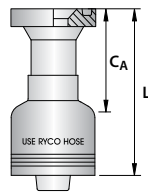


| HOSE SIZE | NOM. FLANGE SIZE | DASH SIZE | CODE 62 FLANGE 90° TUBE BEND | | | | | | | CODE 62 FLANGE 110° TUBE BEND | | | | | | | | | |
|-----------|------------------|-----------|------------------------------|-------------------|------|-----|------|-----|------|-------------------------------|-------------------|------|------|------|------|------|------|----|--|
| | | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | | |
| DN | inch | inch | | | inch | mm | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm | |
| 12 | 1/2 | 1/2 | -0808 | T7370-0808 | 1.65 | 42 | 2.76 | 70 | 1.61 | 41 | | | | | | | | | |
| 12 | 1/2 | 3/4 | -0812 | T7370-0812 | 1.65 | 42 | 2.76 | 70 | 1.81 | 46 | | | | | | | | | |
| 16 | 5/8 | 1/2 | -1008 | T7370-1008 | 1.77 | 45 | 3.07 | 78 | 1.65 | 42 | | | | | | | | | |
| 16 | 5/8 | 3/4 | -1012 | T7370-1012 | 1.89 | 48 | 3.19 | 81 | 2.20 | 56 | | | | | | | | | |
| 19 | 3/4 | 3/4 | -1212 | T7370-1212 | 2.32 | 59 | 3.54 | 90 | 2.20 | 56 | | | | | | | | | |
| 19 | 3/4 | 1 | -1216 | T7370-1216 | 2.32 | 59 | 3.54 | 90 | 2.40 | 61 | | | | | | | | | |
| 25 | 1 | 3/4 | -1612 | T7370-1612 | 2.36 | 60 | 4.06 | 103 | 2.20 | 56 | | | | | | | | | |
| 25 | 1 | 1 | -1616 | T7370-1616 | 2.83 | 72 | 4.53 | 115 | 2.76 | 70 | | | | | | | | | |
| 25 | 1 | 1.1/4 | -1620 | T7370-1620 | 2.83 | 72 | 4.53 | 115 | 2.80 | 71 | | | | | | | | | |
| 31 | 1.1/4 | 1 | -2016 | T7370-2016 | 3.15 | 80 | 5.16 | 131 | 2.76 | 70 | | | | | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T7370-2020 | 3.94 | 100 | 5.94 | 151 | 3.15 | 80 | | | | | | | | | |
| 31 | 1.1/4 | 1.1/2 | -2024 | T7370-2024 | 3.94 | 100 | 5.94 | 151 | 3.39 | 86 | | | | | | | | | |
| 38 | 1.1/2 | 1.1/4 | -2420 | T7370-2420 | 3.50 | 89 | 5.71 | 145 | 3.15 | 80 | | | | | | | | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | T7370-2424 | 3.86 | 98 | 6.06 | 154 | 3.86 | 98 | T7930-2424 | 5.59 | 142 | 7.80 | 198 | 4.69 | 119 | | |
| 38 | 1.1/2 | 2 | -2432 | T7370-2432 | 4.09 | 104 | 6.30 | 160 | 4.09 | 104 | T7930-2432 | 5.91 | 150 | 8.11 | 206 | 4.96 | 126 | | |
| 51 | 2 | 2 | -3232 | T7370-3232 | 5.39 | 137 | 7.87 | 200 | 5.16 | 131 | T7930-3232 | 5.28 | 134 | 7.76 | 197 | 6.02 | 153 | | |

NOTE: For SAE Code 61/62 and RYCO Code 62C Flange dimensions, see page 292.

| | | |
|-----------------------|--------------|--------------|
| SPECIAL FLANGE | T7333 | T7443 |
|-----------------------|--------------|--------------|

**RYCO
CODE 62C
O RING NOT SUPPLIED**



| HOSE SIZE | NOM. FLANGE SIZE | DASH SIZE | RYCO CODE 62C FLANGE | | | | | | | RYCO CODE 62C FLANGE 22.5° TUBE BEND | | | | | | | | | |
|-----------|------------------|-----------|----------------------|-------------------|------|-----|------|-----|------|--------------------------------------|-------------------|------|------|------|------|------|------|----|--|
| | | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | | |
| DN | inch | inch | | | inch | mm | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm | |
| 19 | 3/4 | 3/4 | -1212 | T7333-1212 | 2.44 | 62 | 3.66 | 93 | | | T7443-1212 | 3.11 | 79 | 4.33 | 110 | 0.59 | 15 | | |
| 19 | 3/4 | 1 | -1216 | T7333-1216 | 2.44 | 62 | 3.66 | 93 | | | T7443-1216 | 3.35 | 85 | 4.57 | 116 | 0.79 | 20 | | |
| 25 | 1 | 1 | -1616 | T7333-1616 | 2.52 | 64 | 4.21 | 107 | | | T7443-1616 | 3.50 | 89 | 5.20 | 132 | 0.63 | 16 | | |
| 25 | 1 | 1.1/4 | -1620 | T7333-1620 | 2.80 | 71 | 4.49 | 114 | | | T7443-1620 | 3.66 | 93 | 5.35 | 136 | 0.63 | 16 | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T7333-2020 | 3.43 | 87 | 5.43 | 138 | | | T7443-2020 | 4.21 | 107 | 6.22 | 158 | 0.67 | 17 | | |
| 31 | 1.1/4 | 1.1/2 | -2024 | T7333-2024 | 3.43 | 87 | 5.43 | 138 | | | T7443-2024 | 5.39 | 137 | 7.40 | 188 | 0.87 | 22 | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | T7333-2424 | 3.98 | 101 | 6.18 | 157 | | | T7443-2424 | 4.96 | 126 | 7.17 | 182 | 0.94 | 24 | | |
| 51 | 2 | 2 | -3232 | T7333-3232 | 4.17 | 106 | 6.61 | 168 | | | | | | | | | | | |

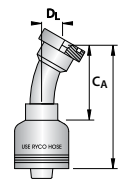
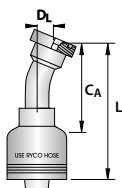
NOTE: These **T7000** fittings have similar end styles to Caterpillar® XT-3 range of Flanged Hose Couplings. Cat™ Caterpillar®, XT-3™ Caterpillar®
For SAE Code 61/62 and RYCO Code 62C Flange dimensions, see page 292.

NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-----------------------|--------------|--------------|
| SPECIAL FLANGE | T7444 | T7453 |
|-----------------------|--------------|--------------|

RYCO
CODE 62C
O RING NOT SUPPLIED

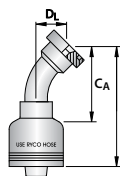
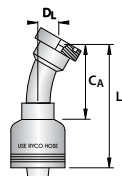


| HOSE SIZE | | | | NOM. FLANGE SIZE | DASH SIZE | RYCO CODE 62C D-RING FLANGE 22.5° TUBE BEND | | | | | | RYCO CODE 62C FLANGE 30° TUBE BEND | | | | | |
|-----------|-------|-------|-------|-------------------|-----------|---|------|-----|------|----|-------------------|------------------------------------|-----|------|-----|------|----|
| DN | inch | inch | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | T7444-1212 | 3.11 | 79 | 4.33 | 110 | 0.59 | 15 | T7453-1212 | 3.23 | 82 | 4.45 | 113 | 0.91 | 23 |
| 25 | 1 | 1 | -1616 | T7444-1616 | 3.50 | 89 | 5.20 | 132 | 0.63 | 16 | T7453-1616 | 4.25 | 108 | 5.94 | 151 | 0.94 | 24 |
| 25 | 1 | 1.1/4 | -1620 | T7444-1620 | 3.66 | 93 | 5.35 | 136 | 0.63 | 16 | T7453-1620 | 4.37 | 111 | 6.06 | 154 | 0.98 | 25 |
| 31 | 1.1/4 | 1.1/4 | -2020 | T7444-2020 | 4.21 | 107 | 6.22 | 158 | 0.67 | 17 | T7453-2020 | 4.53 | 115 | 6.54 | 166 | 0.98 | 25 |
| 31 | 1.1/4 | 1.1/2 | | | | | | | | | T7453-2024 | 4.49 | 114 | 6.50 | 165 | 1.02 | 26 |
| 38 | 1.1/2 | 1.1/2 | | | | | | | | | T7453-2424 | 5.00 | 127 | 7.20 | 183 | 1.18 | 30 |

NOTE: These **T7000** fittings have similar end styles to Caterpillar® XT-3 range of Flanged Hose Couplings. Cat™ Caterpillar®, XT-3™ Caterpillar® For SAE Code 61/62 and RYCO Code 62C Flange dimensions, see page 292.

| | | |
|-----------------------|--------------|--------------|
| SPECIAL FLANGE | T7454 | T7353 |
|-----------------------|--------------|--------------|

RYCO
CODE 62C
O RING NOT SUPPLIED



| HOSE SIZE | | | | NOM. FLANGE SIZE | DASH SIZE | RYCO CODE 62C D-RING FLANGE 30° TUBE BEND | | | | | | RYCO CODE 62C FLANGE 45° TUBE BEND | | | | | |
|-----------|-------|-------|-------|-------------------|-----------|---|------|-----|------|----|-------------------|------------------------------------|-----|------|-----|------|----|
| DN | inch | inch | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | T7454-1212 | 3.23 | 82 | 4.45 | 113 | 0.91 | 23 | T7353-1212 | 2.72 | 69 | 3.94 | 100 | 1.22 | 31 |
| 19 | 3/4 | 1 | -1216 | | | | | | | | T7353-1216 | 2.83 | 72 | 4.06 | 103 | 1.30 | 33 |
| 25 | 1 | 1 | -1616 | T7454-1616 | 3.46 | 88 | 5.16 | 131 | 0.94 | 24 | T7353-1616 | 3.54 | 90 | 5.24 | 133 | 1.38 | 35 |
| 25 | 1 | 1.1/4 | -1620 | | | | | | | | T7353-1620 | 3.43 | 87 | 5.12 | 130 | 1.46 | 37 |
| 31 | 1.1/4 | 1.1/4 | -2020 | T7454-2020 | 4.53 | 115 | 6.54 | 166 | 0.98 | 25 | T7353-2020 | 4.17 | 106 | 6.18 | 157 | 1.61 | 41 |
| 31 | 1.1/4 | 1.1/2 | -2024 | T7454-2024 | 4.53 | 115 | 6.54 | 166 | 1.02 | 26 | T7353-2024 | 4.25 | 108 | 6.26 | 159 | 1.69 | 43 |
| 38 | 1.1/2 | 1.1/2 | -2424 | | | | | | | | T7353-2424 | 4.53 | 115 | 6.73 | 171 | 1.81 | 46 |
| 51 | 2 | 2 | -3232 | | | | | | | | T7353-3232 | 6.14 | 156 | 8.62 | 219 | 2.40 | 61 |

NOTE: These **T7000** fittings have similar end styles to Caterpillar® XT-3 range of Flanged Hose Couplings. Cat™ Caterpillar®, XT-3™ Caterpillar® For SAE Code 61/62 and RYCO Code 62C Flange dimensions, see page 292.

NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

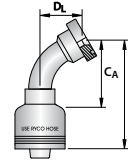
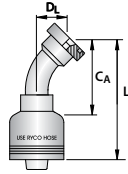
TECHNICAL

COUPLINGS

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-----------------------|--------------|--------------|
| SPECIAL FLANGE | T7354 | T7463 |
|-----------------------|--------------|--------------|

**RYCO
CODE 62C
O RING NOT SUPPLIED**

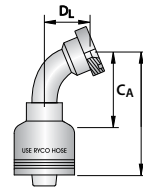
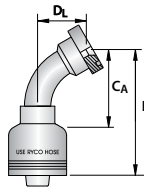


| HOSE SIZE | NOM. FLANGE SIZE | DASH SIZE | RYCO CODE 62C D-RING FLANGE 45° TUBE BEND | | | | | | | | RYCO CODE 62C FLANGE 60° TUBE BEND | | | | | | | | |
|-----------|------------------|-----------|---|-------------------|------|-----|------|-----|------|----|------------------------------------|------|------|------|------|------|------|----|--|
| | | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | | |
| DN | inch | inch | | | inch | mm | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm | |
| 19 | 3/4 | 3/4 | -1212 | T7354-1212 | 2.72 | 69 | 3.94 | 100 | 1.22 | 31 | T7463-1212 | 3.23 | 82 | 4.45 | 113 | 1.65 | 42 | | |
| 19 | 3/4 | 1 | -1216 | T7354-1216 | 1.22 | 31 | 2.44 | 62 | 1.30 | 33 | T7463-1216 | 3.27 | 83 | 4.49 | 114 | 1.85 | 47 | | |
| 25 | 1 | 1 | -1616 | T7354-1616 | 3.54 | 90 | 5.24 | 133 | 1.38 | 35 | T7463-1616 | 3.78 | 96 | 5.47 | 139 | 1.85 | 47 | | |
| 25 | 1 | 1.1/4 | -1620 | T7354-1620 | 3.23 | 82 | 4.92 | 125 | 1.46 | 37 | T7463-1620 | 4.02 | 102 | 5.71 | 145 | 1.93 | 49 | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T7354-2020 | 4.09 | 104 | 6.10 | 155 | 1.61 | 41 | T7463-2020 | 4.72 | 120 | 6.73 | 171 | 2.20 | 56 | | |
| 31 | 1.1/4 | 1.1/2 | -2024 | T7354-2024 | 4.09 | 104 | 6.10 | 155 | 1.69 | 43 | T7463-2024 | 4.53 | 115 | 6.54 | 166 | 2.60 | 66 | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | | | | | | | | T7463-2424 | 5.67 | 144 | 7.87 | 200 | 2.68 | 68 | | |

NOTE: These **T7000** fittings have similar end styles to Caterpillar® XT-3 range of Flanged Hose Couplings. Cat™ Caterpillar®, XT-3™ Caterpillar® For SAE Code 61/62 and RYCO Code 62C Flange dimensions, see page 292.

| | | |
|-----------------------|--------------|--------------|
| SPECIAL FLANGE | T7464 | T7363 |
|-----------------------|--------------|--------------|

**RYCO
CODE 62C
O RING NOT SUPPLIED**



| HOSE SIZE | NOM. FLANGE SIZE | DASH SIZE | RYCO CODE 62C D-RING FLANGE 60° TUBE BEND | | | | | | | | RYCO CODE 62C FLANGE 67.5° TUBE BEND | | | | | | | | |
|-----------|------------------|-----------|---|-------------------|------|-----|------|-----|------|----|--------------------------------------|------|------|------|------|------|------|----|--|
| | | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | | |
| DN | inch | inch | | | inch | mm | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm | |
| 19 | 3/4 | 3/4 | -1212 | T7464-1212 | 3.23 | 82 | 4.45 | 113 | 1.65 | 42 | T7363-1212 | 2.95 | 75 | 4.17 | 106 | 2.05 | 52 | | |
| 19 | 3/4 | 1 | -1216 | T7464-1216 | 1.22 | 31 | 2.44 | 62 | 1.65 | 42 | T7363-1216 | 3.11 | 79 | 4.33 | 110 | 2.09 | 53 | | |
| 25 | 1 | 1 | -1616 | T7464-1616 | 3.78 | 96 | 5.47 | 139 | 1.85 | 47 | T7363-1616 | 3.58 | 91 | 5.28 | 134 | 2.09 | 53 | | |
| 25 | 1 | 1.1/4 | -1620 | T7464-1620 | 3.98 | 101 | 5.67 | 144 | 1.93 | 49 | T7363-1620 | 3.62 | 92 | 5.31 | 135 | 2.20 | 56 | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T7464-2020 | 4.72 | 120 | 6.73 | 171 | 2.20 | 56 | T7363-2020 | 4.45 | 113 | 6.46 | 164 | 2.64 | 67 | | |
| 31 | 1.1/4 | 1.1/2 | -2024 | T7464-2024 | 4.57 | 116 | 6.57 | 167 | 2.60 | 66 | T7363-2024 | 5.35 | 136 | 7.36 | 187 | 2.99 | 76 | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | | | | | | | | T7363-2424 | 5.35 | 136 | 7.56 | 192 | 3.03 | 77 | | |

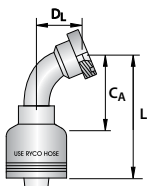
NOTE: These **T7000** fittings have similar end styles to Caterpillar® XT-3 range of Flanged Hose Couplings. Cat™ Caterpillar®, XT-3™ Caterpillar®. For SAE Code 61/62 and RYCO Code 62C Flange dimensions, see page 292.

NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

SPECIAL FLANGE T7364

RYCO
CODE 62C
O RING NOT SUPPLIED



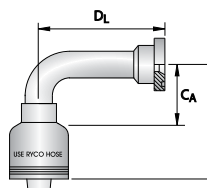
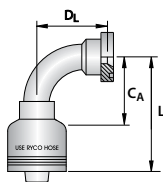
| HOSE SIZE | NOM. FLANGE SIZE | DASH SIZE | RYCO CODE 62C D-RING FLANGE 67.5° TUBE BEND | | | | | | | |
|-----------|------------------|-----------|---|--|--|--|--|--|--|--|
|-----------|------------------|-----------|---|--|--|--|--|--|--|--|

| DN | inch | inch | | PART NO | CA | | L | | DL | |
|----|-------|-------|-------|-------------------|------|-----|------|-----|------|----|
| | | | | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | T7364-1212 | 3.11 | 79 | 4.33 | 110 | 2.05 | 52 |
| 19 | 3/4 | 1 | -1216 | T7364-1216 | 1.22 | 31 | 2.44 | 62 | 2.09 | 53 |
| 25 | 1 | 1 | -1616 | T7364-1616 | 3.58 | 91 | 5.28 | 134 | 2.09 | 53 |
| 25 | 1 | 1.1/4 | -1620 | T7364-1620 | 3.62 | 92 | 5.31 | 135 | 2.20 | 56 |
| 31 | 1.1/4 | 1.1/4 | -2020 | T7364-2020 | 4.45 | 113 | 6.46 | 164 | 2.64 | 67 |
| 31 | 1.1/4 | 1.1/2 | -2024 | T7364-2024 | 4.17 | 106 | 6.18 | 157 | 2.99 | 76 |

NOTE: These **T7000** fittings have similar end styles to Caterpillar® XT-3 range of Flanged Hose Couplings. Cat™ Caterpillar®, XT-3™ Caterpillar®. For SAE Code 61/62 and RYCO Code 62C Flange dimensions, see page 292.

SPECIAL FLANGE T7373 T7378

RYCO
CODE 62C
O RING NOT SUPPLIED



| HOSE SIZE | NOM. FLANGE SIZE | DASH SIZE | RYCO CODE 62C FLANGE 90° TUBE BEND | | | | | | | | RYCO CODE 62C FLANGE 90° TUBE BEND | | | | | | | |
|-----------|------------------|-----------|------------------------------------|--|--|--|--|--|--|--|------------------------------------|--|--|--|--|--|--|--|
|-----------|------------------|-----------|------------------------------------|--|--|--|--|--|--|--|------------------------------------|--|--|--|--|--|--|--|

| DN | inch | inch | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
|----|-------|-------|-------|-------------------|------|-----|------|-----|------|-----|-------------------|------|-----|------|-----|------|-----|
| | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | | |
| 19 | 3/4 | 3/4 | -1212 | T7373-1212 | 2.32 | 59 | 3.54 | 90 | 2.44 | 62 | | | | | | | |
| 19 | 3/4 | 1 | -1216 | T7373-1216 | 2.32 | 59 | 3.54 | 90 | 2.60 | 66 | | | | | | | |
| 25 | 1 | 1 | -1616 | T7373-1616 | 2.83 | 72 | 4.53 | 115 | 2.83 | 72 | | | | | | | |
| 25 | 1 | 1.1/4 | -1620 | T7373-1620 | 2.83 | 72 | 4.53 | 115 | 2.95 | 75 | | | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T7373-2020 | 3.94 | 100 | 5.94 | 151 | 3.27 | 83 | T7378-2020 | 3.94 | 100 | 5.94 | 151 | 5.91 | 150 |
| 31 | 1.1/4 | 1.1/2 | -2024 | T7373-2024 | 3.94 | 100 | 5.94 | 151 | 3.35 | 85 | T7378-2024 | 3.94 | 100 | 5.94 | 151 | 5.31 | 135 |
| 38 | 1.1/2 | 1.1/2 | -2424 | T7373-2424 | 3.86 | 98 | 6.06 | 154 | 3.78 | 96 | | | | | | | |
| 51 | 2 | 2 | -3232 | T7373-3232 | 5.39 | 137 | 7.87 | 200 | 5.24 | 133 | | | | | | | |

NOTE: These **T7000** fittings have similar end styles to Caterpillar® XT-3 range of Flanged Hose Couplings. Cat™ Caterpillar®, XT-3™ Caterpillar®. For SAE Code 61/62 and RYCO Code 62C Flange dimensions, see page 292.

NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

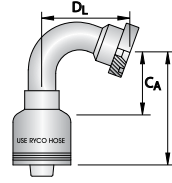
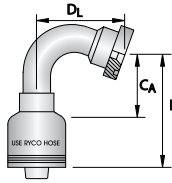
TECHNICAL

COUPLINGS

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-----------------------|--------------|--------------|
| SPECIAL FLANGE | T7374 | T7933 |
|-----------------------|--------------|--------------|

**RYCO
CODE 62C
O RING NOT SUPPLIED**

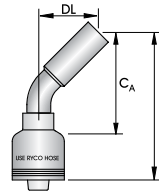
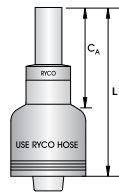


| HOSE SIZE | | | | NOM. FLANGE SIZE | DASH SIZE | RYCO CODE 62C D-RING FLANGE 110° TUBE BEND | | | | | | RYCO CODE 62C FLANGE 110° TUBE BEND | | | | | |
|-----------|-------|-------|-------|-------------------|-----------|--|------|-----|------|----|-------------------|-------------------------------------|-----|------|-----|------|-----|
| DN | inch | inch | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | T7374-1212 | 2.32 | 59 | 3.54 | 90 | 2.44 | 62 | | | | | | | |
| 19 | 3/4 | 1 | -1216 | T7374-1216 | 2.32 | 59 | 3.54 | 90 | 2.60 | 66 | | | | | | | |
| 25 | 1 | 1 | -1616 | T7374-1616 | 2.83 | 72 | 4.53 | 115 | 2.83 | 72 | | | | | | | |
| 25 | 1 | 1.1/4 | -1620 | T7374-1620 | 2.83 | 72 | 4.53 | 115 | 2.95 | 75 | | | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | T7374-2020 | 3.94 | 100 | 5.94 | 151 | 3.27 | 83 | | | | | | | |
| 31 | 1.1/4 | 1.1/2 | -2024 | T7374-2024 | 3.94 | 100 | 5.94 | 151 | 3.35 | 85 | | | | | | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | | | | | | | | T7933-2424 | 5.55 | 141 | 7.76 | 197 | 4.72 | 120 |

NOTE: These **T7000** fittings have similar end styles to Caterpillar® XT-3 range of Flanged Hose Couplings. Cat™ Caterpillar®, XT-3™ Caterpillar®. For SAE Code 61/62 and RYCO Code 62C Flange dimensions, see page 292.

| | | |
|------------------|--------------|--------------|
| STANDPIPE | T7640 | T7643 |
|------------------|--------------|--------------|

METRIC



| HOSE SIZE | | | | TUBE SIZE | DASH SIZE | METRIC STANDPIPE | | | | METRIC STANDPIPE 45° TUBE BEND | | | | | |
|-----------|-------|----|-------|-------------------|-----------|------------------|------|-----|---------|--------------------------------|----|------|----|------|----|
| DN | inch | mm | | PART NO | CA | | L | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 12 | 1/2 | 14 | -0814 | T7640-0814 | 1.77 | 45 | 2.83 | 72 | | | | | | | |
| 19 | 3/4 | 20 | -1220 | T7640-1220 | 2.09 | 53 | 3.31 | 84 | | | | | | | |
| 31 | 1.1/4 | 30 | -2030 | T7640-2030 | 2.64 | 67 | 4.65 | 118 | | | | | | | |

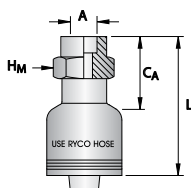
NOTE: See RYCO Adaptor Catalogue for DKL and DKS Metric Nuts and Olives for use with Metric Standpipe Fittings.

NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|----------------|--------------|
| SALVAGE | T7230 |
|----------------|--------------|

TUBE WELD



| HOSE SIZE | | A | | DASH SIZE | MALE HEX | | SALVAGE (LIFESAVER) | | | | | | |
|-----------|-------|-------|------|-----------|----------|----|---------------------|-------------------|------|------|------|------|----|
| DN | inch | inch | mm | | inch | mm | HM-SPANNER | PART NO | | CA | | L | |
| | | | | | | | | inch | mm | inch | mm | inch | mm |
| 12 | 1/2 | 1/2 | 12.7 | -0808 | 3/4 | 19 | | T7230-0808 | 1.06 | 27 | 2.17 | 55 | |
| 12 | 1/2 | 5/8 | 15.9 | -0810 | 15/16 | 24 | | T7230-0810 | 1.14 | 29 | 2.20 | 56 | |
| 19 | 3/4 | 5/8 | 15.9 | -1210 | 15/16 | 24 | | T7230-1210 | 1.18 | 30 | 2.40 | 61 | |
| 19 | 3/4 | 3/4 | 19.1 | -1212 | 1.1/16 | 27 | | T7230-1212 | 1.18 | 30 | 2.40 | 61 | |
| 19 | 3/4 | 1 | 25.4 | -1216 | 1.3/8 | | | T7230-1216 | 1.38 | 35 | 2.60 | 66 | |
| 25 | 1 | 3/4 | 19.1 | -1612 | 1.1/16 | 27 | | T7230-1612 | 1.18 | 30 | 2.87 | 73 | |
| 25 | 1 | 1 | 25.4 | -1616 | 1.3/8 | | | T7230-1616 | 1.38 | 35 | 3.07 | 78 | |
| 25 | 1 | 1.1/4 | 31.8 | -1620 | 1.5/8 | 41 | | T7230-1620 | 1.42 | 36 | 3.11 | 79 | |
| 31 | 1.1/4 | 1 | 25.4 | -2016 | 1.3/8 | | | T7230-2016 | 1.54 | 39 | 3.54 | 90 | |
| 31 | 1.1/4 | 1.1/4 | 31.8 | -2020 | 1.5/8 | 41 | | T7230-2020 | 1.57 | 40 | 3.58 | 91 | |
| 38 | 1.1/2 | 1.1/2 | 38.1 | -2424 | 2 | 50 | | T7230-2424 | 1.34 | 34 | 3.54 | 90 | |
| 51 | 2 | 2 | 50.8 | -3232 | 2.1/2 | | | T7230-3232 | 1.61 | 41 | 4.09 | 104 | |

WARNING: Due to high pressures involved, special care must be taken when using **T7230** Salvage Couplings. See Clause 8 of the Terms & Conditions of Sale.

INTRODUCTION

HOSE

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TECHNICAL

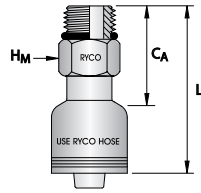
NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

COUPLINGS

T7000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|--------------------------|--------------|
| UNO (O RING BOSS) | T7200 |
|--------------------------|--------------|

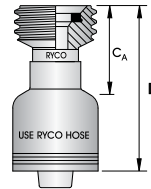
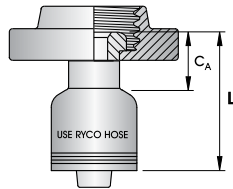
O RING SUPPLIED



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | | UN O RING MALE | | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|-------------------|------|----|------|----|--|
| DN | inch | inch | inch | | HM-SPANNER | | PART NO | CA | | L | | |
| | inch | inch | inch | | inch | mm | | inch | mm | inch | mm | |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/4 | 32 | T7200-1217 | 1.73 | 44 | 2.95 | 75 | |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.1/2 | 38 | T7200-1621 | 1.73 | 44 | 3.43 | 87 | |

| | | |
|---------------------|---------------|---------------|
| HAMMER UNION | T71502 | T71501 |
|---------------------|---------------|---------------|

FIGURE 1502
STANDARD SERVICE



| HOSE SIZE | | THRD SIZE | DASH SIZE | FIG 1502 MALE (WITH NUT) | | | | FIG 1502 FEMALE (WITH SEAL) | | | | | | | |
|-----------|-------|-----------|-----------|--------------------------|------|------|------|-----------------------------|--------------------|---------|----|------|-----|------|----|
| DN | inch | inch | | PART NO | | CA | | L | | PART NO | | CA | | L | |
| | inch | inch | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 38 | 1.1/2 | 4.1/8 | -2432 | T71502-2432 | 4.33 | 110 | 6.57 | 167 | T71501-2432 | 3.58 | 91 | 5.83 | 148 | | |
| 51 | 2 | 4.1/8 | -3232 | T71502-3232 | 4.37 | 111 | 6.81 | 173 | T71501-3232 | 3.62 | 92 | 6.06 | 154 | | |

NOTE: Nut must be installed onto hose before coupling is installed and crimped. Replacement parts **RF1502N-32** nut and **RF1502W-32** Nitrile seal are available.

NOTE: Hose Compatibility for the **T7000** series can be found on page 274.

TP000 SERIES ONE-PIECE CRIMP COUPLINGS

HOSE COMPATIBILITY FOR TP000 SERIES

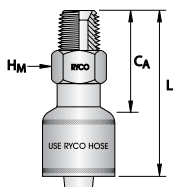
NON-SKIVE

For RYCO Hose Series TP7, TP7N, TP7T, TP7TN, TP8, TP8N, TP8T, TP8TN, TP3000 (all sizes).

BSPT

TP010

60° SEAT



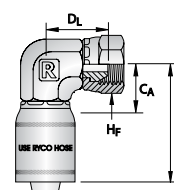
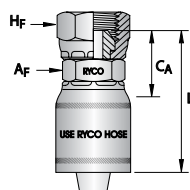
| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP AF | | BSPT MALE | | | | |
|-----------|------|-----------|-----------|------------|------|-------------------|----------------|----|------|----|
| DN | inch | inch | | AF-SPANNER | | PART NO | C _A | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | | 14 | TP010-0404 | 1.10 | 28 | 2.17 | 55 |
| 6 | 1/4 | 3/8 | -0406 | 3/4 | 19 | TP010-0406 | 1.14 | 29 | 2.17 | 55 |
| 8 | 5/16 | 3/8 | -0506 | 3/4 | 19 | TP010-0506 | 1.14 | 29 | 2.17 | 55 |
| 10 | 3/8 | 1/4 | -0604 | | 14 | TP010-0604 | 1.10 | 28 | 2.17 | 55 |
| 10 | 3/8 | 3/8 | -0606 | 3/4 | 19 | TP010-0606 | 1.14 | 29 | 2.20 | 56 |
| 10 | 3/8 | 1/2 | -0608 | 7/8 | 22 | TP010-0608 | 1.38 | 35 | 2.48 | 63 |
| 12 | 1/2 | 3/8 | -0806 | 3/4 | 19 | TP010-0806 | 1.18 | 30 | 2.36 | 60 |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | TP010-0808 | 1.38 | 35 | 2.60 | 66 |
| 16 | 5/8 | 3/4 | -1012 | #N/A | #N/A | TP010-1012 | | | | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | TP010-1212 | 0.71 | 18 | 2.17 | 55 |
| 25 | 1 | 1 | -1616 | | 36 | TP010-1616 | 1.81 | 46 | 3.31 | 84 |

NOTE: Hose Compatibility for the **TP000** series can be found on page 305.

COUPLINGS

| | | |
|-------------|--------------|--------------|
| BSPP | TP020 | TP050 |
|-------------|--------------|--------------|

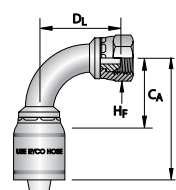
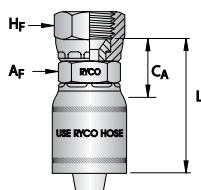
60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | BSPP FEMALE | | | | BSPP FEMALE 90° ELBOW | | | | | | | | | | |
|-----------|------|-----------|-----------|------------|----|------------|----|-------------------|------|------|------|-----------------------|-------------------|---------|----|------|----|------|----|------|----|--|
| DN | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | | CA | | L | | PART NO | | CA | | L | | DL | | |
| | | | | inch | mm | inch | mm | | | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm | |
| 5 | 3/16 | 1/4 | -0304 | | 12 | 3/4 | 19 | TP020-0304 | 0.91 | 23 | 1.89 | 48 | | | | | | | | | | |
| 6 | 1/4 | 1/8 | -0402 | | 12 | | 14 | TP020-0402 | 0.91 | 23 | 1.93 | 49 | | | | | | | | | | |
| 6 | 1/4 | 1/4 | -0404 | | 12 | 3/4 | 19 | TP020-0404 | 0.91 | 23 | 1.97 | 50 | TP050-0404 | 0.87 | 22 | 1.93 | 49 | 0.94 | 24 | | | |
| 6 | 1/4 | 3/8 | -0406 | 5/8 | 16 | 7/8 | 22 | TP020-0406 | 1.02 | 26 | 2.09 | 53 | | | | | | | | | | |
| 8 | 5/16 | 1/4 | -0504 | | 12 | 3/4 | 19 | TP020-0504 | 0.91 | 23 | 1.97 | 50 | | | | | | | | | | |
| 8 | 5/16 | 3/8 | -0506 | 5/8 | 16 | 7/8 | 22 | TP020-0506 | 1.02 | 26 | 2.09 | 53 | | | | | | | | | | |
| 10 | 3/8 | 1/4 | -0604 | | 12 | 3/4 | 19 | TP020-0604 | 0.91 | 23 | 1.97 | 50 | | | | | | | | | | |
| 10 | 3/8 | 3/8 | -0606 | 5/8 | 16 | 7/8 | 22 | TP020-0606 | 1.02 | 26 | 2.13 | 54 | TP050-0606 | 0.91 | 23 | 1.97 | 50 | 1.10 | 28 | | | |
| 10 | 3/8 | 1/2 | -0608 | 3/4 | 19 | 1.1/16 | 27 | TP020-0608 | 1.14 | 29 | 2.20 | 56 | | | | | | | | | | |
| 12 | 1/2 | 1/2 | -0808 | 3/4 | 19 | 1.1/16 | 27 | TP020-0808 | 1.14 | 29 | 2.32 | 59 | TP050-0808 | 1.14 | 29 | 2.32 | 59 | 1.22 | 31 | | | |
| 12 | 1/2 | 5/8 | -0810 | 7/8 | 22 | 1.3/16 | 30 | TP020-0810 | 1.10 | 28 | 2.28 | 58 | | | | | | | | | | |
| 12 | 1/2 | 3/4 | -0812 | 1.1/16 | 27 | 1.1/4 | 32 | TP020-0812 | 1.26 | 32 | 2.44 | 62 | | | | | | | | | | |
| 16 | 5/8 | 5/8 | -1010 | | | 1.3/16 | 30 | TP020-1010 | | | | | | | | | | | | | | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 1.1/4 | 32 | TP020-1212 | 1.26 | 32 | 2.68 | 68 | | | | | | | | | | |
| 25 | 1 | 1 | -1616 | 1.1/4 | 32 | 1.1/2 | 38 | TP020-1616 | 1.61 | 41 | 3.11 | 79 | | | | | | | | | | |

| | | |
|-------------|--------------|--------------|
| BSPP | TP122 | TP260 |
|-------------|--------------|--------------|

60° SEAT

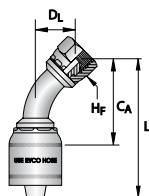


| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | BSPP FEMALE 60° CONCAVE SEAT (JIS) | | | | BSPP FEMALE 90° TUBE BEND | | | | | | | | | | |
|-----------|------|-----------|-----------|------------|----|------------|----|------------------------------------|------|------|------|---------------------------|-------------------|---------|----|------|-----|------|----|------|----|--|
| DN | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | | CA | | L | | PART NO | | CA | | L | | DL | | |
| | | | | inch | mm | inch | mm | | | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm | |
| 6 | 1/4 | 1/4 | -0404 | | 14 | 3/4 | 19 | TP122-0404 | 0.91 | 23 | 1.97 | 50 | TP260-0404 | 1.10 | 28 | 2.13 | 54 | 1.14 | 29 | | | |
| 6 | 1/4 | 3/8 | -0406 | | | 7/8 | 22 | | | | | | TP260-0406 | 1.10 | 28 | 2.13 | 54 | 1.10 | 28 | | | |
| 10 | 3/8 | 3/8 | -0606 | 5/8 | 16 | 7/8 | 22 | TP122-0606 | 0.94 | 24 | 2.01 | 51 | TP260-0606 | 1.38 | 35 | 2.44 | 62 | 1.30 | 33 | | | |
| 10 | 3/8 | 1/2 | -0608 | 7/8 | 22 | 1.1/16 | 27 | TP122-0608 | 1.06 | 27 | 2.17 | 55 | TP260-0608 | 1.38 | 35 | 2.44 | 62 | 1.30 | 33 | | | |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | 1.1/16 | 27 | TP122-0808 | 1.06 | 27 | 2.28 | 58 | TP260-0808 | 1.50 | 38 | 2.68 | 68 | 1.77 | 45 | | | |
| 12 | 1/2 | 5/8 | -0810 | | | 1.3/16 | 30 | | | | | | TP260-0810 | 1.57 | 40 | 2.76 | 70 | 1.77 | 45 | | | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | | 36 | TP122-1212 | 1.18 | 30 | 2.60 | 66 | TP260-1212 | 2.17 | 55 | 3.50 | 89 | 2.32 | 59 | | | |
| 25 | 1 | 1 | -1616 | | | 1.1/2 | 38 | | | | | | TP260-1616 | 2.68 | 68 | 4.09 | 104 | 3.07 | 78 | | | |

TP000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|-------------|--------------|
| BSPP | TP270 |
|-------------|--------------|

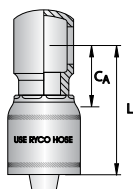
60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | | BSPP FEMALE 45° TUBE BEND | | | | | | |
|-----------|------|-----------|-----------|------------|----|---------------------------|------|----|------|-----|------|----|
| DN | inch | inch | | HF-SPANNER | | PART NO | CA | | L | | DL | |
| | inch | inch | | inch | mm | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | 3/4 | 19 | TP270-0404 | 1.42 | 36 | 2.44 | 62 | 0.67 | 17 |
| 10 | 3/8 | 3/8 | -0606 | 7/8 | 22 | TP270-0606 | 1.73 | 44 | 2.80 | 71 | 0.71 | 18 |
| 12 | 1/2 | 1/2 | -0808 | 1.1/16 | 27 | TP270-0808 | 1.97 | 50 | 3.15 | 80 | 0.87 | 22 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | TP270-1212 | 2.76 | 70 | 4.09 | 104 | 1.14 | 29 |
| 25 | 1 | 1 | -1616 | 1.1/2 | 38 | TP270-1616 | 3.35 | 85 | 4.76 | 121 | 1.65 | 42 |

| | |
|--------------------|--------------|
| BSP - BANJO | TP475 |
|--------------------|--------------|

STRAIGHT



| HOSE SIZE | | THRD SIZE | DASH SIZE | BSP BANJO | | | | | |
|-----------|------|-----------|-----------|-------------------|------|------|------|------|----|
| DN | inch | inch | | PART NO | | CA | | L | |
| | inch | inch | | | | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | TP475-0404 | 0.98 | 25 | 2.05 | 52 | |
| 6 | 1/4 | 3/8 | -0406 | | | | | | |
| 8 | 5/16 | 3/8 | -0506 | TP475-0506 | 1.06 | 27 | 2.13 | 54 | |
| 10 | 3/8 | 1/4 | -0604 | | | | | | |
| 10 | 3/8 | 3/8 | -0606 | TP475-0606 | 1.06 | 27 | 2.17 | 55 | |
| 10 | 3/8 | 1/2 | -0608 | TP475-0608 | 1.10 | 28 | 2.20 | 56 | |
| 12 | 1/2 | 1/2 | -0808 | TP475-0808 | 1.10 | 28 | 2.32 | 59 | |
| 19 | 3/4 | 3/4 | -1212 | TP475-1212 | 1.22 | 31 | 2.68 | 68 | |
| 25 | 1 | 1 | -1616 | TP475-1616 | 1.57 | 40 | 3.03 | 77 | |

NOTE: Hose Compatibility for the **TP000** series can be found on page 305.

INTRODUCTION

HOSE

COUPLINGS

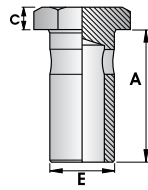
ADAPTORS

TECHNICAL

COUPLINGS

TP000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|-----------------------|------------|
| BSP BANJO BOLT | BBB |
|-----------------------|------------|

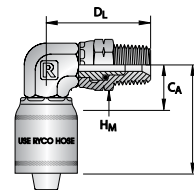
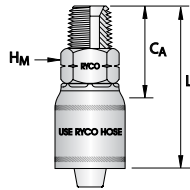


| THREAD SIZE E | DIMENSIONS (MM) | | | BSP BANJO BOLT |
|---------------|-----------------|------|-----|----------------|
| | A | C | A/F | |
| inch | | | | PART NO |
| G1/4"-19 | 28,5 | 6,0 | 19 | BBB-04 |
| G3/8"-19 | 38,5 | 7,0 | 22 | BBB-06 |
| G1/2"-14 | 44,0 | 8,5 | 27 | BBB-08 |
| G5/8"-14 | 48,5 | 10,0 | 30 | BBB-10 |
| G3/4"-14 | 56,0 | 10,0 | 32 | BBB-12 |
| G1"-11 | 68,5 | 13,0 | 41 | BBB-16 |

NOTE: RL21D Seals for BBB Banjo Bolts can be found on page 402.

| | | |
|------------|--------------|---------------|
| NPT | TP090 | TP340N |
|------------|--------------|---------------|

60° SEAT



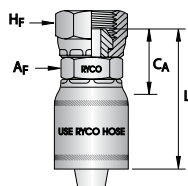
| HOSE SIZE | THRD SIZE | DASH SIZE | MALE HEX | NPT MALE | | | | NPT MALE SWIVEL 90° ELBOW | | | | | | | | | |
|-----------|-----------|-----------|----------|------------|----|-------------------|------|---------------------------|---------|------|--------------------|------|----|------|----|------|----|
| | | | | HM-SPANNER | | PART NO | CA | L | PART NO | CA | L | DL | | | | | |
| DN | inch | inch | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | | |
| 5 | 3/16 | 1/8 | -0302 | 1/2 | | TP090-0302 | 0.91 | 23 | 1.93 | 49 | | | | | | | |
| 5 | 3/16 | 1/4 | -0304 | 9/16 | | TP090-0304 | 1.10 | 28 | 2.13 | 54 | TP340N-0304 | 0.87 | 22 | 1.85 | 47 | 1.61 | 41 |
| 6 | 1/4 | 1/8 | -0402 | 1/2 | | TP090-0402 | 0.94 | 24 | 1.97 | 50 | | | | | | | |
| 6 | 1/4 | 1/4 | -0404 | 9/16 | | TP090-0404 | 1.10 | 28 | 2.17 | 55 | TP340N-0404 | 0.87 | 22 | 1.93 | 49 | 1.61 | 41 |
| 6 | 1/4 | 3/8 | -0406 | 3/4 | 19 | TP090-0406 | 1.18 | 30 | 2.24 | 57 | | | | | | | |
| 8 | 5/16 | 3/8 | -0506 | 3/4 | 19 | TP090-0506 | 1.18 | 30 | 2.24 | 57 | TP340N-0506 | 0.91 | 23 | 1.97 | 50 | 1.77 | 45 |
| 10 | 3/8 | 1/4 | -0604 | 9/16 | | TP090-0604 | 1.10 | 28 | 2.17 | 55 | | | | | | | |
| 10 | 3/8 | 3/8 | -0606 | 3/4 | 19 | TP090-0606 | 1.18 | 30 | 2.24 | 57 | TP340N-0606 | 0.91 | 23 | 1.97 | 50 | 1.77 | 45 |
| 10 | 3/8 | 1/2 | -0608 | 7/8 | 22 | TP090-0608 | 1.38 | 35 | 2.48 | 63 | | | | | | | |
| 12 | 1/2 | 3/8 | -0806 | 3/4 | 19 | TP090-0806 | 1.18 | 30 | 2.36 | 60 | | | | | | | |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | TP090-0808 | 1.38 | 35 | 2.60 | 66 | TP340N-0808 | 1.14 | 29 | 2.32 | 59 | 2.01 | 51 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | TP090-1212 | 1.50 | 38 | 2.91 | 74 | | | | | | | |
| 25 | 1 | 1 | -1616 | 1.3/8 | | TP090-1616 | 1.81 | 46 | 3.31 | 84 | | | | | | | |

NOTE: Hose Compatibility for the TP000 series can be found on page 305.

TP000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|-------------|---------------|
| NPSM | TP020N |
|-------------|---------------|

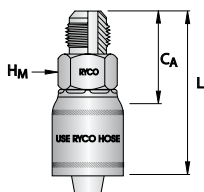
60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | NPSM FEMALE | | | | | |
|-----------|------|-----------|-----------|------------|----|------------|----|--------------------|------|------|------|------|----|
| DN | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | | CA | | L | |
| | inch | inch | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | 1/2 | | 11/16 | | TP020N-0404 | 0.94 | 24 | 1.97 | 50 | |

| | |
|-------------------|----------------------|
| JIC - MALE | TP030 - TP031 |
|-------------------|----------------------|

37° FLARE



| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | | JIC MALE | | | | | |
|-----------|------|-----------|-----------|------------|----|-------------------|------|------|------|------|----|
| DN | inch | inch | | Hm-SPANNER | | PART NO | | CA | | L | |
| | inch | inch | | inch | mm | inch | mm | inch | mm | inch | mm |
| 5 | 3/16 | 7/16 | -0307 | 1/2 | | TP030-0307 | 1.06 | 27 | 2.09 | 53 | |
| | | | | | | TP031-0307 | | | | | |
| 6 | 1/4 | 7/16 | -0407 | 1/2 | | TP030-0407 | 1.06 | 27 | 2.13 | 54 | |
| | | | | | | TP031-0407 | | | | | |
| 6 | 1/4 | 1/2 | -0408 | 9/16 | | TP030-0408 | 1.10 | 28 | 2.13 | 54 | |
| | | | | | | TP031-0408 | | | | | |
| 6 | 1/4 | 9/16 | -0409 | 5/8 | 16 | TP030-0409 | 1.10 | 28 | 2.17 | 55 | |
| 8 | 5/16 | 1/2 | -0508 | 9/16 | | TP030-0508 | 1.10 | 28 | 2.13 | 54 | |
| 8 | 5/16 | 9/16 | -0509 | 5/8 | 16 | TP030-0509 | 1.10 | 28 | 2.17 | 55 | |
| 10 | 3/8 | 9/16 | -0609 | 5/8 | 16 | TP030-0609 | 1.10 | 28 | 2.17 | 55 | |
| 10 | 3/8 | 3/4 | -0612 | 3/4 | 19 | TP030-0612 | 1.26 | 32 | 2.32 | 59 | |
| 12 | 1/2 | 3/4 | -0812 | 3/4 | 19 | TP030-0812 | 1.26 | 32 | 2.44 | 62 | |
| 12 | 1/2 | 7/8 | -0814 | 15/16 | 24 | TP030-0814 | 1.42 | 36 | 2.64 | 67 | |
| 19 | 3/4 | 1.1/16 | -1217 | 1.1/16 | 27 | TP030-1217 | 1.57 | 40 | 3.03 | 77 | |
| 25 | 1 | 1.5/16 | -1621 | 1.3/8 | 35 | TP030-1621 | 1.77 | 45 | 3.27 | 83 | |
| | | | | | | TP031-1621 | | | | | |

NOTE: Hose Compatibility for the **TP000** series can be found on page 305.

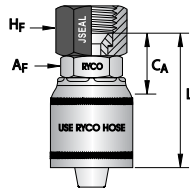
COUPLINGS

TP000 SERIES ONE-PIECE CRIMP COUPLINGS

JSEAL™ / JIC

TP040 - TP041

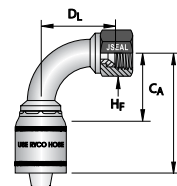
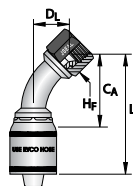
CONVEX SEAT



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | JSEAL™ / JIC FEMALE | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|------------|----|---------------------|------|----|------|----|
| DN | inch | inch | inch | | AF-SPANNER | | HF-SPANNER | | PART NO | CA | | L | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 5 | 3/16 | 7/16 | 1/4 | -0307 | 1/2 | | 9/16 | | TP040-0307 | 0.83 | 21 | 1.85 | 47 |
| | | | | | | | | 14 | TP041-0307 | | | | |
| 5 | 3/16 | 1/2 | 5/16 | -0308 | 1/2 | | 5/8 | 16 | TP040-0308 | 0.83 | 21 | 1.85 | 47 |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 1/2 | | 9/16 | | TP040-0407 | 0.87 | 22 | 1.89 | 48 |
| | | | | | | | | 14 | TP041-0407 | | | | |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 1/2 | | 5/8 | 16 | TP040-0408 | 0.87 | 22 | 1.89 | 48 |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 9/16 | | 11/16 | | TP040-0409 | 0.91 | 23 | 1.93 | 49 |
| | | | | | | | 3/4 | 19 | TP041-0409 | | | | |
| 8 | 5/16 | 9/16 | 3/8 | -0509 | 9/16 | | 11/16 | | TP040-0509 | 0.91 | 23 | 1.93 | 49 |
| | | | | | | | 3/4 | 19 | TP041-0509 | | | | |
| 10 | 3/8 | 7/16 | 1/4 | -0607 | 1/2 | | 9/16 | | TP040-0607 | 0.87 | 22 | 1.93 | 49 |
| | | | | | | | | 14 | TP041-0607 | | | | |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 9/16 | | 11/16 | | TP040-0609 | 0.91 | 23 | 1.97 | 50 |
| | | | | | | | 3/4 | 19 | TP041-0609 | | | | |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 11/16 | | 7/8 | 22 | TP040-0612 | 0.98 | 25 | 2.05 | 52 |
| 12 | 1/2 | 9/16 | 3/8 | -0809 | 11/16 | | 11/16 | | TP040-0809 | 0.91 | 23 | 2.09 | 53 |
| | | | | | | | 3/4 | 19 | TP041-0809 | | | | |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 11/16 | | 7/8 | 22 | TP040-0812 | 0.94 | 24 | 2.17 | 55 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 13/16 | | 1.1/16 | 27 | TP040-0814 | 1.18 | 30 | 2.36 | 60 |
| 19 | 3/4 | 7/8 | 5/8 | -1214 | 15/16 | 24 | 1.1/16 | 27 | TP040-1214 | 1.22 | 31 | 2.68 | 68 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1 | | 1.1/4 | 32 | TP040-1217 | 1.26 | 32 | 2.68 | 68 |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.1/4 | 32 | 1.1/2 | 38 | TP040-1621 | 1.42 | 36 | 2.91 | 74 |

| | | |
|---------------------|----------------------|---------------------|
| JSEAL™ / JIC | TP250 - TP251 | TP240- TP241 |
|---------------------|----------------------|---------------------|

CONVEX SEAT



| HOSE SIZE | THRD SIZE | DASH SIZE | FEMALE HEX | | JSEAL™ / JIC FEMALE 45° MEDIUM BEND | | | | | | JSEAL™ / JIC FEMALE 90° MEDIUM BEND | | | | | | | | |
|-----------|-----------|-----------|------------|---------|-------------------------------------|-------------------|------|------|------|-------------------|-------------------------------------|-------------------|-------------------|------|------|------|------|------|-------------------|
| | | | HF-SPANNER | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | | | |
| DN | inch | inch | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | |
| 5 | 3/16 | 7/16 | -0307 | 9/16 | | | | | | | | | TP240-0307 | 1.02 | 26 | 2.09 | 53 | 1.26 | 32 |
| 6 | 1/4 | 7/16 | -0407 | 9/16 | TP250-0407 | 1.34 | 34 | 2.36 | 60 | 0.59 | 15 | TP240-0407 | 1.02 | 26 | 2.09 | 53 | 1.26 | 32 | |
| | | | | 14 | TP251-0407 | | | | | | | TP241-0407 | | | | | | | |
| 6 | 1/4 | 1/2 | -0408 | 5/8 | 16 | | | | | | | TP240-0408 | 1.02 | 26 | 2.09 | 53 | 1.26 | 32 | |
| 6 | 1/4 | 9/16 | -0409 | 11/16 | TP250-0409 | 1.34 | 34 | 2.36 | 60 | 0.59 | 15 | TP240-0409 | 1.02 | 26 | 2.09 | 53 | 1.50 | 38 | |
| | | | | 3/4 | 19 | | | | | | | TP251-0409 | | | | | | | TP241-0409 |
| 8 | 5/16 | 9/16 | -0509 | 11/16 | | | | | | | | TP240-0509 | 1.02 | 26 | 2.09 | 53 | 1.50 | 38 | |
| | | | | 19 | | | | | | TP241-0509 | | | | | | | | | |
| 10 | 3/8 | 9/16 | -0609 | 11/16 | TP250-0609 | 1.50 | 38 | 2.56 | 65 | 0.55 | 14 | TP240-0609 | 1.38 | 35 | 2.44 | 62 | 0.98 | 25 | |
| | | | | 3/4 | 19 | | | | | | | TP251-0609 | | | | | | | TP241-0609 |
| 10 | 3/8 | 3/4 | -0612 | 7/8 | 22 | TP250-0612 | 1.54 | 39 | 2.60 | 66 | 0.67 | 17 | TP240-0612 | 1.38 | 35 | 2.44 | 62 | 1.18 | 30 |
| 12 | 1/2 | 9/16 | -0809 | 11/16 | | | | | | | | TP240-0809 | 1.38 | 35 | 2.56 | 65 | 0.98 | 25 | |
| | | | | 3/4 | 19 | | | | | TP241-0809 | | | | | | | | | |
| 12 | 1/2 | 3/4 | -0812 | 7/8 | 22 | TP250-0812 | 1.81 | 46 | 2.99 | 76 | 0.83 | 21 | TP240-0812 | 1.57 | 40 | 2.76 | 70 | 1.61 | 41 |
| 12 | 1/2 | 7/8 | -0814 | 1.1/16 | 27 | TP250-0814 | 1.85 | 47 | 3.11 | 79 | 0.87 | 22 | TP240-0814 | 1.57 | 40 | 2.76 | 70 | 1.61 | 41 |
| 19 | 3/4 | 1.1/16 | -1217 | 1.1/4 | 32 | TP250-1217 | 2.80 | 71 | 4.13 | 105 | 1.10 | 28 | TP240-1217 | 2.20 | 56 | 3.54 | 90 | 2.24 | 57 |
| 25 | 1 | 1.5/16 | -1621 | 1.1/2 | 38 | | | | | | | | TP240-1621 | 2.68 | 68 | 4.09 | 104 | 2.83 | 72 |

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

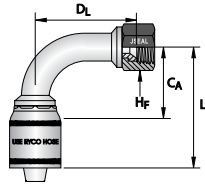
COUPLINGS

TP000 SERIES ONE-PIECE CRIMP COUPLINGS

JSEAL™ / JIC

TP280 - TP281

CONVEX SEAT

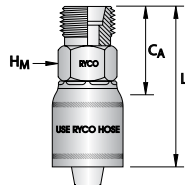


| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | | JSEAL™ / JIC FEMALE 90° LONG BEND | | | | | | |
|-----------|------|-----------|-----------|------------|----|-----------------------------------|------|----|------|----|------|----|
| DN | inch | inch | | HF-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | inch | mm | | inch | mm | inch | mm | inch | mm |
| 10 | 3/8 | 9/16 | -0609 | 11/16 | | TP280-0609 | 2.05 | 52 | 3.11 | 79 | 2.17 | 55 |
| | | | | 3/4 | 19 | TP281-0609 | | | | | | |
| 10 | 3/8 | 3/4 | -0612 | 7/8 | 22 | TP280-0612 | 2.32 | 59 | 3.39 | 86 | 2.52 | 64 |

METRIC - DKL

TP650

DKS
METRIC (HEAVY)
24° CONE



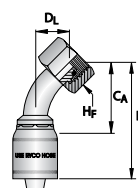
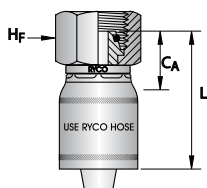
| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | | DKL MALE 24° CONE | | | | | | |
|-----------|------|-----------|-----------|------------|----|-------------------|------|----|------|----|--|--|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | | | |
| | | | | inch | mm | | inch | mm | inch | mm | | |
| 6 | 1/4 | 12x1,5 | -0412 | | 14 | TP650-0412 | 0.55 | 14 | 1.61 | 41 | | |
| 6 | 1/4 | 14x1,5 | -0414 | | 17 | TP650-0414 | 0.59 | 15 | 1.61 | 41 | | |
| 6 | 1/4 | 16x1,5 | -0416 | | 17 | TP650-0416 | 1.02 | 26 | 2.05 | 52 | | |
| 8 | 5/16 | 16x1,5 | -0516 | | 17 | TP650-0516 | 1.02 | 26 | 2.05 | 52 | | |
| 8 | 5/16 | 18x1,5 | -0518 | 3/4 | 19 | TP650-0518 | 1.06 | 27 | 2.09 | 53 | | |
| 10 | 3/8 | 16x1,5 | -0616 | | 17 | TP650-0616 | 1.02 | 26 | 2.09 | 53 | | |
| 10 | 3/8 | 18x1,5 | -0618 | 3/4 | 19 | TP650-0618 | 1.06 | 27 | 2.13 | 54 | | |
| 10 | 3/8 | 22x1,5 | -0622 | 15/16 | 24 | TP650-0622 | 0.71 | 18 | 1.77 | 45 | | |
| 12 | 1/2 | 22x1,5 | -0822 | 15/16 | 24 | TP650-0822 | 0.67 | 17 | 1.89 | 48 | | |
| 12 | 1/2 | 26x1,5 | -0826 | 1.1/16 | 27 | TP650-0826 | 0.71 | 18 | 1.89 | 48 | | |
| 19 | 3/4 | 30x2,0 | -1230 | 1.1/4 | 32 | TP650-1230 | 0.75 | 19 | 2.20 | 56 | | |
| 25 | 1 | 36x2,0 | -1636 | 1.5/8 | 41 | TP650-1636 | 0.94 | 24 | 2.44 | 62 | | |

NOTE: Hose Compatibility for the TP000 series can be found on page 305.

TP000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|----------------------|--------------|--------------|
| METRIC - DKOL | TP501 | TP510 |
|----------------------|--------------|--------------|

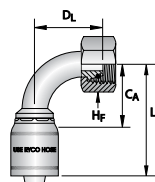
DKOL
24° CONE



| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | DKOL FEMALE 24° CONE | | | | | DKOL FEMALE 24° CONE 45° TUBE BEND | | | | | | | |
|-----------|------|-----------|-----------|------------|----------------------|------------|------|------|------|------------------------------------|------------|------|------|------|------|------|----|
| DN | inch | inch | | HF-SPANNER | PART NO | CA | | L | | PART NO | CA | | L | | DL | | |
| | | | | inch | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm | |
| 6 | 1/4 | 12 | -0412 | | 14 | TP501-0412 | 0.87 | 22 | 1.89 | 48 | TP510-0412 | 1.42 | 36 | 2.44 | 62 | 0.71 | 18 |
| 6 | 1/4 | 14 | -0414 | | 17 | TP501-0414 | 0.87 | 22 | 1.93 | 49 | TP510-0414 | 1.38 | 35 | 2.44 | 62 | 0.67 | 17 |
| 6 | 1/4 | 16 | -0416 | 3/4 | 19 | TP501-0416 | 0.94 | 24 | 1.97 | 50 | | | | | | | |
| 8 | 5/16 | 14 | -0514 | | 17 | TP501-0514 | 0.87 | 22 | 1.93 | 49 | | | | | | | |
| 8 | 5/16 | 16 | -0516 | 3/4 | 19 | TP501-0516 | 1.02 | 26 | 2.09 | 53 | TP510-0516 | 1.06 | 27 | 2.13 | 54 | 1.22 | 31 |
| 8 | 5/16 | 18 | -0518 | 7/8 | 22 | TP501-0518 | 1.02 | 26 | 2.05 | 52 | TP510-0518 | 1.46 | 37 | 2.52 | 64 | 0.79 | 20 |
| 10 | 3/8 | 16 | -0616 | 3/4 | 19 | TP501-0616 | 0.91 | 23 | 1.97 | 50 | TP510-0616 | 1.77 | 45 | 2.83 | 72 | 0.75 | 19 |
| 10 | 3/8 | 18 | -0618 | 7/8 | 22 | TP501-0618 | 0.94 | 24 | 2.01 | 51 | TP510-0618 | 1.77 | 45 | 2.83 | 72 | 0.79 | 20 |
| 12 | 1/2 | 22 | -0822 | 1.1/16 | 27 | TP501-0822 | 0.98 | 25 | 2.20 | 56 | TP510-0822 | 2.01 | 51 | 3.19 | 81 | 0.87 | 22 |
| 12 | 1/2 | 26 | -0826 | 1.1/4 | 32 | TP501-0826 | 1.10 | 28 | 2.28 | 58 | | | | | | | |
| 19 | 3/4 | 26 | -1226 | 1.1/4 | 32 | TP501-1226 | 1.18 | 30 | 2.52 | 64 | | | | | | | |
| 19 | 3/4 | 30 | -1230 | | 36 | TP501-1230 | 1.14 | 29 | 2.44 | 62 | TP510-1230 | 2.87 | 73 | 4.21 | 107 | 1.22 | 31 |
| 25 | 1 | 36 | -1636 | 1.5/8 | 41 | TP501-1636 | 1.34 | 34 | 2.83 | 72 | TP510-1636 | 3.58 | 91 | 5.00 | 127 | 1.81 | 46 |

| | |
|----------------------|--------------|
| METRIC - DKOL | TP520 |
|----------------------|--------------|

DKOL
METRIC O RING
24° CONE



| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | DKOL FEMALE 24° CONE 90° TUBE BEND | | | | | | | |
|-----------|------|-----------|-----------|------------|------------------------------------|------------|------|------|------|------|------|----|
| DN | inch | inch | | HF-SPANNER | PART NO | CA | | L | | DL | | |
| | | | | inch | | inch | mm | inch | mm | inch | mm | |
| 6 | 1/4 | 12 | -0412 | | 14 | TP520-0412 | 1.06 | 27 | 2.20 | 56 | 1.22 | 31 |
| 6 | 1/4 | 14 | -0414 | | 17 | TP520-0414 | 1.02 | 26 | 2.17 | 55 | 1.22 | 31 |
| 6 | 1/4 | 16 | -0416 | 3/4 | 19 | TP520-0416 | 1.06 | 27 | 2.20 | 56 | 1.22 | 31 |
| 8 | 5/16 | 16 | -0516 | 3/4 | 19 | TP520-0516 | 1.06 | 27 | 2.13 | 54 | 1.22 | 31 |
| 8 | 5/16 | 18 | -0518 | 7/8 | 22 | TP520-0518 | 1.06 | 27 | 2.13 | 54 | 1.42 | 36 |
| 10 | 3/8 | 16 | -0616 | 3/4 | 19 | TP520-0616 | 1.34 | 34 | 2.40 | 61 | 1.38 | 35 |
| 10 | 3/8 | 18 | -0618 | 7/8 | 22 | TP520-0618 | 1.42 | 36 | 2.48 | 63 | 1.38 | 35 |
| 12 | 1/2 | 22 | -0822 | 1.1/16 | 27 | TP520-0822 | 1.57 | 40 | 2.76 | 70 | 1.73 | 44 |
| 12 | 1/2 | 26 | -0826 | 1.1/4 | 32 | TP520-0826 | 1.57 | 40 | 2.76 | 70 | 1.89 | 48 |
| 16 | 5/8 | 26 | -1026 | 1.1/4 | 32 | TP520-1026 | | | | | | |
| 19 | 3/4 | 30 | -1230 | | 36 | TP520-1230 | 2.20 | 56 | 3.54 | 90 | 2.56 | 65 |
| 25 | 1 | 36 | -1636 | 1.5/8 | 41 | TP520-1636 | 2.72 | 69 | 4.13 | 105 | 3.11 | 79 |

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

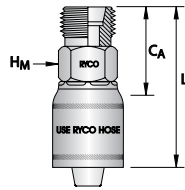
COUPLINGS

TP000 SERIES ONE-PIECE CRIMP COUPLINGS

METRIC - DKS

TP630

DKS
METRIC (HEAVY)
24° CONE

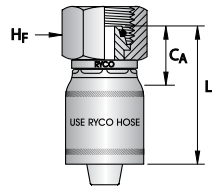


| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | | DKS MALE 24° CONE | | | | |
|-----------|------|-----------|-----------|------------|----|-------------------|------|----|------|----|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 16X1,5 | -0416 | | 17 | TP630-0416 | 1.06 | 27 | 2.09 | 53 |
| 6 | 1/4 | 18X1,5 | -0418 | 3/4 | 19 | TP630-0418 | 1.10 | 28 | 2.13 | 54 |
| 8 | 5/16 | 20X1,5 | -0520 | 7/8 | 22 | TP630-0520 | 1.10 | 28 | 2.17 | 55 |
| 10 | 3/8 | 20X1,5 | -0620 | 7/8 | 22 | TP630-0620 | 1.10 | 28 | 2.17 | 55 |
| 10 | 3/8 | 22X1,5 | -0622 | 15/16 | 24 | TP630-0622 | 1.26 | 32 | 2.32 | 59 |
| 12 | 1/2 | 24X1,5 | -0824 | 1.1/16 | 27 | TP630-0824 | 1.26 | 32 | 2.44 | 62 |
| 19 | 3/4 | 30X2,0 | -1230 | 1.1/4 | 32 | TP630-1230 | 1.38 | 35 | 2.83 | 72 |
| 19 | 3/4 | 36X2,0 | -1236 | 1.5/8 | 41 | TP630-1236 | 1.61 | 41 | 3.07 | 78 |
| 25 | 1 | 42X2,0 | -1642 | | 46 | TP630-1642 | 1.81 | 46 | 3.27 | 83 |

METRIC - DKOS

TP711

DKOS
METRIC O RING
24° CONE



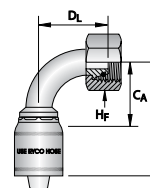
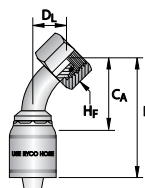
| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | | DKOS FEMALE 24° CONE | | | | |
|-----------|------|-----------|-----------|------------|----|----------------------|------|----|------|----|
| DN | inch | inch | | HF-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 14 | -0414 | | 17 | TP711-0414 | 0.79 | 20 | 1.93 | 49 |
| 6 | 1/4 | 16 | -0416 | 3/4 | 19 | TP711-0416 | 0.91 | 23 | 2.09 | 53 |
| 6 | 1/4 | 18 | -0418 | 7/8 | 22 | TP711-0418 | 0.98 | 25 | 2.13 | 54 |
| 8 | 5/16 | 18 | -0518 | 7/8 | 22 | TP711-0518 | 1.06 | 27 | 2.13 | 54 |
| 8 | 5/16 | 20 | -0520 | 15/16 | 24 | TP711-0520 | 1.06 | 27 | 2.13 | 54 |
| 10 | 3/8 | 20 | -0620 | 15/16 | 24 | TP711-0620 | 1.06 | 27 | 2.13 | 54 |
| 10 | 3/8 | 22 | -0622 | 1.1/16 | 27 | TP711-0622 | 1.14 | 29 | 2.20 | 56 |
| 10 | 3/8 | 24 | -0624 | 1.3/16 | 30 | TP711-0624 | 1.14 | 29 | 2.20 | 56 |
| 12 | 1/2 | 24 | -0824 | 1.3/16 | 30 | TP711-0824 | 1.10 | 28 | 2.32 | 59 |
| 19 | 3/4 | 30 | -1230 | | 36 | TP711-1230 | 1.30 | 33 | 2.60 | 66 |
| 19 | 3/4 | 36 | -1236 | | 46 | TP711-1236 | 1.42 | 36 | 2.76 | 70 |
| 25 | 1 | 42 | -1642 | 2 | 50 | TP711-1642 | 1.50 | 38 | 2.95 | 75 |

NOTE: Hose Compatibility for the **TP000** series can be found on page 305.

TP000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|----------------------|--------------|--------------|
| METRIC - DKOS | TP720 | TP730 |
|----------------------|--------------|--------------|

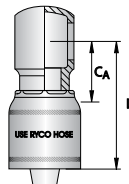
**DKOS
METRIC O RING
24° CONE**



| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | | DKOS FEMALE 24° CONE 45° TUBE BEND | | | | | | DKOS FEMALE 24° CONE 90° TUBE BEND | | | | | | | |
|-----------|------|-----------|-----------|------------|---------|------------------------------------|------|------|------|------|------|------------------------------------|-------------------|------|------|------|------|------|----|
| DN | inch | inch | | HF-SPANNER | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | | |
| | | | | inch | mm | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm | |
| 6 | 1/4 | 14 | -0414 | | 17 | TP720-0414 | 1.38 | 35 | 2.52 | 64 | 0.63 | 16 | TP730-0414 | 1.06 | 27 | 2.20 | 56 | 1.10 | 28 |
| 6 | 1/4 | 16 | -0416 | 3/4 | 19 | TP720-0416 | 1.42 | 36 | 2.56 | 65 | 0.67 | 17 | TP730-0416 | 1.06 | 27 | 2.20 | 56 | 1.22 | 31 |
| 6 | 1/4 | 18 | -0418 | 7/8 | 22 | TP720-0418 | 1.38 | 35 | 2.52 | 64 | 0.67 | 17 | TP730-0418 | 1.06 | 27 | 2.20 | 56 | 1.14 | 29 |
| 8 | 5/16 | 18 | -0518 | 7/8 | 22 | TP720-0518 | 1.38 | 35 | 2.44 | 62 | 0.67 | 17 | | | | | | | |
| 8 | 5/16 | 20 | -0520 | 15/16 | 24 | TP720-0520 | 1.81 | 46 | 2.87 | 73 | 0.79 | 20 | TP730-0520 | 1.42 | 36 | 2.48 | 63 | 1.42 | 36 |
| 10 | 3/8 | 20 | -0620 | 15/16 | 24 | TP720-0620 | 1.81 | 46 | 2.87 | 73 | 0.79 | 20 | TP730-0620 | 1.42 | 36 | 2.48 | 63 | 1.42 | 36 |
| 10 | 3/8 | 22 | -0622 | 1.1/16 | 27 | TP720-0622 | 1.81 | 46 | 2.87 | 73 | 0.79 | 20 | TP730-0622 | 1.42 | 36 | 2.48 | 63 | 1.42 | 36 |
| 12 | 1/2 | 24 | -0824 | 1.3/16 | 30 | TP720-0824 | 2.09 | 53 | 3.27 | 83 | 0.94 | 24 | TP730-0824 | 1.57 | 40 | 2.76 | 70 | 1.89 | 48 |
| 19 | 3/4 | 30 | -1230 | | 36 | TP720-1230 | 2.91 | 74 | 4.25 | 108 | 1.38 | 35 | TP730-1230 | 2.13 | 54 | 3.43 | 87 | 2.68 | 68 |
| 19 | 3/4 | 36 | -1236 | | 46 | TP720-1236 | 2.99 | 76 | 4.33 | 110 | 1.38 | 35 | TP730-1236 | 2.17 | 55 | 3.50 | 89 | 2.68 | 68 |
| 25 | 1 | 42 | -1642 | 2 | 50 | TP720-1642 | 3.43 | 87 | 4.84 | 123 | 1.46 | 37 | TP730-1642 | 2.72 | 69 | 4.13 | 105 | 3.03 | 77 |

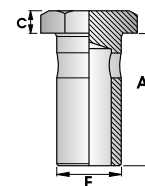
| | |
|-----------------------|--------------|
| METRIC - BANJO | TP470 |
|-----------------------|--------------|

STRAIGHT



| HOSE SIZE | | THRD SIZE | DASH SIZE | METRIC BANJO | | | | |
|-----------|------|-----------|-----------|-------------------|------|----|------|----|
| DN | inch | inch | | PART NO | CA | | L | |
| | | | | | inch | mm | inch | |
| 6 | 1/4 | 12x1,5 | -0412 | TP470-0412 | 0.91 | 23 | 1.97 | 50 |
| 6 | 1/4 | 14x1,5 | -0414 | TP470-0414 | 0.98 | 25 | 2.05 | 52 |
| 10 | 3/8 | 14x1,5 | -0614 | TP470-0614 | 1.06 | 27 | 2.17 | 55 |
| 10 | 3/8 | 18x1,5 | -0618 | TP470-0618 | 1.14 | 29 | 2.24 | 57 |
| 10 | 3/8 | 22x1,5 | -0622 | TP470-0622 | 1.38 | 35 | 2.44 | 62 |
| 12 | 1/2 | 18x1,5 | -0818 | TP470-0818 | 1.14 | 29 | 2.36 | 60 |
| 12 | 1/2 | 22x1,5 | -0822 | TP470-0822 | 1.26 | 32 | 2.48 | 63 |

| | |
|--------------------------|------------|
| METRIC BANJO BOLT | BBM |
|--------------------------|------------|



| THREAD SIZE E | DIMENSIONS (MM) | | | METRIC BANJO BOLT |
|---------------|-----------------|----|-----|-------------------|
| mm | A | C | A/F | PART NO |
| M10x1,0 | 19 | 6 | 14 | BBM-10 |
| M12x1,5 | 24 | 6 | 17 | BBM-12 |
| M14x1,5 | 26 | 6 | 19 | BBM-14 |
| M16x1,5 | 28 | 6 | 22 | BBM-16 |
| M18x1,5 | 32 | 6 | 24 | BBM-18 |
| M20x1,5 | 37 | 7 | 27 | BBM-20 |
| M22x1,5 | 39 | 7 | 27 | BBM-22 |
| M26x1,5 | 45 | 7 | 32 | BBM-26 |
| M30x1,5 | 51 | 7 | 36 | BBM-30 |
| M36x2,0 | 71 | 12 | 46 | BBM-36 |

NOTE: MBD Seals for BBM Banjo Bolts can be found on page 434.

NOTE: Hose Compatibility for the **TP000** series can be found on page 305.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

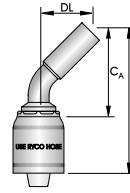
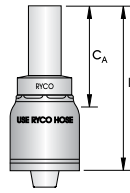
TECHNICAL

COUPLINGS

TP000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|------------------|--------------|--------------|
| STANDPIPE | TP640 | TP643 |
|------------------|--------------|--------------|

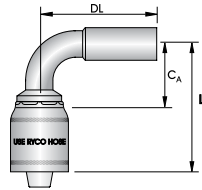
STANDPIPE



| HOSE SIZE | | | | THRD SIZE | DASH SIZE | STANDPIPE | | | | STANDPIPE 45° BEND | | | | | | |
|-----------|------|------|-------|-----------|-------------------|-----------|----|------|----|--------------------|------|----|------|----|------|----|
| DN | inch | inch | | | PART NO | CA | | L | | PART NO | CA | | L | | DL | |
| | | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 5 | 3/16 | 6 | -0306 | | TP640-0306 | 1.22 | 31 | 2.20 | 56 | TP643-0306 | 2.36 | 60 | 3.39 | 86 | 1.57 | 40 |
| 6 | 1/4 | 6 | -0406 | | TP640-0406 | 1.22 | 31 | 2.28 | 58 | | | | | | | |
| 6 | 1/4 | 8 | -0408 | | TP640-0408 | 1.22 | 31 | 2.28 | 58 | | | | | | | |
| 6 | 1/4 | 10 | -0410 | | TP640-0410 | 1.34 | 34 | 2.40 | 61 | TP643-0410 | 2.36 | 60 | 3.43 | 87 | 1.57 | 40 |
| 10 | 3/8 | 12 | -0612 | | TP640-0612 | 1.34 | 34 | 2.44 | 62 | | | | | | | |
| 12 | 1/2 | 15 | -0815 | | TP640-0815 | 1.34 | 34 | 2.52 | 64 | | | | | | | |
| 12 | 1/2 | 16 | -0816 | | TP640-0816 | 1.54 | 39 | 2.72 | 69 | | | | | | | |

| | |
|------------------|--------------|
| STANDPIPE | TP646 |
|------------------|--------------|

STANDPIPE



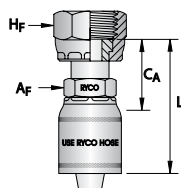
| HOSE SIZE | | | | THRD SIZE | DASH SIZE | STANDPIPE 90° BEND | | | | | |
|-----------|------|------|-------|-----------|-------------------|--------------------|----|------|----|------|----|
| DN | inch | inch | | | PART NO | CA | | L | | DL | |
| | | | | | | inch | mm | inch | mm | inch | mm |
| 5 | 3/16 | 6 | -0306 | | TP646-0306 | 1.06 | 27 | 2.09 | 53 | 1.34 | 34 |
| 6 | 1/4 | 10 | -0410 | | TP646-0410 | 1.06 | 27 | 2.13 | 54 | 1.65 | 42 |

NOTE: Hose Compatibility for the **TP000** series can be found on page 305.

TP000 SERIES ONE-PIECE CRIMP COUPLINGS

| | |
|-------------|----------------------|
| ORFS | TP800 - TP801 |
|-------------|----------------------|

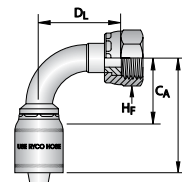
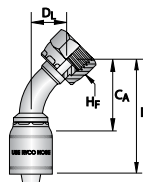
**O RING
FACE SEAL**



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | ORFS FEMALE | | | | |
|-----------|------|-----------|-----------|------------|----|------------|----|-------------|------|----|------|----|
| DN | inch | inch | | inch | mm | inch | mm | PART NO | CA | | L | |
| | | | | | | | | | inch | mm | inch | mm |
| 6 | 1/4 | 9/16 | -0409 | 9/16 | 17 | 11/16 | 17 | TP800-0409 | 1.18 | 30 | 2.24 | 57 |
| | | | | | | | | TP801-0409 | | | | |
| 6 | 1/4 | 11/16 | -0411 | 5/8 | 16 | 7/8 | 22 | TP800-0411 | 1.30 | 33 | 2.36 | 60 |
| | | | | | | | | TP801-0411 | | | | |
| 8 | 5/16 | 11/16 | -0511 | 5/8 | 16 | 7/8 | 22 | TP800-0511 | 1.30 | 33 | 2.36 | 60 |
| | | | | | | | | TP801-0511 | | | | |
| 10 | 3/8 | 11/16 | -0611 | 5/8 | 16 | 7/8 | 22 | TP800-0611 | 1.30 | 33 | 2.36 | 60 |
| 10 | 3/8 | 13/16 | -0613 | 3/4 | 19 | 15/16 | 24 | TP800-0613 | 1.42 | 36 | 2.48 | 63 |
| 12 | 1/2 | 13/16 | -0813 | 3/4 | 19 | 15/16 | 24 | TP800-0813 | 1.42 | 36 | 2.60 | 66 |
| 19 | 3/4 | 1.3/16 | -1219 | 1.1/8 | 36 | 1.3/8 | 36 | TP800-1219 | 1.81 | 46 | 3.27 | 83 |
| | | | | | | | | TP801-1219 | | | | |
| 19 | 3/4 | 1.7/16 | -1223 | 1.3/8 | 41 | 1.5/8 | 41 | TP800-1223 | 2.20 | 56 | 3.62 | 92 |
| 25 | 1 | 1.7/16 | -1623 | 1.3/8 | 41 | 1.5/8 | 41 | TP800-1623 | 2.24 | 57 | 3.70 | 94 |

| | | |
|-------------|----------------------|----------------------|
| ORFS | TP810 - TP811 | TP820 - TP821 |
|-------------|----------------------|----------------------|

**O RING
FACE SEAL**



| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | | ORFS FEMALE 45° TUBE BEND | | | | | ORFS FEMALE 90° MEDIUM BEND | | | | | | | | | | |
|-----------|------|-----------|-----------|------------|----|---------------------------|------------|------|----|------|-----------------------------|------|----|------------|------|------|------|------|------|------|----|
| DN | inch | inch | | HF-SPANNER | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | |
| | | | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 9/16 | -0409 | 11/16 | 17 | TP810-0409 | TP811-0409 | 1.57 | 40 | 2.60 | 66 | 0.71 | 18 | TP820-0409 | 1.14 | 29 | 2.17 | 55 | 1.26 | 32 | |
| | | | | | | | | | | | | | | | | | | | | | |
| 6 | 1/4 | 11/16 | -0411 | 7/8 | 22 | TP810-0411 | | 1.57 | 40 | 2.60 | 66 | 0.71 | 18 | TP820-0411 | 1.30 | 33 | 2.32 | 59 | 1.50 | 38 | |
| 8 | 5/16 | 11/16 | -0511 | | 22 | | | | | | | | | TP820-0511 | 1.30 | 33 | 2.32 | 59 | 1.50 | 38 | |
| 10 | 3/8 | 11/16 | -0611 | 7/8 | 22 | TP810-0611 | | 1.77 | 45 | 2.83 | 72 | 0.79 | 20 | TP820-0611 | 1.34 | 34 | 2.40 | 61 | 1.50 | 38 | |
| 10 | 3/8 | 13/16 | -0613 | 15/16 | 24 | TP810-0613 | | 1.57 | 40 | 2.64 | 67 | 0.67 | 17 | TP820-0613 | 1.30 | 33 | 2.36 | 60 | 1.34 | 34 | |
| 12 | 1/2 | 13/16 | -0813 | 15/16 | 24 | TP810-0813 | | 1.89 | 48 | 3.07 | 78 | 0.75 | 19 | TP820-0813 | 1.50 | 38 | 2.68 | 68 | 1.61 | 41 | |
| 19 | 3/4 | 1.3/16 | -1219 | 1.3/8 | 36 | TP810-1219 | TP811-1219 | 2.52 | 64 | 3.86 | 98 | 1.14 | 29 | TP820-1219 | 2.13 | 54 | 3.46 | 88 | 2.32 | 59 | |
| | | | | | | | | | | | | | | | | | | | | | |
| 25 | 1 | 1.7/16 | -1623 | 1.5/8 | 41 | | | | | | | | | TP820-1623 | 2.72 | 69 | 4.13 | 105 | 2.80 | 71 | |

NOTE: Hose Compatibility for the **TP000** series can be found on page 305.

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HOSE

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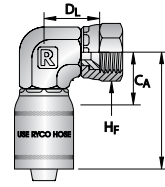
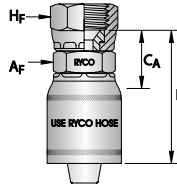
TECHNICAL

COUPLINGS

TP000 SERIES ONE-PIECE CRIMP COUPLINGS

| | | |
|-----|-------|-------|
| SAE | TP540 | TP570 |
|-----|-------|-------|

45° FLARE



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | FEMALE HEX | | SAE FEMALE | | | | SAE FEMALE 90° ELBOW | | | | | | | | | | | |
|-----------|------|-----------|-----------|------------|------------|------------|------------|-------------------|------|------|----------------------|------|-------------------|---------|----|------|----|------|----|------|----|--|
| DN | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | | CA | | L | | PART NO | | CA | | L | | DL | | |
| | | | | inch | mm | inch | mm | | | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm | |
| 6 | 1/4 | 5/8 | -0410 | 5/8 | 16 | 3/4 | 19 | TP540-0410 | 0.91 | 23 | 1.93 | 49 | | | | | | | | | | |
| 8 | 5/16 | 5/8 | -0510 | 5/8 | 16 | 3/4 | 19 | TP540-0510 | 0.91 | 23 | 1.93 | 49 | | | | | | | | | | |
| 10 | 3/8 | 5/8 | -0610 | 5/8 | 16 | 3/4 | 19 | TP540-0610 | 0.91 | 23 | 1.97 | 50 | TP570-0610 | 0.71 | 18 | 1.77 | 45 | 0.91 | 23 | | | |

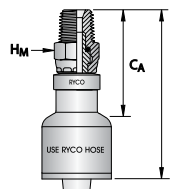
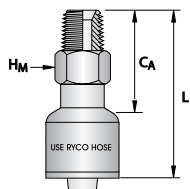
NOTE: Hose Compatibility for the TP000 series can be found on page 305.

TT000 ONE-PIECE CRIMP COUPLINGS

| HOSE COMPATIBILITY FOR TT000 SERIES | |
|--|--------------|
| For RYCO Hose Series RTH1 (all sizes). | SKIVE |

| BSPT | TT010 | TT320 |
|------|-------|-------|
|------|-------|-------|

60° SEAT

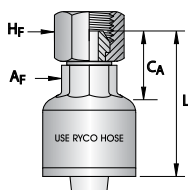


| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | BSPT MALE | | | | BSPT MALE SWIVEL | | | | | | |
|-----------|------|-----------|-----------|-------------------------|-----------|-------------------|----------------|----|------------------|----|-------------------|----------------|----|------|----|
| DN | inch | inch | | H _M -SPANNER | | PART NO | C _A | | L | | PART NO | C _A | | L | |
| | | | | inch | mm | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | | 14 | TT010-0404 | 1.26 | 32 | 2.17 | 55 | | | | | |
| 10 | 3/8 | 1/4 | -0604 | | 14 | TT010-0604 | 1.42 | 36 | 2.40 | 61 | | | | | |
| 10 | 3/8 | 3/8 | -0606 | 3/4 | 19 | TT010-0606 | 1.38 | 35 | 2.36 | 60 | | | | | |
| 10 | 3/8 | 1/2 | -0608 | 7/8 | 22 | TT010-0608 | 1.61 | 41 | 2.56 | 65 | | | | | |
| 12 | 1/2 | 3/8 | -0806 | 3/4 | 19 | TT010-0806 | 1.50 | 38 | 2.56 | 65 | | | | | |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | TT010-0808 | 1.65 | 42 | 2.72 | 69 | TT320-0808 | 2.01 | 51 | 3.11 | 79 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | TT010-1212 | 1.85 | 47 | 3.19 | 81 | | | | | |
| 25 | 1 | 1 | -1616 | | 36 | TT010-1616 | 2.09 | 53 | 3.50 | 89 | | | | | |

NOTE: This "Live Swivel" TT320 Series Insert is for Maximum Working Pressure: 350 bar (5100 psi): -08 Thread Size. Its swivel capability is to allow easy installation and orientation and avoid twisting of hose. It is not designed for continuous rotation or continuous movement.

| BSPP | TT020 |
|------|-------|
|------|-------|

60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP A _F | FEMALE HEX | BSPP FEMALE | | | | | | |
|-----------|------|-----------|-----------|-------------------------|------------|-------------------------|----|-------------------|----------------|----|------|----|
| DN | inch | inch | | A _F -SPANNER | | H _F -SPANNER | | PART NO | C _A | | L | |
| | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | | 12 | 3/4 | 19 | TT020-0404 | 0.91 | 23 | 1.77 | 45 |
| 10 | 3/8 | 3/8 | -0606 | 9/16 | | 7/8 | 22 | TT020-0606 | 1.02 | 26 | 2.01 | 51 |
| 12 | 1/2 | 1/2 | -0808 | 5/8 | 16 | 1.1/16 | 27 | TT020-0808 | 1.10 | 28 | 2.17 | 55 |
| 16 | 5/8 | 1/2 | -1008 | 13/16 | | 1.1/16 | 27 | TT020-1008 | 1.18 | 30 | 2.56 | 65 |
| 19 | 3/4 | 3/4 | -1212 | 15/16 | 24 | 1.1/4 | 32 | TT020-1212 | 1.30 | 33 | 2.60 | 66 |
| 25 | 1 | 1 | -1616 | 1.1/4 | 32 | 1.1/2 | 38 | TT020-1616 | 1.50 | 38 | 2.91 | 74 |

NOTE: Hose Compatibility for the TT000 series can be found on page 319.

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HOSE

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ADAPTORS

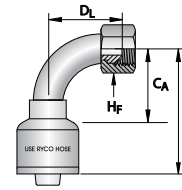
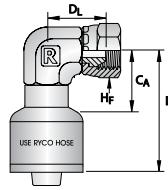
TECHNICAL

COUPLINGS

TT000 ONE-PIECE CRIMP COUPLINGS

| | | |
|-------------|--------------|--------------|
| BSPP | TT050 | TT260 |
|-------------|--------------|--------------|

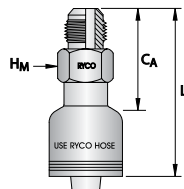
60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | BSPP FEMALE 90° ELBOW | | | | | | BSPP FEMALE 90° BEND | | | | | | | |
|-----------|------|-----------|-----------|------------|-----------------------|---------|---------|---------|---------|---------|----------------------|-------------------|----------|---------|---------|---------|---------|--|
| DN | inch | inch | | HF-SPANNER | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | inch mm | | inch mm | inch mm | inch mm | inch mm | inch mm | | inch mm | inch mm | inch mm | inch mm | inch mm | inch mm | |
| 6 | 1/4 | 1/4 | -0404 | 3/4 19 | | | | | | | | TT260-0404 | 1.26 32 | 2.17 55 | 1.14 29 | | | |
| 10 | 3/8 | 3/8 | -0606 | 7/8 22 | | | | | | | | TT260-0606 | 1.38 35 | 2.32 59 | 1.30 33 | | | |
| 12 | 1/2 | 1/2 | -0808 | 1.1/16 27 | TT050-0808 | 1.46 37 | 2.56 65 | 1.22 31 | | | TT260-0808 | 1.61 41 | 2.68 68 | 1.77 45 | | | | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 32 | | | | | | | TT260-1212 | 2.32 59 | 3.62 92 | 2.32 59 | | | | |
| 25 | 1 | 1 | -1616 | 1.1/2 38 | | | | | | | TT260-1616 | 2.68 68 | 4.09 104 | 3.07 78 | | | | |

| | |
|-------------------|----------------------|
| JIC - MALE | TT030 - TT031 |
|-------------------|----------------------|

37° FLARE



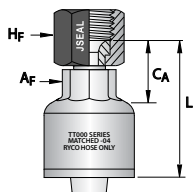
| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | JIC MALE | | | | | |
|-----------|------|-----------|-----------|------------|-------------------|---------|---------|---------|---------|--|
| DN | inch | inch | | HM-SPANNER | PART NO | CA | | L | | |
| | | | | inch mm | | inch mm | inch mm | inch mm | inch mm | |
| 6 | 1/4 | 7/16 | -0407 | 1/2 12 | TT030-0407 | 1.26 32 | 2.17 55 | | | |
| | | | | | TT031-0407 | | | | | |
| 6 | 1/4 | 1/2 | -0408 | 14 | TT030-0408 | 1.22 31 | 2.13 54 | | | |
| 6 | 1/4 | 9/16 | -0409 | 5/8 16 | TT030-0409 | 1.26 32 | 2.17 55 | | | |
| 10 | 3/8 | 9/16 | -0609 | 5/8 16 | TT030-0609 | 1.42 36 | 2.36 60 | | | |
| 10 | 3/8 | 3/4 | -0612 | 3/4 19 | TT030-0612 | 1.46 37 | 2.44 62 | | | |
| 12 | 1/2 | 3/4 | -0812 | 3/4 19 | TT030-0812 | 1.57 40 | 2.64 67 | | | |
| 12 | 1/2 | 7/8 | -0814 | 15/16 24 | TT030-0814 | 1.69 43 | 2.76 70 | | | |

NOTE: Hose Compatibility for the **TT000** series can be found on page 319.

TT000 ONE-PIECE CRIMP COUPLINGS

JSEAL™ / JIC TT040 - TT041

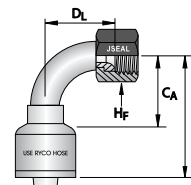
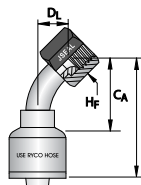
CONVEX SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP AF | FEMALE HEX | | JSEAL™/ JIC FEMALE | | | | | |
|-----------|------|-----------|-----------|------------|------------|------------|--------------------|-------------------|------|----|------|----|
| DN | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 7/16 | -0407 | 1/2 | | 9/16 | | TT040-0407 | 0.75 | 19 | 1.61 | 41 |
| | | | | | 12 | | 14 | TT041-0407 | | | | |
| 6 | 1/4 | 1/2 | -0408 | 1/2 | | 5/8 | 16 | TT040-0408 | 0.83 | 21 | 1.73 | 44 |
| 6 | 1/4 | 9/16 | -0409 | 1/2 | | 11/16 | | TT040-0409 | 0.87 | 22 | 1.77 | 45 |
| | | | | | 12 | 3/4 | 19 | TT041-0409 | | | | |
| 10 | 3/8 | 9/16 | -0609 | 9/16 | | 11/16 | | TT040-0609 | 0.87 | 22 | 1.81 | 46 |
| | | | | 9/16 | | 3/4 | 19 | TT041-0609 | | | | |
| 10 | 3/8 | 3/4 | -0612 | 9/16 | | 7/8 | 22 | TT040-0612 | 1.02 | 26 | 1.97 | 50 |
| 12 | 1/2 | 3/4 | -0812 | 5/8 | 16 | 7/8 | 22 | TT040-0812 | 0.94 | 24 | 2.01 | 51 |
| 12 | 1/2 | 7/8 | -0814 | 5/8 | 16 | 1.1/16 | 27 | TT040-0814 | 1.06 | 27 | 2.13 | 54 |
| 16 | 5/8 | 7/8 | -1014 | 13/16 | | 1.1/16 | 27 | TT040-1014 | 1.06 | 27 | 2.40 | 61 |
| 16 | 5/8 | 1.1/16 | -1017 | 13/16 | | 1.1/4 | 32 | TT040-1017 | 1.18 | 30 | 2.56 | 65 |
| 19 | 3/4 | 7/8 | -1214 | 15/16 | 24 | 1.1/16 | 27 | TT040-1214 | 1.34 | 34 | 2.64 | 67 |
| 19 | 3/4 | 1.1/16 | -1217 | 15/16 | 24 | 1.1/4 | 32 | TT040-1217 | 1.22 | 31 | 2.52 | 64 |
| 25 | 1 | 1.5/16 | -1621 | 1.1/4 | 32 | 1.1/2 | 38 | TT040-1621 | 1.38 | 35 | 2.80 | 71 |

JSEAL™ / JIC TT250 - TT251 TT240 - TT241

CONVEX SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | | JSEAL™/ JIC FEMALE 45° BEND | | | | | JSEAL™/ JIC FEMALE 90° BEND | | | | | | | | | | |
|-----------|------|-----------|-----------|------------|----|-----------------------------|------|------|------|------|-----------------------------|------|----|---------|-------------------|------|----|------|-----|------|----|
| DN | inch | inch | | Hf-SPANNER | | PART NO | | CA | | L | | DL | | PART NO | | CA | | L | | DL | |
| | | | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 7/16 | -0407 | 9/16 | | | | | | | | | | | TT240-0407 | 1.54 | 39 | 2.44 | 62 | 1.26 | 32 |
| | | | | | 14 | | | | | | | | | | TT241-0407 | | | | | | |
| 6 | 1/4 | 1/2 | -0408 | 5/8 | 16 | | | | | | | | | | TT240-0408 | 1.26 | 32 | 2.17 | 55 | 1.26 | 32 |
| 6 | 1/4 | 9/16 | -0409 | 11/16 | | | | | | | | | | | TT240-0409 | 1.30 | 33 | 2.20 | 56 | 1.50 | 38 |
| | | | | 3/4 | 19 | | | | | | | | | | TT241-0409 | | | | | | |
| 10 | 3/8 | 9/16 | -0609 | 11/16 | | TT250-0609 | 1.50 | 38 | 2.48 | 63 | 0.55 | 14 | | | TT240-0609 | 1.34 | 34 | 2.32 | 59 | 1.02 | 26 |
| | | | | 3/4 | 19 | TT251-0609 | | | | | | | | | TT241-0609 | | | | | | |
| 10 | 3/8 | 3/4 | -0612 | 7/8 | 22 | | | | | | | | | | TT240-0612 | 1.38 | 35 | 2.36 | 60 | 1.18 | 30 |
| 12 | 1/2 | 3/4 | -0812 | 7/8 | 22 | | | | | | | | | | TT240-0812 | 1.61 | 41 | 2.68 | 68 | 1.50 | 38 |
| 12 | 1/2 | 7/8 | -0814 | 1.1/16 | 27 | TT250-0814 | 1.85 | 47 | 2.91 | 74 | 0.87 | 22 | | | TT240-0814 | 1.61 | 41 | 2.68 | 68 | 1.61 | 41 |
| 16 | 5/8 | 7/8 | -1014 | 1.1/16 | 27 | | | | | | | | | | TT240-1014 | 1.77 | 45 | 3.11 | 79 | 1.85 | 47 |
| 19 | 3/4 | 1.1/16 | -1217 | 1.1/4 | 32 | | | | | | | | | | TT240-1217 | 2.32 | 59 | 3.62 | 92 | 2.24 | 57 |
| 25 | 1 | 1.5/16 | -1621 | 1.1/2 | 38 | | | | | | | | | | TT240-1621 | 2.68 | 68 | 4.09 | 104 | 2.83 | 72 |

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

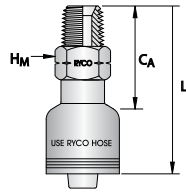
TECHNICAL

COUPLINGS

TT000 ONE-PIECE CRIMP COUPLINGS

| | |
|------------|--------------|
| NPT | TT090 |
|------------|--------------|

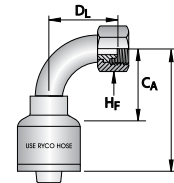
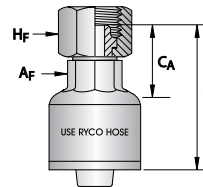
60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | | NPT MALE | | | | | |
|-----------|------|-----------|-----------|------------|----|-------------------|--|------|----|------|----|
| DN | inch | inch | | HM-SPANNER | | PART NO | | CA | | L | |
| | | | | inch | mm | | | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | 9/16 | | TT090-0404 | | 1.26 | 32 | 2.17 | 55 |
| 10 | 3/8 | 3/8 | -0606 | 3/4 | 19 | TT090-0606 | | 1.38 | 35 | 2.36 | 60 |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | TT090-0808 | | 1.65 | 42 | 2.72 | 69 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | TT090-1212 | | 1.85 | 47 | 3.19 | 81 |
| 25 | 1 | 1 | -1616 | 1.3/8 | | TT090-1616 | | 2.09 | 53 | 3.50 | 89 |

| | | |
|---------------------|--------------|--------------|
| METRIC - DKL | TT600 | TT670 |
|---------------------|--------------|--------------|

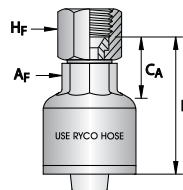
DKL 24°/60° CONE



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | DKL FEMALE 24°/60° CONE | | | | DKL FEMALE 24°/60° CONE 90° TUBE BEND | | | | | | | | | |
|-----------|------|-----------|-----------|------------|----|------------|----|-------------------------|------|------|------|---------------------------------------|-------------------|---------|----|------|----|------|----|------|----|
| DN | inch | inch | | AF-SPANNER | | HF-SPANNER | | PART NO | | CA | | L | | PART NO | | CA | | L | | DL | |
| | | | | inch | mm | inch | mm | | | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 14 | -0414 | 12 | | 17 | | TT600-0414 | 1.06 | 27 | 1.97 | 50 | TT670-0414 | 1.06 | 27 | 1.97 | 50 | 1.22 | 31 | | |
| 12 | 1/2 | 22 | -0822 | 5/8 | 16 | 1.1/16 | 27 | TT600-0822 | 1.22 | 31 | 2.28 | 58 | TT670-0822 | 1.57 | 40 | 2.64 | 67 | 1.73 | 44 | | |

| | |
|------------|--------------|
| SAE | TT540 |
|------------|--------------|

45° FLARE



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | SAE FEMALE | | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|------------|----|-------------------|------|------|------|------|----|
| DN | inch | inch | inch | | AF-SPANNER | | HF-SPANNER | | PART NO | | CA | | L | |
| | | | | | inch | mm | inch | mm | | | inch | mm | inch | mm |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 1/2 | | 9/16 | | TT540-0407 | 1.02 | 26 | 1.93 | 49 | |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 1/2 | | 5/8 | 16 | TT540-0408 | 1.02 | 26 | 1.93 | 49 | |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 9/16 | | 3/4 | 19 | TT540-0610 | 1.22 | 31 | 2.17 | 55 | |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 9/16 | | 7/8 | 22 | TT540-0612 | 1.02 | 26 | 1.97 | 50 | |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 5/8 | 16 | 7/8 | 22 | TT540-0812 | 1.30 | 33 | 2.36 | 60 | |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 5/8 | 16 | 1.1/16 | 27 | TT540-0814 | 1.30 | 33 | 2.40 | 61 | |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 13/16 | | 1.1/16 | 27 | TT540-1014 | 1.06 | 27 | 2.40 | 61 | |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 13/16 | | 1.1/4 | 32 | TT540-1017 | 1.18 | 30 | 2.56 | 65 | |
| 19 | 3/4 | 7/8 | 5/8 | -1214 | 15/16 | 24 | 1.1/16 | 27 | TT540-1214 | 1.34 | 34 | 2.64 | 67 | |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 15/16 | 24 | 1.1/4 | 32 | TT540-1217 | 1.22 | 31 | 2.52 | 64 | |

TG000 ONE-PIECE CRIMP COUPLINGS

HOSE COMPATIBILITY FOR TG000 SERIES

For RYCO Hose Series TPGL.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

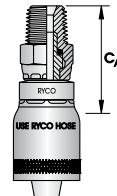
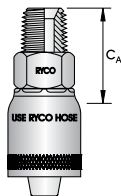
TECHNICAL

BSPT

TG010

TG320

60° SEAT



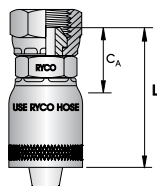
| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | | BSPT MALE | | | | BSPT MALE SWIVEL | | | | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|-------------------|--|------|----|------------------|----|-------------------|------|----|------|----|--|
| DN | inch | inch | inch | | HM-SPANNER | | PART NO | | CA | | L | | PART NO | | CA | | L | |
| | | | | | inch | mm | | | inch | mm | inch | mm | | inch | mm | inch | mm | |
| 4 | 1/8 | 1/8 | 1/8 | -0202 | | 12 | TG010-0202 | | 1.02 | 26 | 1.93 | 49 | TG320-0202 | 0.91 | 23 | 1.81 | 46 | |

NOTE: This "Live Swivel" **TG320** Series Insert is for Maximum Working Pressure: 420 bar (6100 psi): -02 Thread Size. Its swivel capability is to allow easy installation and orientation and avoid twisting of hose. It is not designed for continuous rotation or continuous movement.

BSPP

TG020

60° SEAT



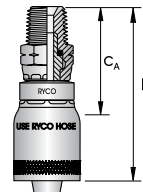
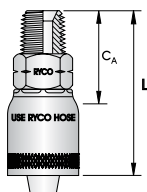
| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | | FEMALE HEX | | BSPP FEMALE | | | | | |
|-----------|------|-----------|-----------|------------|----|------------|----|-------------------|--|------|----|------|----|
| DN | inch | inch | | HM-SPANNER | | HF-SPANNER | | PART NO | | CA | | L | |
| | | | | inch | mm | inch | mm | | | inch | mm | inch | mm |
| 4 | 1/8 | 1/8 | -0202 | | 12 | | 14 | TG020-0202 | | 0.94 | 24 | 1.85 | 47 |

NPT

TG090

TG320N

60° SEAT



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | | NPT MALE | | | | NPT MALE SWIVEL | | | | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|-------------------|--|------|----|-----------------|----|--------------------|------|----|------|----|--|
| DN | inch | inch | inch | | HM-SPANNER | | PART NO | | CA | | L | | PART NO | | CA | | L | |
| | | | | | inch | mm | | | inch | mm | inch | mm | | inch | mm | inch | mm | |
| 4 | 1/8 | 1/8 | 1/8 | -0202 | | 12 | TG090-0202 | | 1.02 | 26 | 1.93 | 49 | TG320N-0202 | 0.91 | 23 | 1.81 | 46 | |

NOTE: This "Live Swivel" **TG320N** Series Insert is for Maximum Working Pressure: 420 bar (6100 psi): -02 Thread Size. Its swivel capability is to allow easy installation and orientation and avoid twisting of hose. It is not designed for continuous rotation or continuous movement.

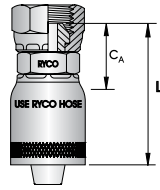
NOTE: Hose Compatibility for the **TG000** series can be found on page 323.

COUPLINGS

TG000 ONE-PIECE CRIMP COUPLINGS

| | |
|-------------|---------------|
| NPSM | TG020N |
|-------------|---------------|

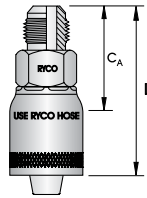
60° SEAT



| HOSE SIZE | | | | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | | FEMALE HEX | | NPSM FEMALE | | | |
|-----------|------|------|------|-----------|------------|-----------|------------|----|--------------------|------|-------------|------|------|----|
| DN | inch | inch | inch | | HM-SPANNER | | HF-SPANNER | | PART NO | | CA | | L | |
| | | | | | inch | mm | inch | mm | | | inch | mm | inch | mm |
| 4 | 1/8 | 1/8 | 1/8 | -0202 | 7/16 | 11 | 9/16 | | TG020N-0202 | 0.98 | 25 | 1.89 | 48 | |

| | |
|-------------------|--------------|
| JIC - MALE | TG030 |
|-------------------|--------------|

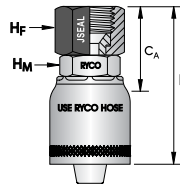
37° FLARE



| HOSE SIZE | | | | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | JIC MALE | | | | | | |
|-----------|------|------|------|-----------|------------|-----------|-------------------|----------|------|------|------|----|--|--|
| DN | inch | inch | inch | | HM-SPANNER | | PART NO | | CA | | L | | | |
| | | | | | inch | mm | | | inch | mm | inch | mm | | |
| 4 | 1/8 | 7/16 | 1/4 | -0207 | 1/2 | | TG030-0207 | 1.10 | 28 | 2.01 | 51 | | | |

| | |
|---------------------|--------------|
| JSEAL™ / JIC | TG040 |
|---------------------|--------------|

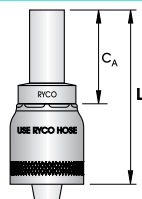
CONVEX SEAT



| HOSE SIZE | | | | THRD SIZE | DASH SIZE | MALE HEX | FEMALE HEX | JSEAL™ / JIC FEMALE | | | | | | |
|-----------|------|------|-------|-----------|------------|----------|------------|---------------------|---------|----|------|----|------|----|
| DN | inch | inch | inch | | HM-SPANNER | | HF-SPANNER | | PART NO | | CA | | L | |
| | | | | | inch | mm | inch | mm | | | inch | mm | inch | mm |
| 4 | 1/8 | 7/16 | -0207 | 7/16 | 11 | 9/16 | | TG040-0207 | 0.87 | 22 | 1.77 | 45 | | |

| | |
|------------------|--------------|
| STANDPIPE | TG640 |
|------------------|--------------|

METRIC



| HOSE SIZE | | | | TUBE SIZE | DASH SIZE | METRIC STANDPIPE | | | | | | | |
|-----------|------|----|-------|-------------------|-----------|------------------|------|------|----|--|--|--|--|
| DN | inch | mm | | PART NO | | CA | | L | | | | | |
| | | | | | | inch | mm | inch | mm | | | | |
| 4 | 1/8 | 6 | -0206 | TG640-0206 | 1.22 | 31 | 2.13 | 54 | | | | | |
| 4 | 1/8 | 8 | -0208 | TG640-0208 | 1.22 | 31 | 2.13 | 54 | | | | | |

TW4000 ONE-PIECE CRIMP COUPLINGS

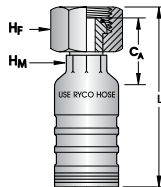
HOSE COMPATIBILITY FOR TW4000 SERIES

For RYCO Hose Series SHOCKWAVE.

BSP0

TW4027

60° SEAT
O RING

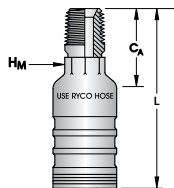


| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | FEMALE HEX | BSP0 FEMALE O RING | | | | |
|-----------|------|-----------|-----------|-----------|-----------------------|-----------------------|--------------------|---------------|----|--------------|----|
| DN | inch | inch | inch | | HM-SPANNER inch mm | Hf-SPANNER inch mm | PART NO | CA inch mm | | L inch mm | |
| 10 | 3/8 | 3/8 | 3/8 | -0606 | 11/16 | 7/8 22 | TW4027-0606 | 1.10 | 28 | 3.07 | 78 |
| 12 | 1/2 | 1/2 | 1/2 | -0808 | 11/16 | 1.1/16 27 | TW4027-0808 | 1.14 | 29 | 3.31 | 84 |
| 19 | 3/4 | 3/4 | 3/4 | -1212 | 1.1/16 27 | 1.1/4 32 | TW4027-1212 | 1.26 | 32 | 3.58 | 91 |
| 25 | 1 | 1 | 1 | -1616 | 1.1/4 32 | 1.1/2 38 | TW4027-1616 | 1.50 | 38 | 3.74 | 95 |

NPT

TW4090

NPT MALE
60° SEAT

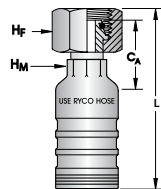


| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | NPT MALE | | | | |
|-----------|------|-----------|-----------|-----------|-----------------------|--------------------|---------------|----|--------------|-----|
| DN | inch | inch | inch | | HM-SPANNER inch mm | PART NO | CA inch mm | | L inch mm | |
| 10 | 3/8 | 3/8 | 3/8 | -0606 | 11/16 | TW4090-0606 | 1.61 | 41 | 3.58 | 91 |
| 12 | 1/2 | 1/2 | 1/2 | -0808 | 7/8 22 | TW4090-0808 | 1.85 | 47 | 4.02 | 102 |
| 19 | 3/4 | 3/4 | 3/4 | -1212 | 1.1/16 27 | TW4090-1212 | 2.01 | 51 | 4.29 | 109 |
| 25 | 1 | 1 | 1 | -1616 | 1.3/8 | TW4090-1616 | 2.32 | 59 | 4.57 | 116 |

METRIC - DKOS

TW4711

DKOS
METRIC O RING (HEAVY)
24° CONE



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | FEMALE HEX | DKOS FEMALE 24° CONE | | | | |
|-----------|------|-----------|-----------|-----------|-----------------------|-----------------------|----------------------|---------------|----|--------------|-----|
| DN | inch | inch | inch | | HM-SPANNER inch mm | Hf-SPANNER inch mm | PART NO | CA inch mm | | L inch mm | |
| 10 | 3/8 | 22 | 14 | -0622 | 11/16 | 1.1/16 27 | TW4711-0622 | 1.34 | 34 | 3.35 | 85 |
| 10 | 3/8 | 24 | 16 | -0624 | 11/16 | 1.1/4 32 | TW4711-0624 | 1.38 | 35 | 3.35 | 85 |
| 12 | 1/2 | 24 | 16 | -0824 | 11/16 | 1.1/4 32 | TW4711-0824 | 1.42 | 36 | 3.58 | 91 |
| 19 | 3/4 | 36 | 25 | -1236 | 1.1/16 27 | 46 | TW4711-1236 | 1.77 | 45 | 4.06 | 103 |
| 25 | 1 | 42 | 30 | -1642 | 1.1/4 32 | 2 50 | TW4711-1642 | 1.89 | 48 | 4.13 | 105 |

NOTE: Hose Compatibility for the TW4000 series can be found on 325.

COUPLINGS

8000 SERIES PUSH-ON COUPLINGS

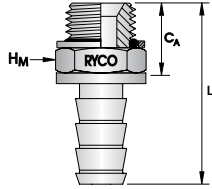
HOSE COMPATIBILITY FOR 8000 SERIES

For RYCO Hose Series PL1D and RQP6 all sizes.

BSPP

8111

**60° SEAT
O RING & RETAINING
RING SUPPLIED**

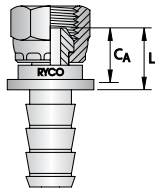


| HOSE SIZE | | THREAD SIZE | DASH SIZE | MALE HEX | | BSPP O RING MALE | | | | |
|-----------|------|-------------|-----------|------------|----|------------------|----------------|----|------|----|
| DN | inch | inch | | HM-SPANNER | | PART NO | C _A | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 16 | 5/8 | 1/2 | -1008 | 7/8 | 22 | 8111-1008 | 0.94 | 24 | 1.93 | 49 |

BSPP

8020

60° SEAT



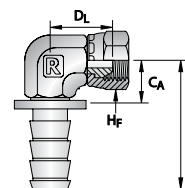
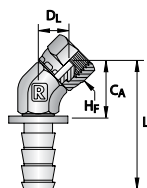
| HOSE SIZE | | THREAD SIZE | DASH SIZE | FEMALE HEX | | BSPP FEMALE | | | | |
|-----------|------|-------------|-----------|------------|----|------------------|----------------|----|------|----|
| DN | inch | inch | | HF-SPANNER | | PART NO | C _A | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 1/8 | -0402 | | 14 | 8020-0402 | 0.59 | 15 | 1.34 | 34 |
| 6 | 1/4 | 1/4 | -0404 | 3/4 | 19 | 8020-0404 | 0.59 | 15 | 1.38 | 35 |
| 6 | 1/4 | 3/8 | -0406 | 7/8 | 22 | 8020-0406 | 0.67 | 17 | 1.46 | 37 |
| 8 | 5/16 | 1/8 | -0502 | | 14 | 8020-0502 | 0.59 | 15 | 1.34 | 34 |
| 8 | 5/16 | 1/4 | -0504 | 3/4 | 19 | 8020-0504 | 0.59 | 15 | 1.38 | 35 |
| 10 | 3/8 | 3/8 | -0606 | 7/8 | 22 | 8020-0606 | 0.67 | 17 | 1.54 | 39 |
| 10 | 3/8 | 1/2 | -0608 | 1.1/16 | 27 | 8020-0608 | 0.75 | 19 | 1.61 | 41 |
| 12 | 1/2 | 1/2 | -0808 | 1.1/16 | 27 | 8020-0808 | 0.75 | 19 | 1.73 | 44 |
| 16 | 5/8 | 1/2 | -1008 | 1.1/16 | 27 | 8020-1008 | 0.75 | 19 | 1.73 | 44 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | 8020-1212 | 0.75 | 19 | 2.17 | 55 |

NOTE: Hose Compatibility for the **8000** series can be found on page 326.

8000 SERIES PUSH-ON COUPLINGS

| | | |
|-------------|-------------|-------------|
| BSPP | 8060 | 8050 |
|-------------|-------------|-------------|

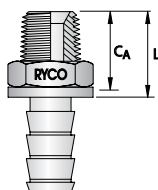
60° SEAT



| HOSE SIZE | THRD SIZE | DASH SIZE | FEMALE HEX | BSPP FEMALE 45° ELBOW | | | | | | BSPP FEMALE 90° ELBOW | | | | | | | | | | |
|-----------|-----------|-----------|------------|-----------------------|----|------------------|------|------|------|-----------------------|------|------|------------------|------------------|------|------|------|------|------|----|
| | | | | HF-SPANNER | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | | |
| DN | inch | inch | | inch | mm | | | inch | mm | inch | mm | inch | | mm | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | 3/4 | 19 | | | | | | | | | 8050-0404 | 0.51 | 13 | 1.30 | 33 | 0.94 | 24 |
| 8 | 5/16 | 1/4 | -0504 | 3/4 | 19 | | | | | | | | | 8050-0504 | 0.51 | 13 | 1.30 | 33 | 0.94 | 24 |
| 10 | 3/8 | 3/8 | -0606 | 7/8 | 22 | | | | | | | | | 8050-0606 | 0.67 | 17 | 1.54 | 39 | 1.14 | 29 |
| 12 | 1/2 | 1/2 | -0808 | 1.1/16 | 27 | | | | | | | | | 8050-0808 | 0.75 | 19 | 1.77 | 45 | 1.22 | 31 |
| 16 | 5/8 | 1/2 | -1008 | 1.1/16 | 27 | | | | | | | | | 8050-1008 | 0.83 | 21 | 1.85 | 47 | 1.38 | 35 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | 8060-1212 | 1.18 | 30 | 2.60 | 66 | 0.79 | 20 | 8050-1212 | 0.87 | 22 | 2.28 | 58 | 1.42 | 36 | |

| | |
|-------------|-------------|
| BSPT | 8010 |
|-------------|-------------|

60° SEAT



| HOSE SIZE | THREAD SIZE | DASH SIZE | MALE HEX | BSPT MALE | | | | | | |
|-----------|-------------|-----------|----------|------------|----|------------------|------|------|------|------|
| | | | | HM-SPANNER | | PART NO | CA | | L | |
| DN | inch | inch | | inch | mm | | | inch | mm | inch |
| 6 | 1/4 | 1/8 | -0402 | | 12 | 8010-0402 | 0.71 | 18 | 1.46 | 37 |
| 6 | 1/4 | 1/4 | -0404 | | 14 | 8010-0404 | 0.87 | 22 | 1.65 | 42 |
| 6 | 1/4 | 3/8 | -0406 | 3/4 | 19 | 8010-0406 | 0.87 | 22 | 1.65 | 42 |
| 8 | 5/16 | 1/8 | -0502 | | 12 | 8010-0502 | 0.71 | 18 | 1.46 | 37 |
| 8 | 5/16 | 1/4 | -0504 | | 14 | 8010-0504 | 0.87 | 22 | 1.65 | 42 |
| 8 | 5/16 | 3/8 | -0506 | 3/4 | 19 | 8010-0506 | 0.87 | 22 | 1.65 | 42 |
| 10 | 3/8 | 1/4 | -0604 | | 14 | 8010-0604 | 0.87 | 22 | 1.73 | 44 |
| 10 | 3/8 | 3/8 | -0606 | 3/4 | 19 | 8010-0606 | 0.87 | 22 | 1.73 | 44 |
| 10 | 3/8 | 1/2 | -0608 | 7/8 | 22 | 8010-0608 | 1.14 | 29 | 2.01 | 51 |
| 12 | 1/2 | 3/8 | -0806 | 3/4 | 19 | 8010-0806 | 0.87 | 22 | 1.89 | 48 |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | 8010-0808 | 1.14 | 29 | 2.13 | 54 |
| 12 | 1/2 | 3/4 | -0812 | 1.1/16 | 27 | 8010-0812 | 1.14 | 29 | 2.13 | 54 |
| 16 | 5/8 | 1/2 | -1008 | 7/8 | 22 | 8010-1008 | 1.14 | 29 | 2.13 | 54 |
| 19 | 3/4 | 1/2 | -1208 | 7/8 | 22 | 8010-1208 | 1.14 | 29 | 2.56 | 65 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 8010-1212 | 1.14 | 29 | 2.56 | 65 |

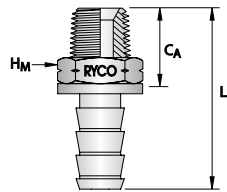
NOTE: Hose Compatibility for the **8000** series can be found on page 326.

COUPLINGS

8000 SERIES PUSH-ON COUPLINGS

| | |
|------------|-------------|
| NPT | 8090 |
|------------|-------------|

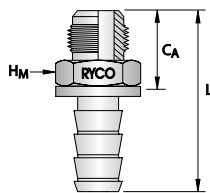
60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | | NPT MALE | | | | |
|-----------|------|-----------|-----------|------------|----|------------------|------|----|------|----|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 1/8 | -0402 | 1/2 | | 8090-0402 | 0.71 | 18 | 1.46 | 37 |
| 6 | 1/4 | 1/4 | -0404 | 9/16 | | 8090-0404 | 0.87 | 22 | 1.65 | 42 |
| 8 | 5/16 | 1/8 | -0502 | 1/2 | | 8090-0502 | 0.71 | 18 | 1.46 | 37 |
| 8 | 5/16 | 1/4 | -0504 | 9/16 | | 8090-0504 | 0.87 | 22 | 1.65 | 42 |
| 10 | 3/8 | 1/4 | -0604 | 9/16 | | 8090-0604 | 0.87 | 22 | 1.73 | 44 |
| 10 | 3/8 | 3/8 | -0606 | 3/4 | 19 | 8090-0606 | 0.87 | 22 | 1.73 | 44 |
| 12 | 1/2 | 3/8 | -0806 | 3/4 | 19 | 8090-0806 | 0.87 | 22 | 1.89 | 48 |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | 8090-0808 | 1.14 | 29 | 2.13 | 54 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 8090-1212 | 1.18 | 30 | 2.60 | 66 |

| | |
|-------------------|-------------|
| JIC - MALE | 8030 |
|-------------------|-------------|

37° FLARE



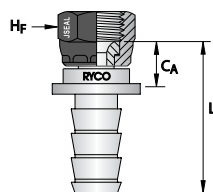
| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | | JIC MALE | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|------------------|------|----|------|----|
| DN | inch | inch | inch | | HM-SPANNER | | PART NO | CA | | L | |
| | | | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 1/2 | | 8030-0407 | 0.87 | 22 | 1.61 | 41 |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 1/2 | | 8030-0408 | 0.87 | 22 | 1.61 | 41 |
| 8 | 5/16 | 1/2 | 5/16 | -0508 | 1/2 | | 8030-0508 | 0.87 | 22 | 1.61 | 41 |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 5/8 | 16 | 8030-0609 | 0.87 | 22 | 1.73 | 44 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 3/4 | 19 | 8030-0612 | 0.94 | 24 | 1.81 | 46 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 3/4 | 19 | 8030-0812 | 0.94 | 24 | 1.97 | 50 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 15/16 | 24 | 8030-0814 | 1.10 | 28 | 2.13 | 54 |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 15/16 | 24 | 8030-1014 | 1.10 | 28 | 2.13 | 54 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/16 | 27 | 8030-1217 | 1.22 | 31 | 2.64 | 67 |

NOTE: Hose Compatibility for the **8000** series can be found on page 326.

8000 SERIES PUSH-ON COUPLINGS

JSEAL™ / JIC 8040

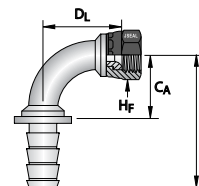
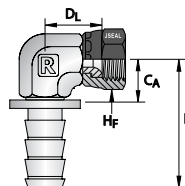
37° FLARE



| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | JSEAL™ / JIC FEMALE | | | | | |
|-----------|------|-----------|-----------|------------|---------------------|------------------|------|----|------|----|
| DN | inch | inch | | HF-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 7/16 | -0407 | 9/16 | | 8040-0407 | 0.51 | 13 | 1.30 | 33 |
| 6 | 1/4 | 1/2 | -0408 | 5/8 | 16 | 8040-0408 | 0.51 | 13 | 1.30 | 33 |
| 6 | 1/4 | 9/16 | -0409 | 11/16 | | 8040-0409 | 0.55 | 14 | 1.30 | 33 |
| 8 | 5/16 | 1/2 | -0508 | 5/8 | 16 | 8040-0508 | 0.51 | 13 | 1.30 | 33 |
| 8 | 5/16 | 9/16 | -0509 | 11/16 | | 8040-0509 | 0.55 | 14 | 1.30 | 33 |
| 10 | 3/8 | 9/16 | -0609 | 11/16 | | 8040-0609 | 0.55 | 14 | 1.42 | 36 |
| 10 | 3/8 | 3/4 | -0612 | 7/8 | 22 | 8040-0612 | 0.59 | 15 | 1.46 | 37 |
| 12 | 1/2 | 3/4 | -0812 | 7/8 | 22 | 8040-0812 | 0.59 | 15 | 1.61 | 41 |
| 12 | 1/2 | 7/8 | -0814 | 1.1/16 | 27 | 8040-0814 | 0.75 | 19 | 1.73 | 44 |
| 16 | 5/8 | 7/8 | -1014 | 1.1/16 | 27 | 8040-1014 | 0.75 | 19 | 1.73 | 44 |
| 19 | 3/4 | 1.1/16 | -1217 | 1.1/4 | 32 | 8040-1217 | 0.79 | 20 | 2.20 | 56 |

JSEAL™ / JIC 8070 8240

CONVEX SEAT



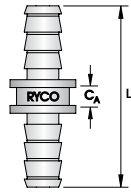
| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | JSEAL™ / JIC FEMALE 90° ELBOW | | | | | | JSEAL™ / JIC FEMALE 90° TUBE BEND | | | | | | | | |
|-----------|------|-----------|-----------|------------|-------------------------------|------------------|------|----|------|----|-----------------------------------|----|------------------|------|----|------|----|------|----|
| DN | inch | inch | | HF-SPANNER | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | inch | mm | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 7/16 | -0407 | 9/16 | | 8070-0407 | 0.59 | 15 | 1.38 | 35 | 0.71 | 18 | | | | | | | |
| 6 | 1/4 | 1/2 | -0408 | 5/8 | 16 | 8070-0408 | 0.51 | 13 | 1.30 | 33 | 0.67 | 17 | | | | | | | |
| 10 | 3/8 | 9/16 | -0609 | 11/16 | | 8070-0609 | 0.67 | 17 | 1.54 | 39 | 0.91 | 23 | 8240-0609 | 1.18 | 30 | 2.05 | 52 | 1.50 | 38 |
| 10 | 3/8 | 3/4 | -0612 | 7/8 | 22 | 8070-0612 | 0.67 | 17 | 1.54 | 39 | 0.94 | 24 | | | | | | | |
| 12 | 1/2 | 3/4 | -0812 | 7/8 | 22 | 8070-0812 | 0.75 | 19 | 1.77 | 45 | 1.06 | 27 | 8240-0812 | 1.50 | 38 | 2.52 | 64 | 1.61 | 41 |
| 12 | 1/2 | 7/8 | -0814 | 1.1/16 | 27 | 8070-0814 | 0.75 | 19 | 1.77 | 45 | 1.22 | 31 | 8240-1014 | 1.69 | 43 | 2.72 | 69 | 1.89 | 48 |
| 19 | 3/4 | 1.1/16 | -1217 | 1.1/4 | 32 | 8070-1217 | 0.87 | 22 | 2.28 | 58 | 1.26 | 32 | | | | | | | |

NOTE: Hose Compatibility for the **8000** series can be found on page 326.

COUPLINGS

8000 SERIES PUSH-ON COUPLINGS

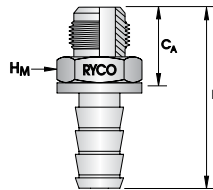
| | |
|---------------|-------------|
| JOINER | 8900 |
|---------------|-------------|



| HOSE SIZE | | DASH SIZE | JOINER | CA | | L | |
|-----------|------|-----------|------------------|------|----|------|----|
| DN | inch | inch | | inch | mm | inch | mm |
| 6 | 1/4 | -0404 | 8900-0404 | 0.31 | 8 | 1.89 | 48 |
| 8 | 5/16 | -0505 | 8900-0505 | 0.31 | 8 | 1.89 | 48 |
| 10 | 3/8 | -0606 | 8900-0606 | 0.31 | 8 | 2.09 | 53 |
| 12 | 1/2 | -0808 | 8900-0808 | 0.35 | 9 | 2.40 | 61 |
| 16 | 5/8 | -1010 | 8900-1010 | 0.20 | 5 | 2.24 | 57 |
| 19 | 3/4 | -1212 | 8900-1212 | 0.35 | 9 | 3.23 | 82 |

| | |
|------------|-------------|
| SAE | 8530 |
|------------|-------------|

45° FLARE



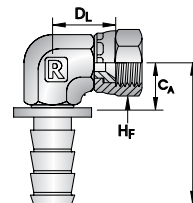
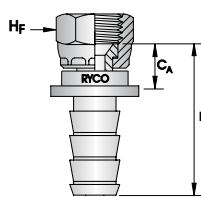
| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | | SAE MALE | | | | |
|-----------|------|-----------|-----------|-----------|------------|---------|------------------|------|------|------|----|
| DN | inch | inch | inch | | HM-SPANNER | PART NO | CA | | L | | |
| | | | | | inch | mm | inch | mm | inch | mm | |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 5/8 | 16 | 8530-0510 | 0.91 | 23 | 1.69 | 43 |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 5/8 | 16 | 8530-0610 | 0.91 | 23 | 1.77 | 45 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/16 | 27 | 8530-1217 | 1.38 | 35 | 2.80 | 71 |

NOTE: Hose Compatibility for the **8000** series can be found on page 326.

8000 SERIES PUSH-ON COUPLINGS

| | | |
|------------|-------------|-------------|
| SAE | 8540 | 8570 |
|------------|-------------|-------------|

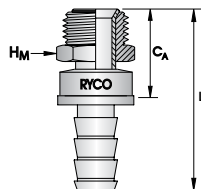
45° FLARE



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | SAE FEMALE | | | | SAE FEMALE 90° ELBOW | | | | | | | | |
|-----------|------|-----------|-----------|-----------|------------|------------|------------------|------|----|----------------------|----|------------------|------|----|------|----|------|----|
| DN | inch | inch | inch | | HF-SPANNER | | PART NO | CA | | L | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 3/4 | 19 | 8540-0510 | 0.55 | 14 | 1.30 | 33 | | | | | | | |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 3/4 | 19 | 8540-0610 | 0.55 | 14 | 1.42 | 36 | 8570-0610 | 0.67 | 17 | 1.54 | 39 | 0.91 | 23 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1.1/4 | 32 | 8540-1017 | 0.67 | 17 | 1.69 | 43 | | | | | | | |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/4 | 32 | 8540-1217 | 0.67 | 17 | 2.09 | 53 | | | | | | | |

| | |
|------------|-------------|
| SAE | 8740 |
|------------|-------------|

INVERTED
MALE FLARE
BRASS



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | SAE INVERTED MALE FLARE | | | | | | |
|-----------|-----------|-----------|-----------|----------|-------------------------|----|------------------|------|----|------|----|
| DN | inch | inch | inch | | HM-SPANNER | | PART NO | CA | | L | |
| | | | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 7/16 | 11 | 8740-0407 | 0.87 | 22 | 1.65 | 42 |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 1/2 | | 8740-0408 | 0.94 | 24 | 1.73 | 44 |
| 8 | 5/16 | 1/2 | 5/16 | -0508 | 1/2 | | 8740-0508 | 0.94 | 24 | 1.73 | 44 |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 5/8 | 16 | 8740-0510 | 1.06 | 27 | 1.85 | 47 |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 5/8 | 16 | 8740-0610 | 1.06 | 27 | 1.93 | 49 |

NOTE: Hose Compatibility for the **8000** series can be found on page 326.

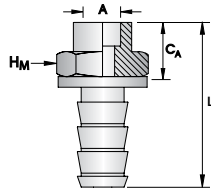
COUPLINGS

8000 SERIES PUSH-ON COUPLINGS

SALVAGE

8230

TUBE WELD

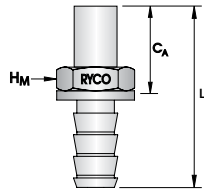


| HOSE SIZE | | A | DASH SIZE | MALE HEX | | SALVAGE (LIFESAVER) | | | | |
|-----------|------|------|-----------|------------|----|---------------------|------|----|------|----|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 3/8 | -0406 | 5/8 | 16 | 8230-0406 | 0.55 | 14 | 1.34 | 34 |
| 10 | 3/8 | 1/4 | -0604 | 1/2 | | 8230-0604 | 0.55 | 14 | 1.42 | 36 |
| 10 | 3/8 | 3/8 | -0606 | 5/8 | 16 | 8230-0606 | 0.55 | 14 | 1.42 | 36 |
| 12 | 1/2 | 1/2 | -0808 | 3/4 | 19 | 8230-0808 | 0.55 | 14 | 1.57 | 40 |
| 12 | 1/2 | 5/8 | -0810 | 7/8 | 22 | 8230-0810 | 0.63 | 16 | 1.65 | 42 |
| 16 | 5/8 | 5/8 | -1010 | 7/8 | 22 | 8230-1010 | 0.63 | 16 | 1.65 | 42 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 8230-1212 | 0.63 | 16 | 2.05 | 52 |

STANDPIPE

8180

IMPERIAL

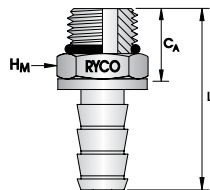


| HOSE SIZE | | TUBE SIZE | DASH SIZE | MALE HEX | | IMPERIAL STANDPIPE | | | | |
|-----------|------|-----------|-----------|------------|----|--------------------|------|----|------|----|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | 1/2 | | 8180-0404 | 1.18 | 30 | 1.93 | 49 |
| 6 | 1/4 | 5/16 | -0405 | 1/2 | | 8180-0405 | 1.18 | 30 | 1.93 | 49 |
| 6 | 1/4 | 3/8 | -0406 | 1/2 | | 8180-0406 | 1.22 | 31 | 1.97 | 50 |
| 10 | 3/8 | 3/8 | -0606 | 9/16 | | 8180-0606 | 1.22 | 31 | 2.09 | 53 |
| 10 | 3/8 | 1/2 | -0608 | 9/16 | | 8180-0608 | 1.22 | 31 | 2.09 | 53 |
| 12 | 1/2 | 1/2 | -0808 | 11/16 | | 8180-0808 | 1.22 | 31 | 2.20 | 56 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 8180-1212 | 1.77 | 45 | 3.19 | 81 |

UNO (O RING BOSS)

8200

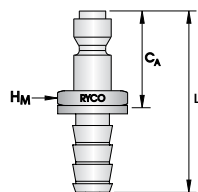
O RING SUPPLIED



| HOSE SIZE | | THR D SIZE | TUBE SIZE | DASH SIZE | MALE HEX | | UN O RING MALE (O RING BOSS) | | | | |
|-----------|------|------------|-----------|-----------|------------|----|------------------------------|------|----|------|----|
| DN | inch | inch | inch | | HM-SPANNER | | PART NO | CA | | L | |
| | | | | | inch | mm | | inch | mm | inch | mm |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 7/8 | 22 | 8200-0812 | 0.79 | 20 | 1.81 | 46 |

NOTE: Hose Compatibility for the **8000** series can be found on page 326.

| | |
|----------------------------|-------------|
| 200 COUPLING NIPPLE | 8100 |
|----------------------------|-------------|

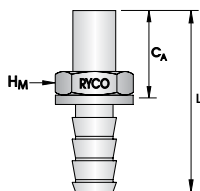


| HOSE SIZE | DASH SIZE | BARB NIPPLES FOR RYCO 200 AIR COUPLING |
|-----------|-----------|--|
|-----------|-----------|--|

| DN | HOSE SIZE | | PART NO | CA | | L | |
|----|-----------|-------|------------------|------|----|------|----|
| | inch | inch | | inch | mm | inch | mm |
| 6 | 1/4 | -0404 | 8100-0404 | 1.06 | 27 | 1.81 | 46 |
| 10 | 3/8 | -0604 | 8100-0604 | 1.06 | 27 | 1.93 | 49 |

| | |
|------------------|-------------|
| STANDPIPE | 8640 |
|------------------|-------------|

METRIC MALE FLARE



| HOSE SIZE | TUBE SIZE | DASH SIZE | MALE HEX | METRIC STANDPIPE | | | | | | | |
|-----------|-----------|-----------|----------|------------------|--|--|--|--|--|--|--|
|-----------|-----------|-----------|----------|------------------|--|--|--|--|--|--|--|

| DN | HOSE SIZE | | DASH SIZE | HM-SPANNER | | PART NO | CA | | L | |
|----|-----------|----|-----------|------------|----|------------------|------|----|------|----|
| | inch | mm | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 6 | -0406 | 1/2 | | 8640-0406 | 1.18 | 30 | 1.93 | 49 |
| 6 | 1/4 | 8 | -0408 | 1/2 | | 8640-0408 | 1.18 | 30 | 1.93 | 49 |
| 19 | 3/4 | 20 | -1220 | 1.1/8 | | 8640-1220 | 1.85 | 47 | 3.27 | 83 |
| 19 | 3/4 | 22 | -1222 | 1.1/8 | | 8640-1222 | 1.54 | 39 | 2.95 | 75 |

NOTE: Hose Compatibility for the **8000** series can be found on page 326.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

COUPLINGS

33000 SERIES SUCTION AND RETURN COUPLINGS

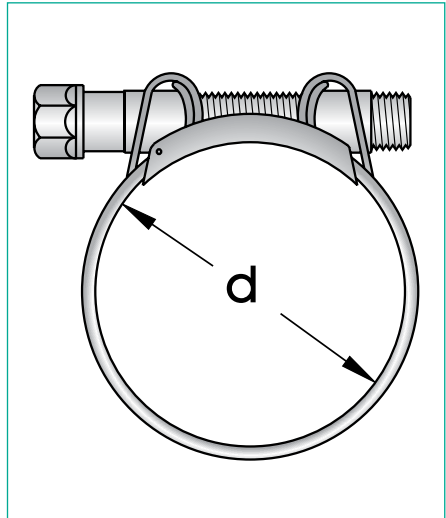
HOSE COMPATIBILITY FOR 33000 SERIES

For RYCO Hose Series SRX and SRF all sizes.

33000 Series require a suitable clamp around the outside of the hose.

| HOSE DASH SIZE | CLAMP PART NO | CLAMP ADJUSTMENT RANGE | RECOMMENDED TIGHTENING TORQUE | |
|----------------|---------------|------------------------|-------------------------------|---------|
| | | | Nm | ft. lbs |
| | | d mm | | |
| -12 | RSC-3134 | 31 to 34 | 20 | 15 |
| -16 | RSC-3740* | 37 to 40 | 20 | 15 |
| | RSC-4043* | 40 to 43 | 20 | 15 |
| -20 | RSC-4347* | 43 to 47 | 20 | 15 |
| | RSC-4751* | 47 to 51 | 20 | 15 |
| -24 | RSC-5155 | 51 to 55 | 20 | 15 |
| -32 | RSC-6368 | 63 to 68 | 25 | 18 |
| -40 | RSC-7379 | 73 to 79 | 25 | 18 |
| -48 | RSC-8591 | 85 to 91 | 25 | 18 |

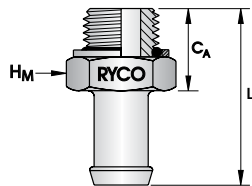
* Due to the manufacturing tolerance on outside diameter of the hose and the range of adjustment of the clamp, it is necessary to confirm correct clamp at time of assembly.



BSPP

33111

O RING & RETAINING RING SUPPLIED



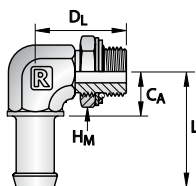
| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | BSPP O RING MALE | | | | | |
|-----------|-------|-----------|-----------|------------|------------------|-------------------|------|----|------|----|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 25 | 1 | 3/4 | -1612 | 1.3/16 | 30 | 33111-1612 | 1.02 | 26 | 2.40 | 61 |
| 25 | 1 | 1 | -1616 | | 36 | 33111-1616 | 1.18 | 30 | 2.56 | 65 |
| 31 | 1.1/4 | 3/4 | -2012 | | 36 | 33111-2012 | 1.02 | 26 | 2.40 | 61 |
| 31 | 1.1/4 | 1 | -2016 | | 36 | 33111-2016 | 1.18 | 30 | 2.56 | 65 |
| 31 | 1.1/4 | 1.1/4 | -2020 | | 46 | 33111-2020 | 1.26 | 32 | 2.64 | 67 |
| 38 | 1.1/2 | 1 | -2416 | 1.5/8 | 41 | 33111-2416 | 1.18 | 30 | 2.56 | 65 |
| 38 | 1.1/2 | 1.1/4 | -2420 | | 46 | 33111-2420 | 1.26 | 32 | 2.64 | 67 |

NOTE: Hose Compatibility for the **33000** series can be found on page 334.

33000 SERIES SUCTION AND RETURN COUPLINGS

| | |
|-------------|--------------|
| BSPP | 33410 |
|-------------|--------------|

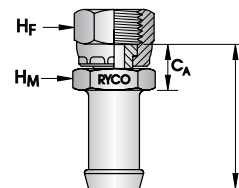
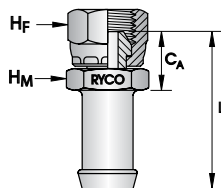
O RING & RETAINING RING



| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | BSPP O RING MALE 90° ELBOW | | | | | | | |
|-----------|-------|-----------|-----------|------------|----------------------------|-------------------|------|----|------|----|------|----|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | inch | mm | | inch | mm | inch | mm | inch | mm |
| 25 | 1 | 1/2 | -1608 | 1.1/16 | 27 | 33410-1608 | 0.98 | 25 | 2.36 | 60 | 1.81 | 46 |
| 25 | 1 | 3/4 | -1612 | 1.1/16 | 27 | 33410-1612 | 0.98 | 25 | 2.36 | 60 | 1.85 | 47 |
| 31 | 1.1/4 | 3/4 | -2012 | 1.5/16 | | 33410-2012 | 1.18 | 30 | 2.56 | 65 | 1.97 | 50 |
| 31 | 1.1/4 | 1 | -2016 | 1.5/16 | | 33410-2016 | 1.18 | 30 | 2.56 | 65 | 2.05 | 52 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.5/8 | 41 | 33410-2020 | 1.42 | 36 | 2.80 | 71 | 2.24 | 57 |
| 38 | 1.1/2 | 1 | -2416 | 1.5/8 | 41 | 33410-2416 | 1.42 | 36 | 2.80 | 71 | 2.24 | 57 |
| 38 | 1.1/2 | 1.1/4 | -2420 | 1.5/8 | 41 | 33410-2420 | 1.42 | 36 | 2.80 | 71 | 2.24 | 57 |

| | | |
|-------------|--------------|--------------|
| BSPP | 33020 | 33024 |
|-------------|--------------|--------------|

60° SEAT FLAT SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | FEMALE HEX | BSPP FEMALE | | | | | | BSPP FEMALE FLAT FACE | | | | | |
|-----------|-------|-----------|-----------|------------|------------|-------------|----|-------------------|------|----|------|-----------------------|-------------------|------|----|------|----|
| DN | inch | inch | | HM-SPANNER | | HF-SPANNER | | PART NO | CA | | L | | PART NO | CA | | L | |
| | | | | inch | mm | inch | mm | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 1.1/4 | 32 | 33020-1212 | 0.94 | 24 | 2.32 | 59 | 33024-1212 | 0.94 | 24 | 2.36 | 60 |
| 25 | 1 | 1 | -1616 | 1.1/4 | 32 | 1.1/2 | 38 | 33020-1616 | 1.06 | 27 | 2.44 | 62 | 33024-1616 | 0.94 | 24 | 2.36 | 60 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.5/8 | 41 | 2 | 50 | 33020-2020 | 1.22 | 31 | 2.64 | 67 | 33024-2020 | 0.98 | 25 | 2.36 | 60 |
| 38 | 1.1/2 | 1.1/2 | -2424 | | 46 | 2.3/16 | 55 | 33020-2424 | 1.26 | 32 | 2.68 | 68 | | | | | |
| 51 | 2 | 2 | -3232 | 2.3/8 | 60 | 2.3/4 | 70 | 33020-3232 | 1.61 | 41 | 2.99 | 76 | | | | | |

NOTE: Hose Compatibility for the **33000** series can be found on page 334.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

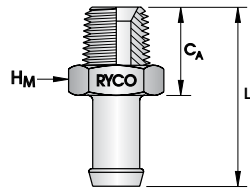
TECHNICAL

COUPLINGS

33000 SERIES SUCTION AND RETURN COUPLINGS

| | |
|-------------|--------------|
| BSPT | 33010 |
|-------------|--------------|

60° SEAT



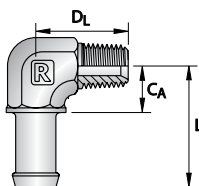
| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | | BSPT MALE | | | | |
|-----------|-------|-----------|-----------|------------|----|-------------------|------|----|------|----|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 19 | 3/4 | 3/8 | -1206 | 1.1/16 | 27 | 33010-1206 | 0.91 | 23 | 2.28 | 58 |
| 19 | 3/4 | 1/2 | -1208 | 7/8 | 22 | 33010-1208 | 1.10 | 28 | 2.48 | 63 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 33010-1212 | 1.10 | 28 | 2.48 | 63 |
| 19 | 3/4 | 1 | -1216 | | 36 | 33010-1216 | 1.42 | 36 | 2.80 | 71 |
| 25 | 1 | 3/4 | -1612 | 1.3/16 | 30 | 33010-1612 | 1.14 | 29 | 2.52 | 64 |
| 25 | 1 | 1 | -1616 | | 36 | 33010-1616 | 1.42 | 36 | 2.80 | 71 |
| 25 | 1 | 1.1/4 | -1620 | | 46 | 33010-1620 | 1.50 | 38 | 2.87 | 73 |
| 31 | 1.1/4 | 3/4 | -2012 | | 36 | 33010-2012 | 1.22 | 31 | 2.60 | 66 |
| 31 | 1.1/4 | 1 | -2016 | | 36 | 33010-2016 | 1.42 | 36 | 2.80 | 71 |
| 31 | 1.1/4 | 1.1/4 | -2020 | | 46 | 33010-2020 | 1.50 | 38 | 2.87 | 73 |
| 31 | 1.1/4 | 1.1/2 | -2024 | 2 | 50 | 33010-2024 | 1.54 | 39 | 2.91 | 74 |
| 38 | 1.1/2 | 1 | -2416 | 1.5/8 | 41 | 33010-2416 | 1.42 | 36 | 2.80 | 71 |
| 38 | 1.1/2 | 1.1/4 | -2420 | | 46 | 33010-2420 | 1.50 | 38 | 2.87 | 73 |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2 | 50 | 33010-2424 | 1.54 | 39 | 2.91 | 74 |
| 51 | 2 | 1 | -3216 | 2.3/16 | 55 | 33010-3216 | 1.54 | 39 | 2.91 | 74 |
| 51 | 2 | 1.1/2 | -3224 | 2.3/16 | 55 | 33010-3224 | 1.57 | 40 | 2.95 | 75 |
| 51 | 2 | 2 | -3232 | | 65 | 33010-3232 | 1.73 | 44 | 3.15 | 80 |

NOTE: Hose Compatibility for the **33000** series can be found on page 334.

33000 SERIES SUCTION AND RETURN COUPLINGS

| | |
|-------------|--------------|
| BSPT | 33400 |
|-------------|--------------|

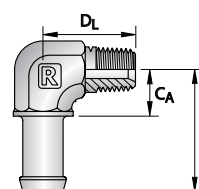
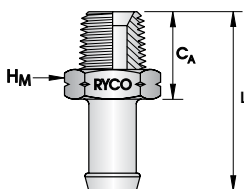
60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | BSPT MALE 90° ELBOW | | | | | | | |
|-----------|-------|-----------|-----------|------------|---------------------|-------------------|------|----|------|----|------|----|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 1/2 | -1208 | 7/8 | 22 | 33400-1208 | 0.87 | 22 | 2.24 | 57 | 1.46 | 37 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 33400-1212 | 0.98 | 25 | 2.36 | 60 | 1.57 | 40 |
| 25 | 1 | 1/2 | -1608 | 1.1/16 | 27 | 33400-1608 | 0.98 | 25 | 2.36 | 60 | 1.69 | 43 |
| 25 | 1 | 3/4 | -1612 | 1.1/16 | 27 | 33400-1612 | 0.98 | 25 | 2.36 | 60 | 1.57 | 40 |
| 25 | 1 | 1 | -1616 | 1.5/16 | | 33400-1616 | 1.18 | 30 | 2.56 | 65 | 1.97 | 50 |
| 25 | 1 | 1.1/4 | -1620 | 1.5/8 | 41 | 33400-1620 | 1.42 | 36 | 2.80 | 71 | 2.40 | 61 |
| 31 | 1.1/4 | 3/4 | -2012 | 1.1/16 | 27 | 33400-2012 | 1.18 | 30 | 2.56 | 65 | 1.77 | 45 |
| 31 | 1.1/4 | 1 | -2016 | 1.1/16 | 27 | 33400-2016 | 1.18 | 30 | 2.56 | 65 | 1.97 | 50 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.5/8 | 41 | 33400-2020 | 1.42 | 36 | 2.80 | 71 | 2.40 | 61 |
| 31 | 1.1/4 | 1.1/2 | -2024 | 1.7/8 | | 33400-2024 | 1.61 | 41 | 2.99 | 76 | 2.64 | 67 |
| 38 | 1.1/2 | 1 | -2416 | 1.5/8 | 41 | 33400-2416 | 1.42 | 36 | 2.80 | 71 | 2.36 | 60 |
| 38 | 1.1/2 | 1.1/4 | -2420 | 1.5/8 | 41 | 33400-2420 | 1.42 | 36 | 2.80 | 71 | 2.36 | 60 |
| 38 | 1.1/2 | 1.1/2 | -2424 | 1.7/8 | | 33400-2424 | 1.61 | 41 | 2.99 | 76 | 2.64 | 67 |
| 51 | 2 | 1.1/4 | -3220 | 2.1/2 | | 33400-3220 | 2.09 | 53 | 3.46 | 88 | 2.95 | 75 |
| 51 | 2 | 1.1/2 | -3224 | 2.1/2 | | 33400-3224 | 2.09 | 53 | 3.46 | 88 | 2.95 | 75 |

| | | |
|------------|--------------|---------------|
| NPT | 33090 | 33400N |
|------------|--------------|---------------|

60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | NPT MALE | | | | NPT MALE 90° ELBOW | | | | | | | | |
|-----------|-------|-----------|-----------|------------|----------|-------------------|------|----|--------------------|----|--------------------|------|----|------|----|------|----|
| DN | inch | inch | | HM-SPANNER | | PART NO | CA | | L | | PART NO | CA | | L | | DL | |
| | | | | inch | mm | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 19 | 3/4 | 1/2 | -1208 | | | | | | | | 33400N-1208 | 0.87 | 22 | 2.24 | 57 | 1.46 | 37 |
| 25 | 1 | 3/4 | -1612 | 1.1/8 | | 33090-1612 | 1.14 | 29 | 2.52 | 64 | | | | | | | |
| 25 | 1 | 1 | -1616 | 1.3/8 | | 33090-1616 | 1.42 | 36 | 2.80 | 71 | 33400N-1616 | 1.18 | 30 | 2.56 | 65 | 1.97 | 50 |
| 31 | 1.1/4 | 3/4 | -2012 | 1.3/8 | | 33090-2012 | 1.22 | 31 | 2.60 | 66 | | | | | | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.3/4 | | 33090-2020 | 1.50 | 38 | 2.87 | 73 | | | | | | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2 | 50 | 33090-2424 | 1.54 | 39 | 2.91 | 74 | | | | | | | |

NOTE: Hose Compatibility for the **33000** series can be found on page 334.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

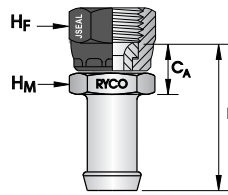
TECHNICAL

COUPLINGS

33000 SERIES SUCTION AND RETURN COUPLINGS

| | |
|--------------|-------|
| JSEAL™ / JIC | 33040 |
|--------------|-------|

CONVEX SEAT

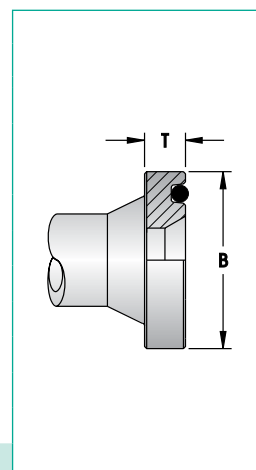


| HOSE SIZE | | THRD SIZE | DASH SIZE | MALE HEX | | FEMALE HEX | | JSEAL™ / JIC FEMALE | | | | |
|-----------|-------|-----------|-----------|------------|----|------------|----|---------------------|------|----|------|----|
| DN | inch | inch | | HM-SPANNER | | HF-SPANNER | | PART NO | Ca | | L | |
| | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 25 | 1 | 1.1/16 | -1617 | 1.1/4 | 32 | 1.1/4 | 32 | 33040-1617 | 0.94 | 24 | 2.36 | 60 |
| 31 | 1.1/4 | 1.5/8 | -2026 | 1.3/4 | | 2 | 50 | 33040-2026 | 1.18 | 30 | 2.56 | 65 |

33000 SERIES SUCTION AND RETURN COUPLINGS

DIMENSIONS FOR SAE CODE 61 AND CODE 62 FLANGES, AND RYCO CODE 62C FLANGES

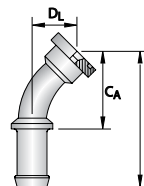
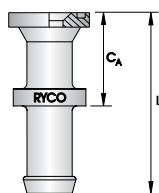
| NOMINAL FLANGE | CODE 61 | | | | CODE 62 | | | | CODE 62C | | | |
|----------------|---------|------|------|-------|---------|------|-------|-------|----------|------|-------|-------|
| | B | | T | | B | | T | | B | | T | |
| inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch |
| 1/2 | 30,2 | 1.19 | 6,73 | 0.265 | 31,8 | 1.25 | 7,75 | 0.305 | | | | |
| 5/8 | 34,0 | 1.34 | 6,73 | 0.265 | | | | | | | | |
| 3/4 | 38,1 | 1.50 | 6,73 | 0.265 | 41,3 | 1.63 | 8,76 | 0.345 | 41,3 | 1.63 | 14,20 | 0.559 |
| 1 | 44,5 | 1.75 | 8,00 | 0.315 | 47,6 | 1.88 | 9,53 | 0.375 | 47,6 | 1.88 | 14,20 | 0.559 |
| 1.1/4 | 50,8 | 2.00 | 8,00 | 0.315 | 54,0 | 2.12 | 10,29 | 0.405 | 54,0 | 2.12 | 14,20 | 0.559 |
| 1.1/2 | 60,3 | 2.38 | 8,00 | 0.315 | 63,5 | 2.50 | 12,57 | 0.495 | 63,5 | 2.50 | 14,20 | 0.559 |
| 2 | 71,4 | 2.81 | 9,53 | 0.375 | 79,4 | 3.13 | 12,57 | 0.495 | 79,4 | 3.13 | 14,20 | 0.559 |
| 2.1/2 | 84,1 | 3.31 | 9,53 | 0.375 | | | | | | | | |
| 3 | 101,6 | 4.00 | 9,53 | 0.375 | | | | | | | | |



NOTE: RYCO Code 62C fittings conform to the flange OD and bolt hole patterns of SAE Code 62 but require special flange clamps. RYCO Code 62C flange heads are thicker than SAE Code 62 and measure T = 14,2 mm (0.559 inch) in all sizes.

| SAE FLANGE | 33130 | 33150 |
|------------|-------|-------|
|------------|-------|-------|

RYCO
CODE 61
CLAMPS - SEE RYCO
ADAPTOR CATALOG
O RING NOT SUPPLIED



| HOSE SIZE | NOM. FLANGE SIZE | DASH SIZE | CODE 61 FLANGE | | | | CODE 61 FLANGE 45° TUBE BEND | | | | | | | | |
|-----------|------------------|-----------|----------------|-------------------|------|------|------------------------------|---------|-------------------|------|------|------|------|------|----|
| | | | PART NO | CA | | L | | PART NO | CA | | L | | DL | | |
| DN | inch | inch | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm | |
| 25 | 1 | 1 | -1616 | 33130-1616 | 1.97 | 50 | 3.35 | 85 | 33150-1616 | 2.99 | 76 | 4.37 | 111 | 1.34 | 34 |
| 25 | 1 | 1.1/4 | -1620 | 33130-1620 | 1.97 | 50 | 3.35 | 85 | 33150-1620 | 2.99 | 76 | 4.37 | 111 | 1.34 | 34 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 33130-2020 | 1.97 | 50 | 3.35 | 85 | 33150-2020 | 3.23 | 82 | 4.61 | 117 | 1.42 | 36 |
| 31 | 1.1/4 | 1.1/2 | -2024 | 33130-2024 | 1.97 | 50 | 3.35 | 85 | 33150-2024 | 3.23 | 82 | 4.61 | 117 | 1.42 | 36 |
| 38 | 1.1/2 | 1.1/4 | -2420 | 33130-2420 | 1.93 | 49 | 3.31 | 84 | | | | | | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | 33130-2424 | 1.97 | 50 | 3.35 | 85 | 33150-2424 | 3.62 | 92 | 5.00 | 127 | 1.50 | 38 |
| 38 | 1.1/2 | 2 | -2432 | 33130-2432 | 2.05 | 52 | 3.43 | 87 | 33150-2432 | 3.66 | 93 | 5.04 | 128 | 1.54 | 39 |
| 51 | 2 | 2 | -3232 | 33130-3232 | 2.05 | 52 | 3.43 | 87 | 33150-3232 | 3.19 | 81 | 4.57 | 116 | 1.50 | 38 |
| 51 | 2 | 2.1/2 | -3240 | 33130-3240 | 2.05 | 52 | 3.43 | 87 | 33150-3240 | 3.19 | 81 | 4.57 | 116 | 1.50 | 38 |
| 63 | 2.1/2 | 2 | -4032 | 33130-4032 | 2.05 | 52 | 4.80 | 122 | 33150-4032 | 3.35 | 85 | 6.10 | 155 | 1.50 | 38 |

NOTE: Hose Compatibility for the **33000** series can be found on page 334.

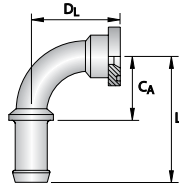
INTRODUCTION
HOSE
COUPLINGS
ADAPTORS
TECHNICAL

COUPLINGS

33000 SERIES SUCTION AND RETURN COUPLINGS

| | |
|-------------------|--------------|
| SAE FLANGE | 33170 |
|-------------------|--------------|

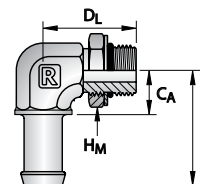
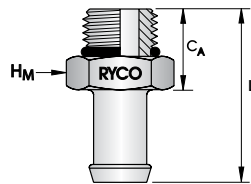
RYCO
CODE 61
CLAMPS - SEE RYCO
ADAPTOR CATALOG
O RING NOT SUPPLIED



| HOSE SIZE | | | | NOM. FLANGE SIZE | DASH SIZE | CODE 61 FLANGE 90° TUBE BEND | | | | | |
|-----------|-------|-------|-------|-------------------|-----------|------------------------------|------|-----|------|-----|--|
| DN | inch | inch | | PART NO | CA | | L | | DL | | |
| | | | | | inch | mm | inch | mm | inch | mm | |
| 25 | 1 | 1 | -1616 | 33170-1616 | 2.52 | 64 | 3.90 | 99 | 2.76 | 70 | |
| 25 | 1 | 1.1/4 | -1620 | 33170-1620 | 3.23 | 82 | 4.61 | 117 | 3.66 | 93 | |
| 31 | 1.1/4 | 1 | -2016 | 33170-2016 | 2.83 | 72 | 4.21 | 107 | 3.23 | 82 | |
| 31 | 1.1/4 | 1.1/4 | -2020 | 33170-2020 | 2.83 | 72 | 4.21 | 107 | 3.23 | 82 | |
| 31 | 1.1/4 | 1.1/2 | -2024 | 33170-2024 | 2.83 | 72 | 4.21 | 107 | 3.23 | 82 | |
| 38 | 1.1/2 | 1.1/2 | -2424 | 33170-2424 | 3.50 | 89 | 4.88 | 124 | 3.90 | 99 | |
| 38 | 1.1/2 | 2 | -2432 | 33170-2432 | 3.50 | 89 | 4.88 | 124 | 3.98 | 101 | |
| 51 | 2 | 2 | -3232 | 33170-3232 | 4.06 | 103 | 5.43 | 138 | 4.53 | 115 | |
| 51 | 2 | 2.1/2 | -3240 | 33170-3240 | 4.06 | 103 | 5.43 | 138 | 4.53 | 115 | |
| 63 | 2.1/2 | 2 | -4032 | 33170-4032 | 4.25 | 108 | 7.01 | 178 | 4.53 | 115 | |

| | | |
|--------------------------|--------------|--------------|
| UNO (O RING BOSS) | 33200 | 33420 |
|--------------------------|--------------|--------------|

O RING SUPPLIED



| HOSE SIZE | | | | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | UN O RING MALE (O RING BOSS) | | | | UN O RING MALE (O RING BOSS) 90° ELBOW | | | | | | |
|-----------|-------|--------|-------|-----------|------------|-----------|-------------------|------------------------------|------|------|---------|--|------|------|------|------|------|----|
| DN | inch | inch | inch | | HM-SPANNER | PART NO | CA | | L | | PART NO | CA | | L | | DL | | |
| | | | | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm | |
| 19 | 3/4 | 7/8 | 3/4 | -1214 | 1.1/16 | 27 | 33200-1214 | 0.83 | 21 | 2.20 | 56 | 33420-1214 | 0.98 | 25 | 2.36 | 60 | 1.81 | 46 |
| 19 | 3/4 | 1.1/16 | 1 | -1217 | 1.1/4 | 32 | 33200-1217 | 0.98 | 25 | 2.36 | 60 | 33420-1217 | 1.18 | 30 | 2.56 | 65 | 2.05 | 52 |
| 19 | 3/4 | 1.5/16 | 3/4 | -1221 | 1.1/2 | 38 | 33200-1221 | 2.44 | 62 | 3.82 | 97 | 33420-1221 | 1.18 | 30 | 2.56 | 65 | 2.05 | 52 |
| 25 | 1 | 1.1/16 | 1 | -1617 | 1.1/4 | 32 | 33200-1617 | 0.98 | 25 | 2.36 | 60 | 33420-1617 | 1.18 | 30 | 2.56 | 65 | 2.05 | 52 |
| 25 | 1 | 1.5/16 | 5/8 | -1621 | 1.1/2 | 38 | 33200-1621 | 1.06 | 27 | 2.44 | 62 | 33420-1621 | 1.18 | 30 | 2.56 | 65 | 2.05 | 52 |
| 31 | 1.1/4 | 7/8 | 3/4 | -2014 | 1.3/8 | | 33200-2014 | 0.94 | 24 | 2.32 | 59 | | | | | | | |
| 31 | 1.1/4 | 1.1/16 | 7/8 | -2017 | 1.3/8 | | 33200-2017 | 1.06 | 27 | 2.44 | 62 | 33420-2017 | 1.18 | 30 | 2.56 | 65 | 2.05 | 52 |
| 31 | 1.1/4 | 1.3/16 | 1 | -2019 | 1.3/8 | | 33200-2019 | 1.06 | 27 | 2.44 | 62 | 33420-2019 | 1.18 | 30 | 2.56 | 65 | 2.01 | 51 |
| 31 | 1.1/4 | 1.5/16 | 1.1/4 | -2021 | 1.1/2 | 38 | 33200-2021 | 1.06 | 27 | 2.44 | 62 | 33420-2021 | 1.18 | 30 | 2.56 | 65 | 2.05 | 52 |
| 31 | 1.1/4 | 1.5/8 | 3/4 | -2026 | 2 | 50 | 33200-2026 | 1.10 | 28 | 2.48 | 63 | 33420-2026 | 1.42 | 36 | 2.80 | 71 | 2.24 | 57 |
| 38 | 1.1/2 | 1.1/16 | 1 | -2417 | 1.5/8 | 41 | 33200-2417 | 1.06 | 27 | 2.44 | 62 | | | | | | | |
| 38 | 1.1/2 | 1.5/16 | 1.1/4 | -2421 | 1.5/8 | 41 | 33200-2421 | 1.06 | 27 | 2.44 | 62 | 33420-2421 | 1.42 | 36 | 2.80 | 71 | 2.24 | 57 |
| 38 | 1.1/2 | 1.5/8 | 1.1/2 | -2426 | 2 | 50 | 33200-2426 | 1.10 | 28 | 2.48 | 63 | 33420-2426 | 1.42 | 36 | 2.80 | 71 | 2.24 | 57 |
| 38 | 1.1/2 | 1.7/8 | 1.1/2 | -2430 | 2.3/16 | 55 | 33200-2430 | 1.18 | 30 | 2.56 | 65 | | | | | | | |
| 51 | 2 | 1.7/8 | 1.1/2 | -3230 | 2.3/16 | 55 | 33200-3230 | 1.18 | 30 | 2.56 | 65 | | | | | | | |

NOTE: Hose Compatibility for the **33000** series can be found on page 334.

V000 SERIES FIELD ATTACHABLE COUPLINGS

HOSE COMPATIBILITY FOR V000 SERIES

FOR RYCO SURVIVOR RQP5 AND TRUCKER T5 HOSE SERIES

RYCO V000 Series Ferrules follow the dash size of **SURVIVOR RQP5** and **TRUCKER T5** series hose. **RQP5** and **T5** Series are SAE 100R5 specification hose, and, accordingly the dash size is the corresponding tube size. SAE 100R5 hose internal diameters (nominal bores), unlike SAE 100R1, R2, etc, are smaller than their dash sizes. For example, **T58** has nominal tube size of 1/2" and internal diameter of 13/32", whereas **T18** and **T28** have nominal bore size of 1/2" and internal diameter of 1/2". The reason for this difference is that T5 Series hoses are often used in applications where hose is connected to steel or copper tubing. The hose is sized so that its flow diameter is approximately the same as the flow diameter of the same nominal size tubing. Hence, the hose size relates to the nominal tube size.

RYCO V000 Series Ferrules are designed to match with **RYCO 6000** Series Inserts.

RYCO 6000 Series Inserts have the same nominal sizing as their corresponding **T1** and **T2** Series Hose. Therefore, V000 Series Ferrules and matching 6000 Series Inserts have different "dash" sizes. When matched together, V000 Series Couplings have the same dash size as the 6000 Series Inserts. See table below.

The chart below shows the relationship of Part Numbers for Ferrules, Inserts and Couplings for each size.

| SURVIVOR RQP5 | TRUCKER T5 | HOSE (TUBE) DASH SIZE | HOSE ID INCH | V000 SERIES FERRULE | FERRULE DASH SIZE | 6000 SERIES INSERTS | INSERT DASH SIZE | V000 SERIES COUPLINGS | COUPLING DASH SIZE |
|---------------|------------|-----------------------|--------------|---------------------|-------------------|---------------------|------------------|-----------------------|--------------------|
| RQP54 | T54 | -04 | 3/16 | V000-04 | -04 | 6xxx-03 | -03 | Vxxx-03 | -03 |
| RQP55 | T55 | -05 | 1/4 | V000-05 | -05 | 6xxx-04 | -04 | Vxxx-04 | -04 |
| RQP56 | T56 | -06 | 5/16 | V000-06 | -06 | 6xxx-05 | -05 | Vxxx-05 | -05 |
| RQP58 | T58 | -08 | 13/32 | V000-08 | -08 | 6xxx-06 | -06 | Vxxx-06 | -06 |
| RQP510 | T510 | -10 | 1/2 | V000-10 | -10 | 6xxx-08 | -08 | Vxxx-08 | -08 |
| RQP512 | T512 | -12 | 5/8 | V000-12 | -12 | 6xxx-10 | -10 | Vxxx-10 | -10 |
| RQP516 | T516 | -16 | 7/8 | V000-16 | -16 | 6xxx-14 | -14 | Vxxx-14 | -14 |
| RQP520 | T520 | -20 | 1.1/8 | V000-20 | -20 | 6xxx-18 | -18 | Vxxx-18 | -18 |
| RQP524 | T524 | -24 | 1.3/8 | V000-24 | -24 | 6xxx-22 | -22 | Vxxx-22 | -22 |
| RQP532 | T532 | -32 | 1.13/16 | V000-32 | -32 | 6xxx-29 | -29 | Vxxx-29 | -29 |

ADDITIONAL COUPLING END STYLES

Pages 235 to 251 show the T4000 Series Coupling End Styles that are also used with **RQP5** and **T5** hose.

As **RYCO V000** Series Ferrules match with **RYCO 6000** Series Inserts it is possible to use any **RYCO 6000** Insert from -03 to -10 listed in the **6000** Series Field Attachable Inserts with the matching Series Ferrule.

Refer to RYCO for the availability of other **6000** Series Field Attachable Inserts.

CUT-OFF ALLOWANCE (CA) DIMENSIONS FOR FIELD ATTACHABLES

Due to differences in Ferrule design, many Cut-Off Allowance (CA) dimensions vary between each Ferrule Series for the same matched Insert/Hose size.

The Cut-Off Allowance (CA) dimensions published in "V Series Field Attachable Inserts" section allow for the Ferrule being eased back 5/8 of a turn after the hose has bottomed in the ferrule, as per "Field Attachable Assembly Instructions" (ease back between 1/2 and 3/4 of a turn).

The Cut-Off Allowance (CA) values for **6000** Series Inserts, published in the tables on pages 343 to 354 are for **6000** Series Inserts used with **V000** Series Ferrules. If using V000 Series Ferrules with other matched **6000** Series Inserts listed on pages 357 to 387, contact RYCO Hydraulics Technical Department for the correct Cut-Off Allowance (CA).

If the hose assembly length is critical, when calculating the Cut Length of hose, you must also allow for an increase in length of hose when the coupling is attached, due to compression within the coupling; see page 356.

For further information about Hose Assemblies and Cut-Off Allowances (CA), see pages 467 to 473 of the Technical Section.

NOTE: Hose Compatibility for the **V000** series can be found on page 325.

COUPLINGS

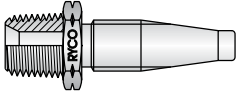
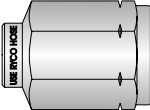
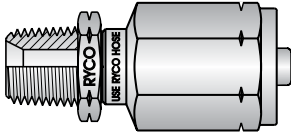
HOW TO ORDER RYCO V SERIES FIELD ATTACHABLE COUPLINGS

HOW TO ORDER

EXAMPLE To order 1/2" NPT male insert and ferrule for **T58** (13/32") hose.

- (a) Individually
 Order ferrule **V000-08**.
V000 Series ferrules are used on **T5** hose; see chart on page 341, or chart for Couplings Selection on **T5** page 118.
 Ferrule Dash Size -08 is same as Dash Size of hose.
 Order insert **6090-0608** (6000 Series).
T58 hose uses 6000-06 size inserts, see page 341.
- (b) Complete Coupling
 Order **V090-0608**.
 Simply replace the first character of the insert's part number with the first character of the ferrule's part number.
 (replace 6 with V): **6090-0608** » **V090-0608**

The **V000 Series** Couplings on pages 343 to page 354 clearly show the Insert, Ferrule and Complete Coupling part numbers for each size of hose.

| 6090-0608 insert | plus V000-08 ferrule equals | V090-0608 complete coupling |
|---|---|---|
|  |  |  |

HOSE BRANDING:

In common with industry practice, **RYCO RQP5** and **T5** hoses are branded with their Part Number, and their Actual Inside Diameter. For example:

| |
|--|
| RYCO TRUCKER T55 1/4" MAX WP 3050 PSI•210 BAR MALAYSIA DOT RYCO MMY 1/4 AII • RYCO AIR BRAKE (METRIC SIZE 6.3) SAE J1402 AII |
| RYCO TRUCKER T56 5/16" MAX WP 2250 PSI•155 BAR MALAYSIA DOT RYCO MMY 5/16 AII • RYCO AIR BRAKE (METRIC SIZE 8) SAE J1402 AII |
| RYCO SURVIVOR RQP55 1/4" MAX WP 3050 PSI•210 BAR MALAYSIA DOT RYCO MMY 1/4 AII • RYCO AIR BRAKE (METRIC SIZE 6.3) SAE J1402 AII |
| RYCO SURVIVOR RQP56 5/16" MAX WP 3050 PSI•210 BAR MALAYSIA DOT RYCO MMY 5/16 AII • RYCO AIR BRAKE (METRIC SIZE 8) SAE J1402 AII |

When ordering hose, it is important to be clear about what size is being referred to.

For example **T55** is -05 or **5/16"** Nominal Dash Size, and **1/4"** Actual Inside Diameter.

T56 is -06 or **3/8"** Nominal Dash Size, and **5/16"** Actual Inside Diameter.

Both hoses can be referred to as **5/16"**, depending on whether Nominal or Actual Inside Diameter is being referred to. Other sizes that crossover are:

T54 and **T55**; **T58** and **T510**; and **T510** and **T512**.

RQP54 and **RQP55**; **RQP58** and **RQP510**; and **RQP510** and **RQP512**.

It is **NOT RECOMMENDED** to refer to the size of the hose only, or there may be confusion about whether it is Actual or Nominal Diameter.

It is **RECOMMENDED** to only refer to the Part Number of the hose. Example: **T56**.

If the size is mentioned, the Part Number of the hose must also be included to remove any confusion.

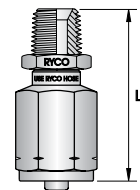
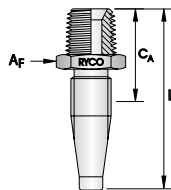
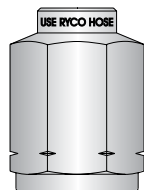
EXAMPLE: 5/16" T56.

NOTE: Hose Compatibility for the **V000** series can be found on page 325.

V000 SERIES FIELD ATTACHABLE COUPLINGS

| | | | |
|-------------|-------------------------|------------------------|--------------------------|
| BSPT | V000 FERRULE | 6010 INSERT | V010 COUPLING |
|-------------|-------------------------|------------------------|--------------------------|

60° SEAT

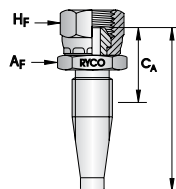
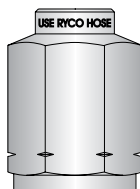


| HOSE SIZE ACTUAL ID | THRD SIZE | DASH SIZE | BACK UP Af | BSPT MALE | | | | | | | | | |
|------------------------|--------------|--------------|---------------|--------------|--|--|--|--|--|--|--|--|--|
|------------------------|--------------|--------------|---------------|--------------|--|--|--|--|--|--|--|--|--|

| DN | inch | inch | | Af-SPANNER | | PART NO | PART NO | Ca | | L | | PART NO |
|----|-------|-------|-------|------------|----|---------|-----------|------|----|------|----|-----------|
| | | | | inch | mm | | | inch | mm | inch | mm | |
| 6 | 1/4 | 1/8 | -0402 | 5/8 | 16 | V000-05 | 6010-0402 | 1.22 | 31 | 2.24 | 57 | V010-0402 |
| 6 | 1/4 | 1/4 | -0404 | 5/8 | 16 | V000-05 | 6010-0404 | 1.38 | 35 | 2.44 | 62 | V010-0404 |
| 8 | 5/16 | 1/4 | -0504 | 5/8 | 16 | V000-06 | 6010-0504 | 1.30 | 33 | 2.36 | 60 | V010-0504 |
| 8 | 5/16 | 3/8 | -0506 | 11/16 | | V000-06 | 6010-0506 | 1.30 | 33 | 2.36 | 60 | V010-0506 |
| 10 | 3/8 | 1/4 | -0604 | 11/16 | | V000-08 | 6010-0604 | 1.26 | 32 | 2.60 | 66 | V010-0604 |
| 10 | 3/8 | 3/8 | -0606 | 11/16 | | V000-08 | 6010-0606 | 1.26 | 32 | 2.60 | 66 | V010-0606 |
| 10 | 3/8 | 1/2 | -0608 | 7/8 | 22 | V000-08 | 6010-0608 | 1.54 | 39 | 2.83 | 72 | V010-0608 |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | V000-10 | 6010-0808 | 1.46 | 37 | 2.76 | 70 | V010-0808 |
| 16 | 5/8 | 5/8 | -1010 | 1.1/8 | | V000-12 | 6010-1010 | 1.77 | 45 | 3.19 | 81 | V010-1010 |
| 16 | 5/8 | 3/4 | -1012 | 1.1/8 | | V000-12 | 6010-1012 | 1.77 | 45 | 3.19 | 81 | V010-1012 |
| 28 | 1.1/8 | 1.1/4 | -1820 | | | V000-20 | 6010-1820 | 2.28 | 58 | 3.54 | 90 | V010-1820 |

| | | | |
|-------------|-------------------------|------------------------|--------------------------|
| BSPP | V000 FERRULE | 6020 INSERT | V020 COUPLING |
|-------------|-------------------------|------------------------|--------------------------|

60° SEAT



| HOSE SIZE ACTUAL ID | THRD SIZE | | BACK UP Af | FEMALE HEX | BSPP FEMALE | | | | | | | | | |
|------------------------|--------------|--|---------------|---------------|----------------|--|--|--|--|--|--|--|--|--|
|------------------------|--------------|--|---------------|---------------|----------------|--|--|--|--|--|--|--|--|--|

| DN | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | PART NO | Ca | | L | | PART NO |
|----|-------|-------|-------|------------|----|------------|----|---------|-----------|------|----|------|----|-----------|
| | | | | inch | mm | inch | mm | | | inch | mm | inch | mm | |
| 5 | 3/16 | 1/8 | -0302 | 5/8 | 16 | | 14 | V000-04 | 6020-0302 | 0.98 | 25 | 1.81 | 46 | V020-0302 |
| 6 | 1/4 | 1/8 | -0402 | 5/8 | 16 | | 14 | V000-05 | 6020-0402 | 1.22 | 31 | 2.24 | 57 | V020-0402 |
| 6 | 1/4 | 1/4 | -0404 | 11/16 | | 3/4 | 19 | V000-05 | 6020-0404 | 1.22 | 31 | 2.28 | 58 | V020-0404 |
| 8 | 5/16 | 1/4 | -0504 | 5/8 | 16 | 3/4 | 19 | V000-06 | 6020-0504 | 1.14 | 29 | 2.20 | 56 | V020-0504 |
| 8 | 5/16 | 3/8 | -0506 | 11/16 | | 7/8 | 22 | V000-06 | 6020-0506 | 1.30 | 33 | 2.36 | 60 | V020-0506 |
| 10 | 3/8 | 1/4 | -0604 | 11/16 | | 3/4 | 19 | V000-08 | 6020-0604 | 1.10 | 28 | 2.40 | 61 | V020-0604 |
| 10 | 3/8 | 3/8 | -0606 | 13/16 | | 7/8 | 22 | V000-08 | 6020-0606 | 1.22 | 31 | 2.56 | 65 | V020-0606 |
| 10 | 3/8 | 1/2 | -0608 | 7/8 | 22 | 1.1/16 | 27 | V000-08 | 6020-0608 | 1.30 | 33 | 2.60 | 66 | V020-0608 |
| 12 | 1/2 | 1/2 | -0808 | 1 | | 1.1/16 | 27 | V000-10 | 6020-0808 | 1.42 | 36 | 2.72 | 69 | V020-0808 |
| 16 | 5/8 | 5/8 | -1010 | 1.1/8 | | 1.3/16 | 30 | V000-12 | 6020-1010 | 1.50 | 38 | 2.91 | 74 | V020-1010 |
| 16 | 5/8 | 3/4 | -1012 | 1.1/8 | | 1.1/4 | 32 | V000-12 | 6020-1012 | 1.57 | 40 | 2.99 | 76 | V020-1012 |
| 22 | 7/8 | 1 | -1416 | 1.1/2 | 38 | 1.1/2 | 38 | V000-16 | 6020-1416 | 1.57 | 40 | 2.64 | 67 | V020-1416 |
| 28 | 1.1/8 | 1.1/4 | -1820 | | | 2 | 50 | V000-20 | 6020-1820 | 2.01 | 51 | 3.31 | 84 | V020-1820 |

NOTE: Hose Compatibility for the V000 series can be found on page 325.

INTRODUCTION

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COUPLINGS

ADAPTORS

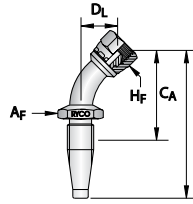
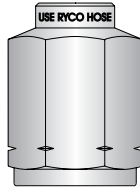
TECHNICAL

COUPLINGS

V000 SERIES FIELD ATTACHABLE COUPLINGS

| | | | |
|-------------|---------------------|--------------------|----------------------|
| BSPP | V000 FERRULE | 6270 INSERT | V270 COUPLING |
|-------------|---------------------|--------------------|----------------------|

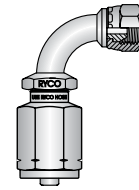
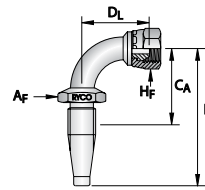
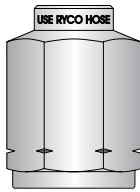
60° SEAT



| HOSE SIZE ACTUAL ID | | THRD SIZE | DASH SIZE | BACK UP Af | FEMALE HEX | | BSPP FEMALE 45° TUBE BEND | | | | | | | | | | | |
|---------------------|-------|-----------|-----------|------------|------------|------------|---------------------------|----------------|------------------|---------|-----|------|-----|------|----|----|--|------------------|
| DN | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | | PART NO | | CA | | L | | DL | | PART NO |
| | | | | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm | | | |
| 6 | 1/4 | 1/4 | -0404 | 5/8 | 16 | 3/4 | 19 | V000-05 | 6270-0404 | 1.85 | 47 | 2.87 | 73 | 0.67 | 17 | | | V270-0404 |
| 8 | 5/16 | 3/8 | -0506 | 5/8 | 16 | 7/8 | 22 | V000-06 | 6270-0506 | 2.09 | 53 | 3.19 | 81 | 0.75 | 19 | | | V270-0506 |
| 10 | 3/8 | 3/8 | -0606 | 11/16 | | 7/8 | 22 | V000-08 | 6270-0606 | 2.05 | 52 | 3.35 | 85 | 0.71 | 18 | | | V270-0606 |
| 12 | 1/2 | 1/2 | -0608 | 13/16 | | 1.1/16 | 27 | V000-10 | 6270-0808 | 2.44 | 62 | 3.74 | 95 | 0.87 | 22 | | | V270-0808 |
| 16 | 5/8 | 5/8 | -1010 | 1 | | 1.3/16 | 30 | V000-12 | 6270-1010 | 2.72 | 69 | 4.13 | 105 | 0.91 | 23 | | | V270-1010 |
| 35 | 1.3/8 | 1.1/2 | -2224 | 2 | | 2.3/16 | 55 | V000-24 | 6270-2224 | 5.20 | 132 | 6.50 | 165 | 2.13 | 54 | | | V270-2224 |

| | | | |
|-------------|---------------------|--------------------|----------------------|
| BSPP | V000 FERRULE | 6260 INSERT | V260 COUPLING |
|-------------|---------------------|--------------------|----------------------|

60° SEAT



| HOSE SIZE ACTUAL ID | | THRD SIZE | DASH SIZE | BACK UP Af | FEMALE HEX | | BSPP FEMALE 90° TUBE BEND | | | | | | | | | | | |
|---------------------|-------|-----------|-----------|------------|------------|------------|---------------------------|----------------|------------------|---------|-----|------|-----|------|-----|----|--|------------------|
| DN | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | | PART NO | | CA | | L | | DL | | PART NO |
| | | | | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm | | | |
| 6 | 1/4 | 1/4 | -0404 | 5/8 | 16 | 3/4 | 19 | V000-05 | 6260-0404 | 1.54 | 39 | 2.60 | 66 | 1.14 | 29 | | | V260-0404 |
| 8 | 5/16 | 3/8 | -0506 | 5/8 | 16 | 7/8 | 22 | V000-06 | 6260-0506 | 1.73 | 44 | 2.80 | 71 | 1.34 | 34 | | | V260-0506 |
| 10 | 3/8 | 3/8 | -0606 | 11/16 | | 7/8 | 22 | V000-08 | 6260-0606 | 1.73 | 44 | 3.03 | 77 | 1.30 | 33 | | | V260-0606 |
| 10 | 3/8 | 1/2 | -0608 | 3/4 | 19 | 1.1/16 | 27 | V000-08 | 6260-0608 | 1.73 | 44 | 3.03 | 77 | 1.30 | 33 | | | V260-0608 |
| 12 | 1/2 | 1/2 | -0808 | 13/16 | | 1.1/16 | 27 | V000-10 | 6260-0808 | 2.09 | 53 | 3.39 | 86 | 1.69 | 43 | | | V260-0808 |
| 16 | 5/8 | 5/8 | -1010 | 1 | | 1.3/16 | 30 | V000-12 | 6260-1010 | 2.48 | 63 | 3.90 | 99 | 2.01 | 51 | | | V260-1010 |
| 35 | 1.3/8 | 1.1/2 | -2224 | 2 | | 2.3/16 | 55 | V000-24 | 6260-2224 | 4.45 | 113 | 5.75 | 146 | 4.17 | 106 | | | V260-2224 |

NOTE: Hose Compatibility for the **V000** series can be found on page 325.

V000 SERIES FIELD ATTACHABLE COUPLINGS

INTRODUCTION

HOSE

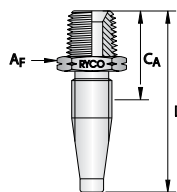
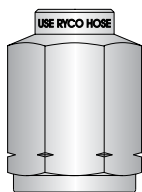
COUPLINGS

ADAPTORS

TECHNICAL

| | | | |
|------------|---------------------|--------------------|----------------------|
| NPT | V000 FERRULE | 6090 INSERT | V090 COUPLING |
|------------|---------------------|--------------------|----------------------|

60° SEAT

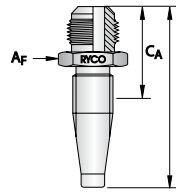
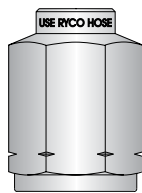


| HOSE SIZE | | | | | BACK UP | | NPT MALE | | | | | | |
|-----------|-----------|-----------|----|------------|---------|---------|----------|------|----|------|----|---------|--|
| ACTUAL ID | THRD SIZE | DASH SIZE | AF | AF-SPANNER | | PART NO | | CA | | L | | PART NO | |
| DN | inch | inch | | inch | mm | | | inch | mm | inch | mm | | |

| | | | | | | | | | | | | |
|----|-------|-------|-------|-------|----|---------|-----------|------|----|------|----|-----------|
| 5 | 3/16 | 1/8 | -0302 | 7/16 | 11 | V000-04 | 6090-0302 | 0.98 | 25 | 1.81 | 46 | V090-0302 |
| 5 | 3/16 | 1/4 | -0304 | 5/8 | 16 | V000-04 | 6090-0304 | 1.18 | 30 | 1.97 | 50 | V090-0304 |
| 6 | 1/4 | 1/8 | -0402 | 7/16 | 11 | V000-05 | 6090-0402 | 1.22 | 31 | 2.24 | 57 | V090-0402 |
| 6 | 1/4 | 1/4 | -0404 | 5/8 | 16 | V000-05 | 6090-0404 | 1.38 | 35 | 2.44 | 62 | V090-0404 |
| 6 | 1/4 | 3/8 | -0406 | 11/16 | | V000-05 | 6090-0406 | 1.38 | 35 | 2.44 | 62 | V090-0406 |
| 8 | 5/16 | 1/4 | -0504 | 5/8 | 16 | V000-06 | 6090-0504 | 1.30 | 33 | 2.36 | 60 | V090-0504 |
| 8 | 5/16 | 3/8 | -0506 | 11/16 | | V000-06 | 6090-0506 | 1.38 | 35 | 2.44 | 62 | V090-0506 |
| 10 | 3/8 | 1/4 | -0604 | 11/16 | | V000-08 | 6090-0604 | 1.26 | 32 | 2.60 | 66 | V090-0604 |
| 10 | 3/8 | 3/8 | -0606 | 11/16 | | V000-08 | 6090-0606 | 1.26 | 32 | 2.60 | 66 | V090-0606 |
| 10 | 3/8 | 1/2 | -0608 | 7/8 | 22 | V000-08 | 6090-0608 | 1.54 | 39 | 2.83 | 72 | V090-0608 |
| 12 | 1/2 | 3/8 | -0806 | 7/8 | 22 | V000-10 | 6090-0806 | 1.46 | 37 | 2.76 | 70 | V090-0806 |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | V000-10 | 6090-0808 | 1.65 | 42 | 2.91 | 74 | V090-0808 |
| 16 | 5/8 | 1/2 | -1008 | 1.1/8 | | V000-12 | 6090-1008 | 1.77 | 45 | 3.19 | 81 | V090-1008 |
| 16 | 5/8 | 3/4 | -1012 | 1.1/8 | | V000-12 | 6090-1012 | 1.77 | 45 | 3.19 | 81 | V090-1012 |
| 22 | 7/8 | 1 | -1416 | 1.3/8 | | V000-16 | 6090-1416 | 1.89 | 48 | 2.99 | 76 | V090-1416 |
| 28 | 1.1/8 | 1.1/4 | -1820 | | | V000-20 | 6090-1820 | 2.28 | 58 | 3.54 | 90 | V090-1820 |
| 35 | 1.3/8 | 1.1/2 | -2224 | 2 | | V000-24 | 6090-2224 | 2.01 | 51 | 3.31 | 84 | V090-2224 |

| | | | |
|-------------------|---------------------|--------------------|----------------------|
| JIC - MALE | V000 FERRULE | 6030 INSERT | V030 COUPLING |
|-------------------|---------------------|--------------------|----------------------|

37° FLARE



| HOSE SIZE | | | | | BACK UP | | JIC MALE | | | | | | | |
|-----------|-----------|-----------|-----------|----|------------|----|----------|--|------|----|------|----|---------|--|
| ACTUAL ID | THRD SIZE | TUBE SIZE | DASH SIZE | AF | AF-SPANNER | | PART NO | | CA | | L | | PART NO | |
| DN | inch | inch | inch | | inch | mm | | | inch | mm | inch | mm | | |

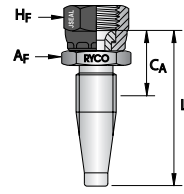
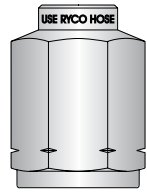
| | | | | | | | | | | | | | |
|----|------|--------|------|-------|-------|----|---------|-----------|------|----|------|----|-----------|
| 5 | 3/16 | 7/16 | 1/4 | -0307 | 5/8 | 16 | V000-04 | 6030-0307 | 1.14 | 29 | 1.97 | 50 | V030-0307 |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 5/8 | 16 | V000-05 | 6030-0407 | 1.38 | 35 | 2.40 | 61 | V030-0407 |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 5/8 | 16 | V000-05 | 6030-0408 | 1.38 | 35 | 2.40 | 61 | V030-0408 |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 5/8 | 16 | V000-05 | 6030-0409 | 1.38 | 35 | 2.44 | 62 | V030-0409 |
| 6 | 1/4 | 3/4 | 1/2 | -0412 | 13/16 | | V000-05 | 6030-0412 | 1.54 | 39 | 2.60 | 66 | V030-0412 |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 11/16 | | V000-08 | 6030-0609 | 1.26 | 32 | 2.56 | 65 | V030-0609 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 13/16 | | V000-08 | 6030-0612 | 1.42 | 36 | 2.72 | 69 | V030-0612 |
| 10 | 3/8 | 7/8 | 5/8 | -0614 | 1 | | V000-08 | 6030-0614 | 1.50 | 38 | 2.83 | 72 | V030-0614 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 13/16 | | V000-10 | 6030-0812 | 1.54 | 39 | 2.83 | 72 | V030-0812 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 15/16 | 24 | V000-10 | 6030-0814 | 1.61 | 41 | 2.91 | 74 | V030-0814 |
| 12 | 1/2 | 1.1/16 | 3/4 | -0817 | 1.1/8 | | V000-10 | 6030-0817 | 1.81 | 46 | 3.07 | 78 | V030-0817 |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 1.1/8 | | V000-12 | 6030-1014 | 1.77 | 45 | 3.19 | 81 | V030-1014 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1.1/8 | | V000-12 | 6030-1017 | 1.89 | 48 | 3.31 | 84 | V030-1017 |

COUPLINGS

V000 SERIES FIELD ATTACHABLE COUPLINGS

| | | | |
|---------------------|-------------------------|------------------------|--------------------------|
| JSEAL™ / JIC | V000 FERRULE | 6040 INSERT | V040 COUPLING |
|---------------------|-------------------------|------------------------|--------------------------|

CONVEX SEAT



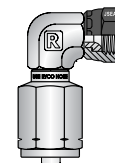
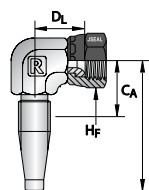
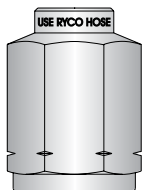
| HOSE SIZE ACTUAL ID | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | FEMALE HEX | | JSEAL™ / JIC FEMALE | | | | | | | |
|------------------------|---------|--------------|--------------|--------------|---------------|---------------|------------|------------------------|---------|-----------|------|----|------|----|-----------|
| DN | inch | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | PART NO | Ca | | L | | PART NO |
| | | | | | inch | mm | inch | mm | | | inch | mm | inch | mm | |
| 5 | 3/16 | 7/16 | 1/4 | -0307 | 9/16 | | 9/16 | | V000-04 | 6040-0307 | 0.91 | 23 | 1.73 | 44 | V040-0307 |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 5/8 | 16 | 9/16 | | V000-05 | 6040-0407 | 1.14 | 29 | 2.17 | 55 | V040-0407 |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 5/8 | 16 | 5/8 | 16 | V000-05 | 6040-0408 | 1.14 | 29 | 2.17 | 55 | V040-0408 |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 11/16 | | 11/16 | | V000-05 | 6040-0409 | 1.14 | 29 | 2.20 | 56 | V040-0409 |
| 6 | 1/4 | 3/4 | 1/2 | -0412 | 3/4 | 19 | 7/8 | 22 | V000-05 | 6040-0412 | 1.22 | 31 | 2.24 | 57 | V040-0412 |
| 8 | 5/16 | 9/16 | 3/8 | -0509 | 11/16 | | 11/16 | | V000-06 | 6040-0509 | 1.06 | 27 | 2.13 | 54 | V040-0509 |
| 10 | 3/8 | 7/16 | 1/4 | -0607 | 11/16 | | 9/16 | | V000-08 | 6040-0607 | 1.02 | 26 | 2.32 | 59 | V040-0607 |
| 10 | 3/8 | 1/2 | 5/16 | -0608 | 11/16 | | 5/8 | 16 | V000-08 | 6040-0608 | 1.02 | 26 | 2.32 | 59 | V040-0608 |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 11/16 | | 11/16 | | V000-08 | 6040-0609 | 0.87 | 22 | 2.17 | 55 | V040-0609 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 7/8 | 22 | 7/8 | 22 | V000-08 | 6040-0612 | 1.14 | 29 | 2.44 | 62 | V040-0612 |
| 10 | 3/8 | 7/8 | 5/8 | -0614 | 1 | | 1.1/16 | 27 | V000-08 | 6040-0614 | 1.30 | 33 | 2.60 | 66 | V040-0614 |
| 12 | 1/2 | 9/16 | 3/8 | -0809 | 13/16 | | 11/16 | | V000-10 | 6040-0809 | 1.22 | 31 | 2.52 | 64 | V040-0809 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 7/8 | 22 | 7/8 | 22 | V000-10 | 6040-0812 | 1.26 | 32 | 2.56 | 65 | V040-0812 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 1 | | 1.1/16 | 27 | V000-10 | 6040-0814 | 1.54 | 39 | 2.80 | 71 | V040-0814 |
| 12 | 1/2 | 1.1/16 | 3/4 | -0817 | 1.1/8 | | 1.1/4 | 32 | V000-10 | 6040-0817 | 1.50 | 38 | 2.80 | 71 | V040-0817 |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 1 | | 1.1/16 | 27 | V000-12 | 6040-1014 | 1.50 | 38 | 2.91 | 74 | V040-1014 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1.1/4 | 32 | 1.1/4 | 32 | V000-12 | 6040-1017 | 1.57 | 40 | 2.99 | 76 | V040-1017 |
| 22 | 7/8 | 1.5/16 | 1 | -1421 | 1.1/2 | 38 | 1.1/2 | 38 | V000-16 | 6040-1421 | 1.57 | 40 | 2.64 | 67 | V040-1421 |
| 28 | 1.1/8 | 1.5/8 | 1.1/4 | -1826 | | | 2 | 50 | V000-20 | 6040-1826 | 2.13 | 54 | 3.39 | 86 | V040-1826 |
| 35 | 1.3/8 | 1.7/8 | 1.1/2 | -2230 | 2 | | 2.3/8 | 60 | V000-24 | 6040-2230 | 1.77 | 45 | 3.07 | 78 | V040-2230 |
| 46 | 1.13/16 | 2.1/2 | 2 | -2940 | 2.3/4 | 70 | 2.7/8 | 73 | V000-32 | 6040-2940 | 2.13 | 54 | 3.90 | 99 | V040-2940 |

NOTE: Hose Compatibility for the V000 series can be found on page 325.

V000 SERIES FIELD ATTACHABLE COUPLINGS

| | | | |
|---------------------|---------------------|--------------------|----------------------|
| JSEAL™ / JIC | V000 FERRULE | 6070 INSERT | V070 COUPLING |
|---------------------|---------------------|--------------------|----------------------|

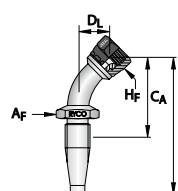
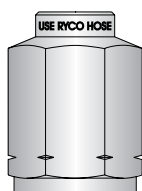
CONVEX SEAT



| HOSE SIZE | | | | | | | JSEAL™ / JIC FEMALE 90° ELBOW | | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|--------|---------|-------------------------------|-----------|------|------|------|------|------|-----------|-----------|----|
| ACTUAL ID | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | | PART NO | PART NO | CA | | L | | DL | | PART NO | | |
| DN | inch | inch | inch | inch | mm | | | inch | mm | inch | mm | inch | mm | | inch | mm |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 9/16 | V000-05 | 6070-0407 | 1.06 | 27 | 2.09 | 53 | 0.71 | 18 | V070-0407 | | |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 5/8 | 16 | V000-05 | 6070-0408 | 1.06 | 27 | 2.09 | 53 | 0.67 | 17 | V070-0408 | |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 11/16 | | V000-05 | 6070-0409 | 1.06 | 27 | 2.09 | 53 | 0.87 | 22 | V070-0409 | |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 11/16 | | V000-08 | 6070-0609 | 0.98 | 25 | 2.28 | 58 | 0.91 | 23 | V070-0609 | |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 7/8 | 22 | V000-08 | 6070-0612 | 0.98 | 25 | 2.28 | 58 | 0.94 | 24 | V070-0612 | |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 7/8 | 22 | V000-10 | 6070-0812 | 1.26 | 32 | 2.56 | 65 | 1.06 | 27 | V070-0812 | |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 1.1/16 | 27 | V000-10 | 6070-0814 | 1.26 | 32 | 2.56 | 65 | 1.10 | 28 | V070-0814 | |
| 12 | 1/2 | 1.1/16 | 3/4 | -0817 | 1.1/4 | 32 | V000-10 | 6070-0817 | 1.26 | 32 | 2.56 | 65 | 1.22 | 31 | V070-0817 | |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 1.1/16 | 27 | V000-12 | 6070-1014 | 1.34 | 34 | 2.76 | 70 | 1.26 | 32 | V070-1014 | |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1.1/4 | 32 | V000-12 | 6070-1017 | 1.30 | 33 | 2.72 | 69 | 1.26 | 32 | V070-1017 | |

| | | | |
|---------------------|---------------------|--------------------|----------------------|
| JSEAL™ / JIC | V000 FERRULE | 6250 INSERT | V250 COUPLING |
|---------------------|---------------------|--------------------|----------------------|

CONVEX SEAT



| HOSE SIZE | | | | | | | JSEAL™ / JIC FEMALE 45° TUBE BEND | | | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|------------|------|-----------------------------------|---------|-----------|-----------|------|------|------|------|---------|-----------|-----------|
| ACTUAL ID | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | FEMALE HEX | | PART NO | PART NO | CA | | L | | DL | | PART NO | | |
| DN | inch | inch | inch | inch | mm | inch | | | mm | inch | mm | inch | mm | inch | | mm | |
| 5 | 3/16 | 7/16 | 1/4 | -0307 | 5/8 | 16 | 9/16 | V000-04 | 6250-0307 | 1.61 | 41 | 2.44 | 62 | 0.59 | 15 | V250-0307 | |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 5/8 | 16 | 9/16 | V000-05 | 6250-0407 | 1.77 | 45 | 2.83 | 72 | 0.59 | 15 | V250-0407 | |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 5/8 | 16 | 5/8 | 16 | V000-05 | 6250-0408 | 1.77 | 45 | 2.83 | 72 | 0.59 | 15 | V250-0408 |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 5/8 | 16 | 11/16 | | V000-05 | 6250-0409 | 1.77 | 45 | 2.83 | 72 | 0.59 | 15 | V250-0409 |
| 8 | 5/16 | 9/16 | 3/8 | -0509 | 5/8 | 16 | 11/16 | | V000-06 | 6250-0509 | 1.85 | 47 | 2.95 | 75 | 0.55 | 14 | V250-0509 |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 11/16 | | 11/16 | | V000-08 | 6250-0609 | 1.85 | 47 | 3.15 | 80 | 0.55 | 14 | V250-0609 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 11/16 | | 7/8 | 22 | V000-08 | 6250-0612 | 1.89 | 48 | 3.19 | 81 | 0.67 | 17 | V250-0612 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 13/16 | | 7/8 | 22 | V000-10 | 6250-0812 | 2.32 | 59 | 3.62 | 92 | 0.83 | 21 | V250-0812 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 13/16 | | 1.1/16 | 27 | V000-10 | 6250-0814 | 2.40 | 61 | 3.70 | 94 | 0.87 | 22 | V250-0814 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1 | | 1.1/4 | 32 | V000-12 | 6250-1017 | 2.68 | 68 | 4.09 | 104 | 0.94 | 24 | V250-1017 |
| 22 | 7/8 | 1.5/16 | 1 | -1421 | 1.3/8 | | 1.1/2 | 38 | V000-16 | 6250-1421 | 3.70 | 94 | 4.76 | 121 | 1.38 | 35 | V250-1421 |
| 35 | 1.3/8 | 1.7/8 | 1.1/2 | -2230 | 2 | | 2.3/8 | 60 | V000-24 | 6250-2230 | 5.16 | 131 | 6.46 | 164 | 1.97 | 50 | V250-2230 |

NOTE: Hose Compatibility for the V000 series can be found on page 325.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

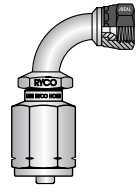
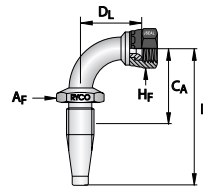
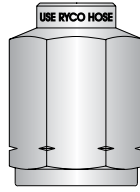
TECHNICAL

COUPLINGS

V000 SERIES FIELD ATTACHABLE COUPLINGS

| | | | |
|---------------------|---------------------|--------------------|----------------------|
| JSEAL™ / JIC | V000 FERRULE | 6240 INSERT | V240 COUPLING |
|---------------------|---------------------|--------------------|----------------------|

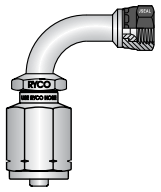
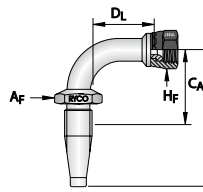
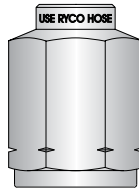
CONVEX SEAT



| DN | inch | inch | inch | DASH SIZE | BACK UP Af | | FEMALE HEX | | PART NO | PART NO | JSEAL™ / JIC FEMALE 90° TUBE BEND | | | | | | PART NO |
|----|--------|--------|-------|-----------|------------|----|------------|----|---------|-----------|-----------------------------------|-----|------|-----|------|-----|-----------|
| | | | | | inch | mm | inch | mm | | | CA | | L | | DL | | |
| 5 | 3/16 | 7/16 | 1/4 | -0307 | 5/8 | 16 | 9/16 | | V000-04 | 6240-0307 | 1.30 | 33 | 2.09 | 53 | 1.26 | 32 | V240-0307 |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 5/8 | 16 | 9/16 | | V000-05 | 6240-0407 | 1.50 | 38 | 2.56 | 65 | 1.06 | 27 | V240-0407 |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 5/8 | 16 | 5/8 | 16 | V000-05 | 6240-0408 | 1.54 | 39 | 2.60 | 66 | 1.14 | 29 | V240-0408 |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 5/8 | 16 | 11/16 | | V000-05 | 6240-0409 | 1.42 | 36 | 2.48 | 63 | 1.14 | 29 | V240-0409 |
| 8 | 5/16 | 9/16 | 3/8 | -0509 | 5/8 | 16 | 11/16 | | V000-06 | 6240-0509 | 1.77 | 45 | 2.83 | 72 | 1.18 | 30 | V240-0509 |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 11/16 | | 11/16 | | V000-08 | 6240-0609 | 1.73 | 44 | 3.03 | 77 | 0.98 | 25 | V240-0609 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 11/16 | | 7/8 | 22 | V000-08 | 6240-0612 | 1.73 | 44 | 3.03 | 77 | 1.18 | 30 | V240-0612 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 13/16 | | 7/8 | 22 | V000-10 | 6240-0812 | 2.13 | 54 | 3.43 | 87 | 1.50 | 38 | V240-0812 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 13/16 | | 1.1/16 | 27 | V000-10 | 6240-0814 | 2.13 | 54 | 3.43 | 87 | 1.85 | 47 | V240-0814 |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 1 | | 1.1/16 | 27 | V000-12 | 6240-1014 | 2.36 | 60 | 3.78 | 96 | 1.89 | 48 | V240-1014 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1 | | 1.1/4 | 32 | V000-12 | 6240-1017 | 2.44 | 62 | 3.86 | 98 | 1.93 | 49 | V240-1017 |
| 22 | 7/8 | 1.5/16 | 1 | -1421 | 1.3/8 | | 1.1/2 | 38 | V000-16 | 6240-1421 | 3.03 | 77 | 4.09 | 104 | 2.83 | 72 | V240-1421 |
| 28 | 1.1/18 | 1.5/8 | 1.1/4 | -1826 | 1.3/4 | | 2 | 50 | V000-20 | 6240-1826 | 4.06 | 103 | 5.31 | 135 | 3.19 | 81 | V240-1826 |
| 35 | 1.3/8 | 1.7/8 | 1.1/2 | -2230 | 2 | | 2.3/8 | 60 | V000-24 | 6240-2230 | 4.45 | 113 | 5.75 | 146 | 4.09 | 104 | V240-2230 |

| | | | |
|---------------------|---------------------|--------------------|----------------------|
| JSEAL™ / JIC | V000 FERRULE | 6280 INSERT | V280 COUPLING |
|---------------------|---------------------|--------------------|----------------------|

CONVEX SEAT



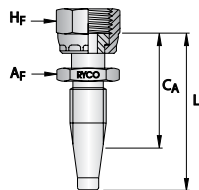
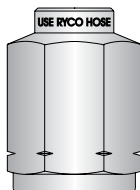
| DN | inch | inch | inch | DASH SIZE | BACK UP Af | | FEMALE HEX | | PART NO | PART NO | JSEAL™ / JIC FEMALE 90° LONG TUBE BEND | | | | | | PART NO |
|----|------|--------|------|-----------|------------|----|------------|----|---------|-----------|--|----|------|----|------|----|-----------|
| | | | | | inch | mm | inch | mm | | | CA | | L | | DL | | |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 5/8 | 16 | 9/16 | | V000-05 | 6280-0407 | 1.54 | 39 | 2.60 | 66 | 1.85 | 47 | V280-0407 |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 5/8 | 16 | 5/8 | 16 | V000-05 | 6280-0408 | 1.54 | 39 | 2.60 | 66 | 1.85 | 47 | V280-0408 |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 5/8 | 16 | 11/16 | | V000-05 | 6280-0409 | 1.54 | 39 | 2.60 | 66 | 2.13 | 54 | V280-0409 |
| 8 | 5/16 | 9/16 | 3/8 | -0509 | 5/8 | 16 | 11/16 | | V000-06 | 6280-0509 | 1.89 | 48 | 2.95 | 75 | 2.17 | 55 | V280-0509 |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 11/16 | | 11/16 | | V000-08 | 6280-0609 | 1.61 | 41 | 2.91 | 74 | 2.17 | 55 | V280-0609 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 11/16 | | 7/8 | 22 | V000-08 | 6280-0612 | 1.73 | 44 | 3.03 | 77 | 2.52 | 64 | V280-0612 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 13/16 | | 7/8 | 22 | V000-10 | 6280-0812 | 2.09 | 53 | 3.39 | 86 | 2.44 | 62 | V280-0812 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 13/16 | | 1.1/16 | 27 | V000-10 | 6280-0814 | 2.09 | 53 | 3.39 | 86 | 2.76 | 70 | V280-0814 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1 | | 1.1/4 | 32 | V000-12 | 6280-1017 | 2.44 | 62 | 3.86 | 98 | 3.78 | 96 | V280-1017 |

NOTE: Hose Compatibility for the V000 series can be found on page 325.

V000 SERIES FIELD ATTACHABLE COUPLINGS

| | | | |
|-------------|---------------------|--------------------|----------------------|
| ORFS | V000 FERRULE | 6800 INSERT | V800 COUPLING |
|-------------|---------------------|--------------------|----------------------|

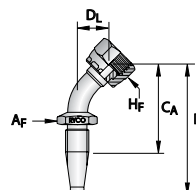
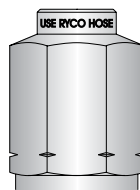
O RING FACE SEAL



| HOSE SIZE | | | | | | | | | | ORFS FEMALE | | | | | | |
|-----------|-----------|-----------|-----------|------------|------------|------------|---------|-------|----------------|------------------|------------------|------|------|------|------------------|------------------|
| ACTUAL ID | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | FEMALE HEX | | PART NO | | PART NO | | CA | | L | | PART NO | |
| DN | inch | inch | inch | | Af-SPANNER | Hf-SPANNER | | | | | inch | mm | inch | mm | | |
| 5 | 3/16 | 9/16 | 1/4 | -0309 | 5/8 | 16 | 11/16 | | V000-04 | 6800-0309 | 1.26 | 32 | 2.05 | 52 | V800-0309 | |
| 6 | 1/4 | 9/16 | 1/4 | -0409 | 5/8 | 16 | 11/16 | | V000-05 | 6800-0409 | 1.50 | 38 | 2.52 | 64 | V800-0409 | |
| 6 | 1/4 | 11/16 | 3/8 | -0411 | 11/16 | | | 22 | V000-05 | 6800-0411 | 1.57 | 40 | 2.60 | 66 | V800-0411 | |
| 8 | 5/16 | 11/16 | 3/8 | -0511 | 5/8 | 16 | | 22 | V000-06 | 6800-0511 | 1.46 | 37 | 2.56 | 65 | V800-0511 | |
| 10 | 3/8 | 11/16 | 3/8 | -0611 | 11/16 | | | 22 | V000-08 | 6800-0611 | 1.42 | 36 | 2.76 | 70 | V800-0611 | |
| 10 | 3/8 | 13/16 | 1/2 | -0613 | 13/16 | | | 15/16 | V000-08 | 6800-0613 | 1.57 | 40 | 2.87 | 73 | V800-0613 | |
| 12 | 1/2 | 13/16 | 1/2 | -0813 | 13/16 | | | 15/16 | V000-10 | 6800-0813 | 1.61 | 41 | 2.91 | 74 | V800-0813 | |
| 12 | 1/2 | 1 | 5/8 | -0816 | 15/16 | 24 | | 1.1/8 | V000-10 | 6800-0816 | 1.85 | 47 | 3.11 | 79 | V800-0816 | |
| 16 | 5/8 | 1 | 5/8 | -1016 | 1.1/8 | | | 1.1/8 | V000-12 | 6800-1016 | 1.93 | 49 | 3.35 | 85 | V800-1016 | |
| 16 | 5/8 | 1.3/16 | 3/4 | -1019 | 1.1/8 | | | 1.3/8 | V000-12 | 6800-1019 | 2.05 | 52 | 3.46 | 88 | V800-1019 | |
| 22 | 7/8 | 1.7/16 | 1 | -1423 | 1.3/8 | | | 1.5/8 | 41 | V000-16 | 6800-1423 | 2.32 | 59 | 3.39 | 86 | V800-1423 |

| | | | |
|-------------|---------------------|--------------------|----------------------|
| ORFS | V000 FERRULE | 6810 INSERT | V810 COUPLING |
|-------------|---------------------|--------------------|----------------------|

O RING FACE SEAL



| HOSE SIZE | | | | | | | | | | ORFS FEMALE 45° TUBE BEND | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|------------|------------|---------|-------|----------------|---------------------------|------------------|------|------|------|------|------|------------------|------------------|
| ACTUAL ID | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | FEMALE HEX | | PART NO | | PART NO | | CA | | L | | DL | | PART NO | |
| DN | inch | inch | inch | | Af-SPANNER | Hf-SPANNER | | | | | inch | mm | inch | mm | inch | mm | | |
| 5 | 3/16 | 9/16 | 1/4 | -0309 | 5/8 | 16 | 11/16 | | V000-04 | 6810-0309 | 1.81 | 46 | 2.60 | 66 | 0.71 | 18 | V810-0309 | |
| 6 | 1/4 | 9/16 | 1/4 | -0409 | 5/8 | 16 | 11/16 | | V000-05 | 6810-0409 | 2.01 | 51 | 3.07 | 78 | 0.71 | 18 | V810-0409 | |
| 6 | 1/4 | 11/16 | 3/8 | -0411 | 5/8 | 16 | | 22 | V000-05 | 6810-0411 | 2.01 | 51 | 3.07 | 78 | 0.75 | 19 | V810-0411 | |
| 8 | 5/16 | 11/16 | 3/8 | -0511 | 5/8 | 16 | | 22 | V000-06 | 6810-0511 | 2.13 | 54 | 3.23 | 82 | 0.79 | 20 | V810-0511 | |
| 10 | 3/8 | 11/16 | 3/8 | -0611 | 11/16 | | | 22 | V000-08 | 6810-0611 | 2.09 | 53 | 3.43 | 87 | 0.79 | 20 | V810-0611 | |
| 10 | 3/8 | 13/16 | 1/2 | -0613 | 3/4 | 19 | | 15/16 | V000-08 | 6810-0613 | 1.93 | 49 | 3.23 | 82 | 0.67 | 17 | V810-0613 | |
| 12 | 1/2 | 13/16 | 1/2 | -0813 | 13/16 | | | 15/16 | V000-10 | 6810-0813 | 2.36 | 60 | 3.66 | 93 | 0.75 | 19 | V810-0813 | |
| 12 | 1/2 | 1 | 5/8 | -0816 | 15/16 | 24 | | 1.1/8 | V000-10 | 6810-0816 | 2.36 | 60 | 3.66 | 93 | 0.75 | 19 | V810-0816 | |
| 16 | 5/8 | 1 | 5/8 | -1016 | 1 | | | 1.1/8 | V000-12 | 6810-1016 | 2.87 | 73 | 4.29 | 109 | 0.79 | 20 | V810-1016 | |
| 16 | 5/8 | 1.3/16 | 3/4 | -1019 | 1.1/8 | | | 1.3/8 | V000-12 | 6810-1019 | 2.87 | 73 | 4.29 | 109 | 0.94 | 24 | V810-1019 | |
| 22 | 7/8 | 1.7/16 | 1 | -1423 | 1.3/8 | | | 1.5/8 | 41 | V000-16 | 6810-1423 | 3.74 | 95 | 4.80 | 122 | 1.34 | 34 | V810-1423 |

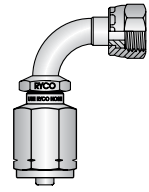
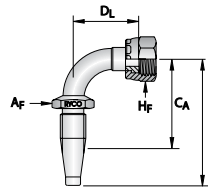
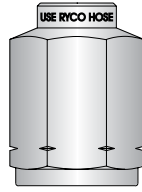
NOTE: Hose Compatibility for the V000 series can be found on page 325.

COUPLINGS

V000 SERIES FIELD ATTACHABLE COUPLINGS

| | | | |
|-------------|---------------------|--------------------|----------------------|
| ORFS | V000 FERRULE | 6820 INSERT | V820 COUPLING |
|-------------|---------------------|--------------------|----------------------|

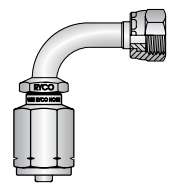
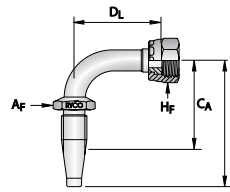
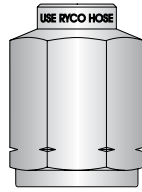
O RING FACE SEAL



| HOSE SIZE | | | | | | | | | | ORFS FEMALE 90° TUBE BEND | | | | | | | |
|-----------|-----------|-----------|-----------|------------|------------|------------|---------|----|----------------|---------------------------|------|----|------|-----|---------|----|------------------|
| ACTUAL ID | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | FEMALE HEX | | | | CA | | L | | DL | | PART NO | | |
| DN | inch | inch | inch | | Af-SPANNER | Hf-SPANNER | PART NO | | PART NO | | inch | mm | inch | mm | inch | mm | PART NO |
| 5 | 3/16 | 9/16 | 1/4 | -0309 | 5/8 | 16 | 11/16 | | V000-04 | 6820-0309 | 1.38 | 35 | 2.17 | 55 | 1.26 | 32 | V820-0309 |
| 6 | 1/4 | 9/16 | 1/4 | -0409 | 5/8 | 16 | 11/16 | | V000-05 | 6820-0409 | 1.57 | 40 | 2.64 | 67 | 1.26 | 32 | V820-0409 |
| 6 | 1/4 | 11/16 | 3/8 | -0411 | 5/8 | 16 | 7/8 | 22 | V000-05 | 6820-0411 | 1.57 | 40 | 2.64 | 67 | 1.50 | 38 | V820-0411 |
| 8 | 5/16 | 11/16 | 3/8 | -0511 | 5/8 | 16 | 7/8 | 22 | V000-06 | 6820-0511 | 1.73 | 44 | 2.80 | 71 | 1.46 | 37 | V820-0511 |
| 10 | 3/8 | 11/16 | 3/8 | -0611 | 11/16 | | 7/8 | 22 | V000-08 | 6820-0611 | 1.69 | 43 | 2.99 | 76 | 1.50 | 38 | V820-0611 |
| 10 | 3/8 | 13/16 | 1/2 | -0613 | 3/4 | 19 | 15/16 | | V000-08 | 6820-0613 | 1.69 | 43 | 2.99 | 76 | 1.61 | 41 | V820-0613 |
| 12 | 1/2 | 13/16 | 1/2 | -0813 | 13/16 | | 15/16 | | V000-10 | 6820-0813 | 2.05 | 52 | 3.35 | 85 | 1.61 | 41 | V820-0813 |
| 12 | 1/2 | 1 | 5/8 | -0816 | 15/16 | 24 | 1.1/8 | | V000-10 | 6820-0816 | 2.17 | 55 | 3.46 | 88 | 1.85 | 47 | V820-0816 |
| 16 | 5/8 | 1 | 5/8 | -1016 | 1 | | 1.1/8 | | V000-12 | 6820-1016 | 2.40 | 61 | 3.82 | 97 | 1.85 | 47 | V820-1016 |
| 16 | 5/8 | 1.3/16 | 3/4 | -1019 | 1.1/8 | | 1.3/8 | | V000-12 | 6820-1019 | 2.52 | 64 | 3.94 | 100 | 2.28 | 58 | V820-1019 |
| 22 | 7/8 | 1.7/16 | 1 | -1423 | 1.3/8 | | | 41 | V000-16 | 6820-1423 | 3.11 | 79 | 4.17 | 106 | 2.80 | 71 | V820-1423 |

| | | | |
|-------------|---------------------|--------------------|----------------------|
| ORFS | V000 FERRULE | 6830 INSERT | V830 COUPLING |
|-------------|---------------------|--------------------|----------------------|

O RING FACE SEAL



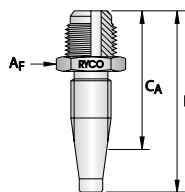
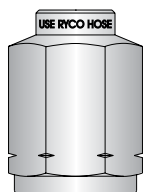
| HOSE SIZE | | | | | | | | | | ORFS FEMALE 90° LONG TUBE BEND | | | | | | | |
|-----------|-----------|-----------|-----------|------------|------------|------------|---------|----|----------------|--------------------------------|------|----|------|-----|---------|-----|------------------|
| ACTUAL ID | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | FEMALE HEX | | | | CA | | L | | DL | | PART NO | | |
| DN | inch | inch | inch | | Af-SPANNER | Hf-SPANNER | PART NO | | PART NO | | inch | mm | inch | mm | inch | mm | PART NO |
| 5 | 3/16 | 9/16 | 1/4 | -0309 | 5/8 | 16 | 11/16 | | V000-04 | 6830-0309 | 1.38 | 35 | 2.20 | 56 | 1.85 | 47 | V830-0309 |
| 6 | 1/4 | 9/16 | 1/4 | -0409 | 5/8 | 16 | 11/16 | | V000-05 | 6830-0409 | 1.61 | 41 | 2.64 | 67 | 1.85 | 47 | V830-0409 |
| 6 | 1/4 | 11/16 | 3/8 | -0411 | 5/8 | 16 | 7/8 | 22 | V000-05 | 6830-0411 | 1.57 | 40 | 2.64 | 67 | 2.13 | 54 | V830-0411 |
| 8 | 5/16 | 11/16 | 3/8 | -0511 | 5/8 | 16 | 7/8 | 22 | V000-06 | 6830-0511 | 1.61 | 41 | 2.72 | 69 | 2.13 | 54 | V830-0511 |
| 10 | 3/8 | 11/16 | 3/8 | -0611 | 11/16 | 18 | 7/8 | 22 | V000-08 | 6830-0611 | 1.61 | 41 | 2.91 | 74 | 2.13 | 54 | V830-0611 |
| 10 | 3/8 | 13/16 | 1/2 | -0613 | 3/4 | 19 | 15/16 | | V000-08 | 6830-0613 | 1.61 | 41 | 2.91 | 74 | 2.52 | 64 | V830-0613 |
| 12 | 1/2 | 13/16 | 1/2 | -0813 | 13/16 | | 15/16 | | V000-10 | 6830-0813 | 2.09 | 53 | 3.39 | 86 | 2.56 | 65 | V830-0813 |
| 12 | 1/2 | 1 | 5/8 | -0816 | 15/16 | 24 | 1.1/8 | | V000-10 | 6830-0816 | 2.28 | 58 | 3.58 | 91 | 2.76 | 70 | V830-0816 |
| 16 | 5/8 | 1 | 5/8 | -1016 | 1 | | 1.1/8 | | V000-12 | 6830-1016 | 2.56 | 65 | 3.98 | 101 | 2.76 | 70 | V830-1016 |
| 16 | 5/8 | 1.3/16 | 3/4 | -1019 | 1.1/8 | | 1.3/8 | | V000-12 | 6830-1019 | 2.48 | 63 | 3.90 | 99 | 3.78 | 96 | V830-1019 |
| 22 | 7/8 | 1.7/16 | 1 | -1423 | 1.3/8 | | | 41 | V000-16 | 6830-1423 | 3.43 | 87 | 4.49 | 114 | 4.45 | 113 | V830-1423 |

NOTE: Hose Compatibility for the **V000** series can be found on page 325.

V000 SERIES FIELD ATTACHABLE COUPLINGS

| | | | |
|------------|---------------------|--------------------|----------------------|
| SAE | V000 FERRULE | 6530 INSERT | V530 COUPLING |
|------------|---------------------|--------------------|----------------------|

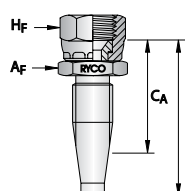
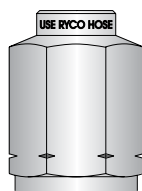
45° FLARE



| HOSE SIZE | | | | | BACK UP | | SAE MALE | | | | | | |
|-----------|-----------|-----------|-----------|----------------|---------|---------|----------------|------------------|------|------|------|---------|------------------|
| ACTUAL ID | THRD SIZE | TUBE SIZE | DASH SIZE | A _F | | PART NO | | C _A | | L | | PART NO | |
| DN | inch | inch | inch | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 5/8 | 3/8 | -0410 | 11/16 | | V000-05 | 6530-0410 | 1.46 | 37 | 2.48 | 63 | V530-0410 |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 5/8 | 16 | V000-06 | 6530-0510 | 1.34 | 34 | 2.40 | 61 | V530-0510 |
| 10 | 3/8 | 1/2 | 5/16 | -0608 | 5/8 | 16 | V000-08 | 6530-0608 | 1.26 | 32 | 2.56 | 65 | V530-0608 |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 3/4 | 19 | V000-08 | 6530-0610 | 1.30 | 33 | 2.60 | 66 | V530-0610 |

| | | | |
|------------|---------------------|--------------------|----------------------|
| SAE | V000 FERRULE | 6540 INSERT | V540 COUPLING |
|------------|---------------------|--------------------|----------------------|

45° FLARE



| HOSE SIZE | | | | | BACK UP | | FEMALE HEX | | SAE FEMALE | | | | | | |
|-----------|-----------|-----------|-----------|----------------|---------|----------------|------------|---------|----------------|------------------|------|------|------|---------|------------------|
| ACTUAL ID | THRD SIZE | TUBE SIZE | DASH SIZE | A _F | | H _F | | PART NO | | C _A | | L | | PART NO | |
| DN | inch | inch | inch | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
| 5 | 3/16 | 7/16 | 1/4 | -0307 | 5/8 | 16 | 9/16 | | V000-04 | 6540-0307 | 0.91 | 23 | 1.73 | 44 | V540-0307 |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 11/16 | | 9/16 | | V000-05 | 6540-0407 | 1.14 | 29 | 2.17 | 55 | V540-0407 |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 11/16 | | 5/8 | 16 | V000-05 | 6540-0408 | 1.14 | 29 | 2.17 | 55 | V540-0408 |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 11/16 | | 3/4 | 19 | V000-06 | 6540-0510 | 1.06 | 27 | 2.13 | 54 | V540-0510 |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 3/4 | 19 | 3/4 | 19 | V000-08 | 6540-0610 | 1.02 | 26 | 2.36 | 60 | V540-0610 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 7/8 | 22 | 7/8 | 22 | V000-08 | 6540-0612 | 1.14 | 29 | 2.44 | 62 | V540-0612 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 1 | | 1.1/16 | 27 | V000-10 | 6540-0814 | 1.30 | 33 | 2.60 | 66 | V540-0814 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1.1/8 | | 1.1/4 | 32 | V000-12 | 6540-1017 | 1.50 | 38 | 2.91 | 74 | V540-1017 |

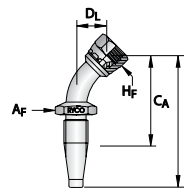
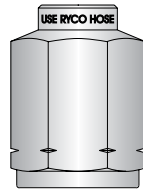
NOTE: Hose Compatibility for the **V000** series can be found on page 325.

COUPLINGS

V000 SERIES FIELD ATTACHABLE COUPLINGS

| | | | |
|------------|-------------------------|------------------------|--------------------------|
| SAE | V000 FERRULE | 6550 INSERT | V550 COUPLING |
|------------|-------------------------|------------------------|--------------------------|

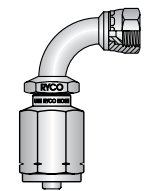
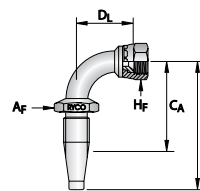
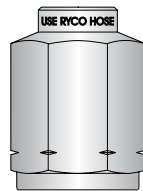
45° FLARE



| HOSE SIZE | | | | | BACK UP | | FEMALE | | SAE FEMALE 45° TUBE BEND | | | | | | | | |
|-----------|-----------|-----------|-----------|-------|---------|-----|---------|----|--------------------------|------------------|------|----|------|----|---------|----|------------------|
| ACTUAL ID | THRD SIZE | TUBE SIZE | DASH SIZE | Af | Af | HEX | PART NO | | CA | | L | | DL | | PART NO | | |
| DN | inch | inch | inch | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | |
| 5 | 3/16 | 7/16 | 1/4 | -0307 | 5/8 | 16 | 9/16 | | V000-04 | 6550-0307 | 1.57 | 40 | 2.36 | 60 | 0.59 | 15 | V550-0307 |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 5/8 | 16 | 3/4 | 19 | V000-06 | 6550-0510 | 2.01 | 51 | 3.07 | 78 | 0.67 | 17 | V550-0510 |
| 10 | 3/8 | 1/2 | 5/16 | -0608 | 11/16 | | 5/8 | 16 | V000-08 | 6550-0608 | 1.89 | 48 | 3.23 | 82 | 0.59 | 15 | V550-0608 |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 11/16 | | 3/4 | 19 | V000-08 | 6550-0610 | 1.97 | 50 | 3.27 | 83 | 0.67 | 17 | V550-0610 |

| | | | |
|------------|-------------------------|------------------------|--------------------------|
| SAE | V000 FERRULE | 6560 INSERT | V560 COUPLING |
|------------|-------------------------|------------------------|--------------------------|

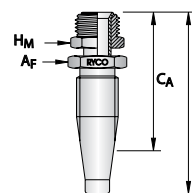
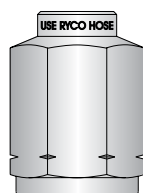
45° FLARE



| HOSE SIZE | | | | | BACK UP | | FEMALE | | SAE FEMALE 90° TUBE BEND | | | | | | | | |
|-----------|-----------|-----------|-----------|-------|---------|-----|---------|----|--------------------------|------------------|------|----|------|----|---------|----|------------------|
| ACTUAL ID | THRD SIZE | TUBE SIZE | DASH SIZE | Af | Af | HEX | PART NO | | CA | | L | | DL | | PART NO | | |
| DN | inch | inch | inch | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | |
| 5 | 3/16 | 7/16 | 1/4 | -0307 | 5/8 | 16 | 9/16 | | V000-04 | 6560-0307 | 1.30 | 33 | 2.13 | 54 | 1.14 | 29 | V560-0307 |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 5/8 | 16 | 3/4 | 19 | V000-06 | 6560-0510 | 1.73 | 44 | 2.80 | 71 | 1.30 | 33 | V560-0510 |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 11/16 | | 3/4 | 19 | V000-08 | 6560-0610 | 1.69 | 43 | 2.99 | 76 | 1.30 | 33 | V560-0610 |

| | | | |
|------------|-------------------------|------------------------|--------------------------|
| SAE | V000 FERRULE | 6740 INSERT | V740 COUPLING |
|------------|-------------------------|------------------------|--------------------------|

INVERTED
MALE FLARE



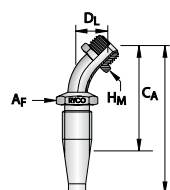
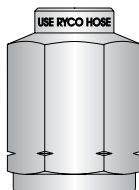
| HOSE SIZE | | | | | BACK UP | | MALE | | SAE INVERTED MALE FLARE | | | | | | | |
|-----------|-----------|-----------|-----------|-------|---------|-----|---------|----|-------------------------|------------------|------|----|---------|----|------------------|--|
| ACTUAL ID | THRD SIZE | TUBE SIZE | DASH SIZE | Af | Af | HEX | PART NO | | CA | | L | | PART NO | | | |
| DN | inch | inch | inch | | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | | |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 5/8 | 16 | 5/8 | 16 | V000-05 | 6740-0407 | 1.97 | 50 | 3.03 | 77 | V740-0407 | |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 5/8 | 16 | 5/8 | 16 | V000-06 | 6740-0510 | 1.89 | 48 | 2.95 | 75 | V740-0510 | |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 11/16 | | 11/16 | | V000-08 | 6740-0610 | 1.85 | 47 | 3.15 | 80 | V740-0610 | |
| 10 | 3/8 | 11/16 | 7/16 | -0611 | 11/16 | | 11/16 | | V000-08 | 6740-0611 | 1.97 | 50 | 3.31 | 84 | V740-0611 | |

NOTE: Hose Compatibility for the **V000** series can be found on page 341.

V000 SERIES FIELD ATTACHABLE COUPLINGS

| | | | | | | |
|-----|--|--|--|-----------------|----------------|------------------|
| SAE | | | | V000 FERRULE | 6750 INSERT | V750 COUPLING |
|-----|--|--|--|-----------------|----------------|------------------|

INVERTED
MALE FLARE



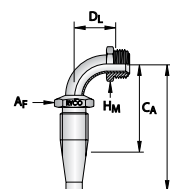
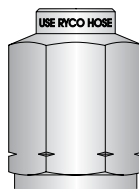
INTRODUCTION

| HOSE SIZE | | | | | | | | | | SAE INVERTED MALE FLARE 45° TUBE BEND | | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|-------|----------|-------|---------|---------|---|------|----|------|-----|------|----|--|---------|-----------|
| ACTUAL ID | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | | MALE HEX | | PART NO | | PART NO | | Ca | | L | | DL | | PART NO | |
| DN | inch | inch | inch | | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm | | | |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 5/8 | 16 | 5/8 | 16 | V000-06 | 6750-0510 | 3.15 | 80 | 4.21 | 107 | 0.91 | 23 | | | V750-0510 |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 11/16 | | 11/16 | | V000-08 | 6750-0610 | 3.11 | 79 | 4.45 | 113 | 0.91 | 23 | | | V750-0610 |

HOSE

| | | | | | | |
|-----|--|--|--|-----------------|----------------|------------------|
| SAE | | | | V000 FERRULE | 6770 INSERT | V770 COUPLING |
|-----|--|--|--|-----------------|----------------|------------------|

INVERTED
MALE FLARE



COUPLINGS

| HOSE SIZE | | | | | | | | | | SAE INVERTED MALE FLARE 90° TUBE BEND | | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|-------|----------|-------|---------|---------|---|------|----|------|----|------|----|--|---------|-----------|
| ACTUAL ID | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | | MALE HEX | | PART NO | | PART NO | | Ca | | L | | DL | | PART NO | |
| DN | inch | inch | inch | | inch | mm | inch | mm | | | inch | mm | inch | mm | inch | mm | | | |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 5/8 | 16 | 5/8 | 16 | V000-05 | 6770-0407 | 2.05 | 52 | 3.07 | 78 | 1.50 | 38 | | | V770-0407 |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 5/8 | 16 | 5/8 | 16 | V000-06 | 6770-0510 | 2.44 | 62 | 3.50 | 89 | 1.97 | 50 | | | V770-0510 |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 11/16 | | 11/16 | | V000-08 | 6770-0610 | 2.40 | 61 | 3.70 | 94 | 1.97 | 50 | | | V770-0610 |

ADAPTORS

TECHNICAL

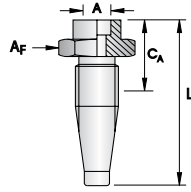
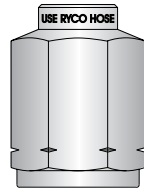
NOTE: Hose Compatibility for the V000 series can be found on page 341.

COUPLINGS

V000 SERIES FIELD ATTACHABLE COUPLINGS

| SALVAGE | V000 FERRULE | 6230 INSERT | V230 COUPLING |
|---------|--------------|-------------|---------------|
|---------|--------------|-------------|---------------|

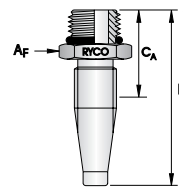
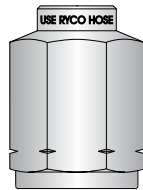
TUBE WELD



| HOSE SIZE ACTUAL ID | | | | | | DASH SIZE | | BACK UP Af | | SALVAGE (LIFESAVER) | | | | | |
|---------------------|-------|-------|-------|------------|----|-----------|-----------|------------|----|---------------------|----|-----------|--|--|--|
| DN | inch | inch | inch | Af-SPANNER | | PART NO | PART NO | CA | | L | | PART NO | | | |
| | | | | inch | mm | | | inch | mm | inch | mm | | | | |
| 5 | 3/16 | 1/4 | -0304 | 5/8 | 16 | V000-04 | 6230-0304 | | | | | V230-0304 | | | |
| 6 | 1/4 | 3/8 | -0506 | 5/8 | 16 | V000-05 | 6230-0406 | 1.10 | 28 | 2.13 | 54 | V230-0406 | | | |
| 8 | 5/16 | 3/8 | -0606 | 5/8 | 16 | V000-06 | 6230-0506 | 0.98 | 25 | 2.09 | 53 | V230-0506 | | | |
| 10 | 3/8 | 3/8 | -0608 | 11/16 | | V000-08 | 6230-0606 | 0.94 | 24 | 2.28 | 58 | V230-0606 | | | |
| 10 | 3/8 | 1/2 | -0810 | 11/16 | | V000-08 | 6230-0608 | 0.94 | 24 | 2.28 | 58 | V230-0608 | | | |
| 12 | 1/2 | 5/8 | -1012 | 7/8 | 22 | V000-10 | 6230-0810 | 1.14 | 29 | 2.44 | 62 | V230-0810 | | | |
| 16 | 5/8 | 3/4 | -1416 | 1 | | V000-12 | 6230-1012 | 1.22 | 31 | 2.64 | 67 | V230-1012 | | | |
| 22 | 7/8 | 1 | -1820 | 1.3/8 | | V000-16 | 6230-1416 | 1.26 | 32 | 2.36 | 60 | V230-1416 | | | |
| 28 | 1.1/8 | 1.1/4 | -2224 | 1.43/50 | | V000-20 | 6230-1820 | 1.61 | 41 | 2.91 | 74 | V230-1820 | | | |
| 35 | 1.3/8 | 1.1/2 | -2224 | 2 | | V000-24 | 6230-2224 | 1.34 | 34 | 2.64 | 67 | V230-2224 | | | |

| UNO (O RING BOSS) | V000 FERRULE | 6200 INSERT | V200 COUPLING |
|-------------------|--------------|-------------|---------------|
|-------------------|--------------|-------------|---------------|

O RING SUPPLIED



| HOSE SIZE ACTUAL ID | | | | | | THRDS SIZE | | TUBE SIZE | | DASH SIZE | | BACK UP Af | | UN O RING MALE (O RING BOSS) | | | | | |
|---------------------|------|--------|------|------------|-------|------------|-----------|-----------|------|-----------|------|------------|-----------|------------------------------|--|--|--|--|--|
| DN | inch | inch | inch | Af-SPANNER | | PART NO | PART NO | CA | | L | | PART NO | | | | | | | |
| | | | | inch | mm | | | inch | mm | inch | mm | | | | | | | | |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 11/16 | V000-05 | 6200-0409 | 1.22 | 31 | 2.24 | 57 | V200-0409 | | | | | | | |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 3/4 | 19 | V000-08 | 6200-0609 | 1.06 | 27 | 2.40 | 61 | V200-0609 | | | | | | |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 7/8 | 22 | V000-08 | 6200-0612 | 1.18 | 30 | 2.52 | 64 | V200-0612 | | | | | | |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 7/8 | 22 | V000-10 | 6200-0812 | 1.30 | 33 | 2.60 | 66 | V200-0812 | | | | | | |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 1 | | V000-10 | 6200-0814 | 1.38 | 35 | 2.68 | 68 | V200-0814 | | | | | | |
| 12 | 1/2 | 1.1/16 | 3/4 | -0817 | 1.1/4 | 32 | V000-10 | 6200-0817 | 1.54 | 39 | 2.83 | 72 | V200-0817 | | | | | | |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1.1/4 | 32 | V000-12 | 6200-1017 | 1.61 | 41 | 3.03 | 77 | V200-1017 | | | | | | |

NOTE: Hose Compatibility for the V000 series can be found on page 341.

FIELD ATTACHABLE FERRULES FOR 6000 SERIES INSERTS

HOSE COMPATIBILITY FOR 6000 SERIES

FIELD ATTACHABLE FERRULES FOR 6000 SERIES INSERTS

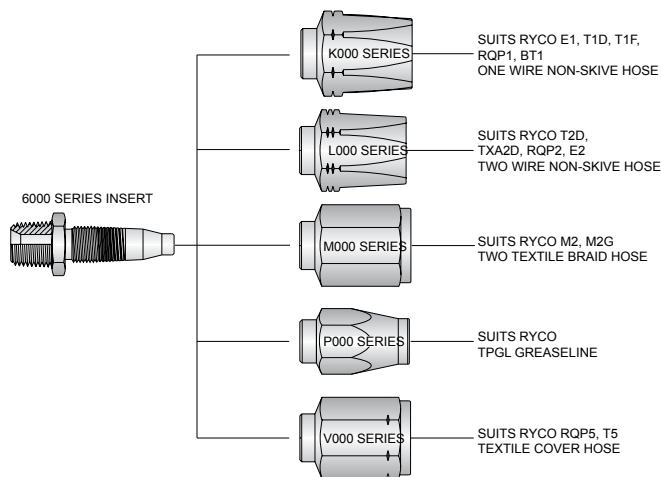
The RYCO Field Attachable system consists of five ferrule styles, each specific to a hose type, and one common insert.

Field attachable inserts and ferrules can be ordered individually, or as a complete coupling for specific hose types.

Field Attachable Inserts for RYCO Hose Series T1D, T2D, TXA2D, RQP1, RQP2, RQP5, T1F, M2, M2G, BT1, E1, E2, T5.

For **V000** Series for RQP5 and T5 Hose Series, see pages 343 to 354.

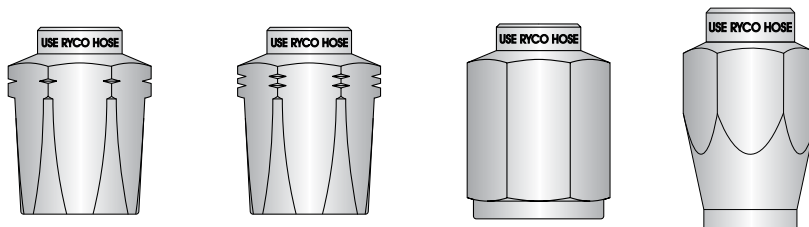
6000 Series Inserts are used with NON-SKIVE Ferrules **K000**, **L000**, **M000**, **P000** and **V000** Series.



V000 Series Couplings for T5 Hose Series are shown on pages 343 to 354.

6000 Series Inserts, for use with **K000**, **L000**, **M000** and **P000** Series Ferrules, are shown on pages 357 to 387

| FERRULES | K000 | L000 | M000 | P000 |
|----------|------|------|------|------|
|----------|------|------|------|------|



| SUITS RYCO HOSE TYPE | | | ONE WIRE BRAID NON-SKIVE | TWO WIRE BRAID NON-SKIVE | TWO TEXTILE BRAID | GREASELINE | | | | | |
|------------------------|-------|------------|--------------------------|---------------------------|-------------------|----------------|----|----------------|----|----------------|----|
| SUITS RYCO HOSE SERIES | | | RYCO T1D, T1F, RQP1, BT1 | RYCO T2D, TXA2D, RQP2, E2 | RYCO M2, M2G | RYCO TPGL | | | | | |
| HOSE SIZE | | USE INSERT | CA ADJ | CA ADJ | CA ADJ | CA ADJ | | | | | |
| DN | inch | Dash | Series | Part No | mm | Part No | mm | Part No | mm | Part No | mm |
| | 1/8 | -02 | 6000-02 | | | | | | | P000-02 | 0 |
| 5 | 3/16 | -03 | 6000-03 | | | | | | | | |
| 6 | 1/4 | -04 | 6000-04 | K000-04 | 0 | L000-04 | 0 | M000-04 | 0 | | |
| 10 | 3/8 | -06 | 6000-06 | K000-06 | 0 | L000-06 | 0 | M000-06 | 0 | | |
| 12 | 1/2 | -08 | 6000-08 | K000-08 | +3 | L000-08 | 0 | M000-08 | 0 | | |
| 16 | 5/8 | -10 | 6000-10 | K000-10 | +1 | L000-10 | 0 | | | | |
| 19 | 3/4 | -12 | 6000-12 | K000-12 | +2 | L000-12 | 0 | M000-12 | 0 | | |
| 25 | 1 | -16 | 6000-16 | K000-16 | 0 | L000-16 | 0 | M000-16 | -2 | | |
| 31 | 1.1/4 | -20 | 6000-20 | | | L000-20 | 0 | | | | |
| 38 | 1.1/2 | -24 | 6000-24 | | | | | | | | |
| 51 | 2 | -32 | 6000-32 | | | | | | | | |

NOTE: For previous Part Number series, remove a zero from the end of the new series Part Number. Eg, **K000** series was previously **K00** series. Part Number **L000-04** was previously **L00-04**. The exception is **M000**, which was previously the **400** series.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

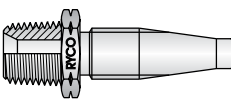
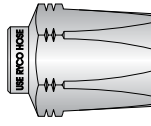
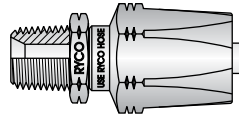
COUPLINGS

HOW TO ORDER RYCO FIELD ATTACHABLE COUPLINGS

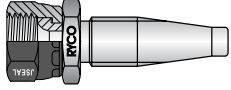
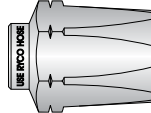
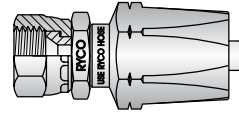
ALL SERIES (EXCEPT V SERIES)

Field Attachable Inserts and Ferrules can be ordered individually, or as complete Couplings. Each Ferrule Series is specific to a hose type as detailed on the previous page. For all Series, except V Series*, the following method is used:

- EXAMPLE 1** To order 1/2" NPT male Insert and Ferrule for 1/2" two wire non-skive hose (T2D).
- (a) Individually Order Insert **6090-0808** (6000 Series). See NPT 6000 Series Inserts on page 362.
Order Ferrule **L000-08**.
L000 Series Ferrules are used on T2D hose; see table on the previous page, or table for Matched Couplings for T2D on page 101.
Dash Size -08 part of **L000-08** comes from 1/2" hose = 8/16" = -08; or from the tables.
- (b) Complete Coupling Order **L090-0808**.
Simply replace the first character of the Insert part number with the first character of the Ferrule part number.
(replace 6 with L) = **6090-0808** »» **L090-0808**

| 6090-0808 Insert | plus L000-08 Ferrule equals | L090-0808 complete Coupling |
|---|---|---|
|  |  |  |

- EXAMPLE 2** To order 3/4"-16 JIC female Insert and Ferrule for 3/8" RQP1 series hose.
- (a) Individually Order Insert **6040-0612** (6000 Series). See JIC 6000 Series Inserts on page 366.
Order Ferrule **K000-06**.
K000 Series Ferrules are used on RQP1 hose; see table on previous page, table for Matched Couplings for RQP1 on page 113.
Dash Size -06 part of **K000-06** comes from 3/8" hose = 6/16" = -06; or from the tables.
- (b) Complete Coupling Order **K040-0612**.
Simply replace the first character of the Insert part number with the first character of the Ferrule part number.
(replace 6 with K) = **6040-0612** »» **K040-0612**

| 6040-0612 Insert | plus K000-06 Ferrule equals | K040-0612 complete Coupling |
|---|---|---|
|  |  |  |

* See page 342 for How To Order RYCO V000 Series Field Attachable Couplings for RQP5 and T5 Series Hose.

CUT-OFF ALLOWANCE (CA) DIMENSIONS FOR FIELD ATTACHABLES

Due to differences in Ferrule design, many Cut-Off Allowance (CA) dimensions vary between each Ferrule Series for the same matched Insert/Hose size.

The Cut-Off Allowance (CA) dimensions published in "6000 Series Field Attachable Inserts" section allow for the Ferrule being eased back 5/8 of a turn after the hose has bottomed in the ferrule, as per "Field Attachable Assembly Instructions" (ease back between 1/2 and 3/4 of a turn).

The Cut-Off Allowance (CA) values for 6000 Series Inserts, published in the tables on pages 357 to 387 are:
Up to and including -20 Size; the CA is for **L000** Series (the most popular series)

To determine the correct Cut-Off Allowance (CA) for other Ferrule Series, use the published figure from pages 357 to 387, and adjust by the CA Adjustment dimension listed in the table on the previous page.

- EXAMPLE:** Determine the Cut-Off Allowance (CA) for **K090-0808**.
From table on page 108, Cut-Off Allowance (CA) for **6090-0808** (L090-0808) is 42 mm.
From the table on the previous page, adjustment for **K000** Series in -08 size is "add 3 mm".
Cut-Off Allowance (CA) for K090-0808 = 42 mm + 3 mm = 45 mm.

If the hose assembly length is critical, when calculating the Cut Length of hose, you must also allow for an increase in length of hose when the coupling is attached, due to compression within the coupling; see page 468.

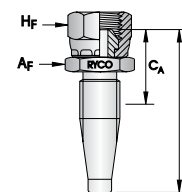
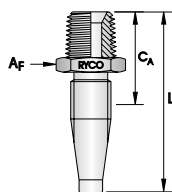
For further information about Hose Assemblies and Cut-Off Allowances (CA), see pages 468 to 473 of the Technical Section.

* For Cut-Off Allowances (CA), and **V Series** Couplings, refer to pages 343 to 356.

6000 SERIES FIELD ATTACHABLE INSERTS

| | | |
|-------------|-------------|-------------|
| BSPT | 6010 | 6020 |
|-------------|-------------|-------------|

60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | BSPT MALE | | | | BSPT FEMALE | | | | | | | |
|-----------|-------|-----------|-----------|------------|----|------------|----|------------------|--|------|----|-------------|-----|------------------|--|------|----|------|-----|
| DN | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | | CA | | L | | PART NO | | CA | | L | |
| | | | | inch | mm | inch | mm | | | inch | mm | inch | mm | | | inch | mm | inch | mm |
| 4 | 1/8 | 1/8 | -0202 | 7/16 | 11 | 7/16 | 11 | 6010-0202 | | 1.02 | 26 | 1.65 | 42 | 6020-0202 | | 1.02 | 26 | 1.61 | 41 |
| 5 | 3/16 | 1/8 | -0302 | 5/8 | 16 | 5/8 | 16 | | | | | | | 6020-0302 | | 0.98 | 25 | 1.81 | 46 |
| 6 | 1/4 | 1/8 | -0402 | 5/8 | 16 | 5/8 | 16 | 6010-0402 | | 1.22 | 31 | 2.24 | 57 | 6020-0402 | | 1.22 | 31 | 2.24 | 57 |
| 6 | 1/4 | 1/4 | -0404 | 5/8 | 16 | 11/16 | | 6010-0404 | | 1.38 | 35 | 2.44 | 62 | 6020-0404 | | 1.22 | 31 | 2.28 | 58 |
| 6 | 1/4 | 3/8 | -0406 | 11/16 | | 11/16 | | 6010-0406 | | 1.38 | 35 | 2.44 | 62 | 6020-0406 | | 1.30 | 33 | 2.36 | 60 |
| 8 | 5/16 | 1/4 | -0504 | 5/8 | 16 | 5/8 | 16 | 6010-0504 | | 1.30 | 33 | 2.36 | 60 | 6020-0504 | | 1.14 | 29 | 2.20 | 56 |
| 8 | 5/16 | 3/8 | -0506 | 11/16 | | 11/16 | | 6010-0506 | | 1.30 | 33 | 2.36 | 60 | 6020-0506 | | 1.30 | 33 | 2.36 | 60 |
| 10 | 3/8 | 1/8 | -0606 | 11/16 | | | | 6010-0602 | | 1.10 | 28 | 2.40 | 61 | | | | | | |
| 10 | 3/8 | 1/4 | -0604 | 11/16 | | 11/16 | | 6010-0604 | | 1.26 | 32 | 2.60 | 66 | 6020-0604 | | 1.10 | 28 | 2.40 | 61 |
| 10 | 3/8 | 3/8 | -0606 | 11/16 | | 13/16 | | 6010-0606 | | 1.26 | 32 | 2.60 | 66 | 6020-0606 | | 1.22 | 31 | 2.56 | 65 |
| 10 | 3/8 | 1/2 | -0608 | 7/8 | 22 | 7/8 | 22 | 6010-0608 | | 1.54 | 39 | 2.83 | 72 | 6020-0608 | | 1.30 | 33 | 2.60 | 66 |
| 12 | 1/2 | 1/4 | -0804 | 13/16 | | | | 6010-0804 | | 1.46 | 37 | 2.76 | 70 | | | | | | |
| 12 | 1/2 | 3/8 | -0806 | 13/16 | | 13/16 | | 6010-0806 | | 1.46 | 37 | 2.76 | 70 | 6020-0806 | | 1.34 | 34 | 2.64 | 67 |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | 1 | | 6010-0808 | | 1.65 | 42 | 2.91 | 74 | 6020-0808 | | 1.42 | 36 | 2.72 | 69 |
| 12 | 1/2 | 3/4 | -0812 | 1 | | 1 | | | | | | | | 6020-0812 | | 1.42 | 36 | 2.72 | 69 |
| 16 | 5/8 | 1/2 | -1008 | 1.1/8 | | | | 6010-1008 | | 1.77 | 45 | 3.19 | 81 | | | | | | |
| 16 | 5/8 | 5/8 | -1010 | 1.1/8 | | 1.1/8 | | 6010-1010 | | 1.77 | 45 | 3.19 | 81 | 6020-1010 | | 1.50 | 38 | 2.91 | 74 |
| 16 | 5/8 | 3/4 | -1012 | 1.1/8 | | 1.1/8 | | 6010-1012 | | 1.77 | 45 | 3.19 | 81 | 6020-1012 | | 1.57 | 40 | 2.99 | 76 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 1.1/4 | 32 | 6010-1212 | | 1.65 | 42 | 3.15 | 80 | 6020-1212 | | 1.50 | 38 | 2.99 | 76 |
| 19 | 3/4 | 1 | -1216 | 1.3/8 | | 1.1/2 | 38 | 6010-1216 | | 1.97 | 50 | 3.46 | 88 | 6020-1216 | | 1.65 | 42 | 3.11 | 79 |
| 22 | 7/8 | 1 | -1416 | 1.1/2 | 38 | 1.1/2 | 38 | | | | | | | 6020-1416 | | 1.57 | 40 | 2.64 | 67 |
| 25 | 1 | 1 | -1616 | 1.3/8 | | 1.1/2 | 38 | 6010-1616 | | 2.17 | 55 | 3.66 | 93 | 6020-1616 | | 1.81 | 46 | 3.35 | 85 |
| 28 | 1.1/8 | 1.1/4 | -1820 | | | | | 6010-1820 | | 2.28 | 58 | 3.54 | 90 | 6020-1820 | | 2.01 | 51 | 3.31 | 84 |
| 31 | 1.1/4 | 1.1/4 | -2020 | | | | | 6010-2020 | | 2.36 | 60 | 4.49 | 114 | 6020-2020 | | 2.13 | 54 | 4.21 | 107 |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2.1/4 | 57 | 2.1/4 | 57 | 6010-2424 | | 2.24 | 57 | 4.72 | 120 | 6020-2424 | | 2.01 | 51 | 4.49 | 114 |
| 51 | 2 | 2 | -3232 | 2.1/2 | | 2.3/4 | 70 | 6010-3232 | | 2.60 | 66 | 5.39 | 137 | 6020-3232 | | 2.44 | 62 | 5.24 | 133 |

NOTE: Hose Compatibility for the **6000** series can be found on page 355.

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HOSE

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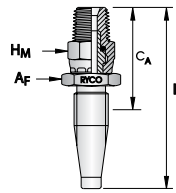
COUPLINGS

6000 SERIES FIELD ATTACHABLE INSERTS

BSPT

6320

60° SEAT



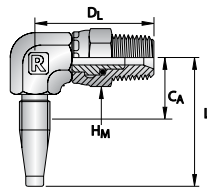
| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP AF | | MALE HEX | | BSPT MALE SWIVEL | | | | |
|-----------|------|-----------|-----------|------------|----|------------|----|------------------|----------------|----|------|----|
| DN | inch | inch | | AF-SPANNER | | HM-SPANNER | | PART NO | C _A | | L | |
| | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 4 | 1/8 | 1/8 | -0202 | 1/2 | | 1/2 | | 6320-0202 | 1.18 | 30 | 1.81 | 46 |
| 10 | 3/8 | 3/8 | -0606 | 7/8 | 22 | 7/8 | 22 | 6320-0606 | 2.01 | 51 | 3.35 | 85 |
| 10 | 3/8 | 1/2 | -0608 | 7/8 | 22 | 7/8 | 22 | 6320-0608 | 2.20 | 56 | 3.50 | 89 |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | 7/8 | 22 | 6320-0808 | 2.32 | 59 | 3.62 | 92 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/8 | | 1.1/8 | | 6320-1212 | 2.32 | 59 | 3.82 | 97 |

NOTE: The "Live Swivel" 6320 Series Insert is for Maximum Working Pressure: 420 bar (6100 psi): -04 & -06 Thread Size, 350 bar (5100 psi): -08 Thread Size, 280 bar (4100 psi): -12 Thread Size, 215 bar (3100 psi): -16 Thread Size. The swivel capability is to allow easy installation and orientation and avoid twisting of hose. They are not designed for continuous rotation or continuous movement.

BSPT

6340

60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP AF | | BSPT MALE SWIVEL 90° ELBOW | | | | | | |
|-----------|------|-----------|-----------|------------|----|----------------------------|----------------|----|------|----|----------------|----|
| DN | inch | inch | | AF-SPANNER | | PART NO | C _A | | L | | D _L | |
| | | | | inch | mm | | inch | mm | inch | mm | inch | mm |
| 10 | 3/8 | 3/8 | -0606 | 3/4 | 19 | 6340-0606 | 0.98 | 25 | 2.28 | 58 | 1.77 | 45 |
| 10 | 3/8 | 1/2 | -0608 | 3/4 | 19 | 6340-0608 | 0.98 | 25 | 2.28 | 58 | 1.97 | 50 |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | 6340-0808 | 1.26 | 32 | 2.56 | 65 | 2.05 | 52 |

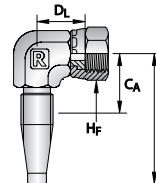
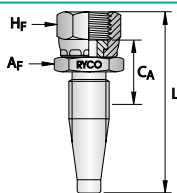
NOTE: The "Live Swivel" 6340 Series Insert is for Maximum Working Pressure: 420 bar (6100 psi): -04 & -06 Thread Size, 350 bar (5100 psi): -08 Thread Size, 280 bar (4100 psi): -12 Thread Size, 215 bar (3100 psi): -16 Thread Size. Their swivel capability is to allow easy installation and orientation and avoid twisting of hose. They are not designed for continuous rotation or continuous movement.

NOTE: Hose Compatibility for the 6000 series can be found on page 355.

6000 SERIES FIELD ATTACHABLE INSERTS

| | | |
|-------------|-------------|-------------|
| BSPP | 6024 | 6052 |
|-------------|-------------|-------------|

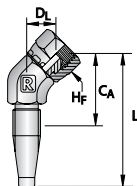
FLAT SEATS



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | FEMALE HEX | BSPP FEMALE FLAT FACE | | | | | | BSPP FEMALE FLAT FACE 90° ELBOW | | | | | | | | |
|-----------|------|-----------|-----------|------------|------------|-----------------------|----|------------------|------|----|------|---------------------------------|------------------|------|----|------|----|------|----|------|
| DN | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | CA | | L | | PART NO | CA | | L | | DL | | |
| | | | | inch | mm | inch | mm | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm | inch |
| 6 | 1/4 | 1/4 | -0404 | 11/16 | | 3/4 | 19 | 6024-0404 | 1.14 | 29 | 2.20 | 56 | | | | | | | | |
| 10 | 3/8 | 3/8 | -0606 | 13/16 | | 7/8 | 22 | 6024-0606 | 1.14 | 29 | 2.44 | 62 | | | | | | | | |
| 10 | 3/8 | 1/2 | -0608 | 7/8 | 22 | 1.1/16 | 27 | 6024-0608 | 1.14 | 29 | 2.44 | 62 | 6052-0608 | 1.02 | 26 | 2.32 | 59 | 0.94 | 24 | |
| 12 | 1/2 | 1/2 | -0808 | 1 | | 1.1/16 | 27 | 6024-0808 | 1.26 | 32 | 2.56 | 65 | | | | | | | | |
| 12 | 1/2 | 3/4 | -0812 | 1 | | 1.1/4 | 32 | 6024-0812 | 1.34 | 34 | 2.64 | 67 | | | | | | | | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | 1.1/4 | 32 | 6024-1212 | 1.42 | 36 | 2.87 | 73 | | | | | | | | |

| | |
|-------------|-------------|
| BSPP | 6060 |
|-------------|-------------|

60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | BSPP FEMALE 45° ELBOW | | | | | | | | | |
|-----------|-------|-----------|-----------|------------|-----------------------|------------------|------|----|------|-----|------|----|--|--|
| DN | inch | inch | | Hf-SPANNER | | PART NO | CA | | L | | DL | | | |
| | | | | inch | mm | | inch | mm | inch | mm | inch | mm | | |
| 6 | 1/4 | 1/4 | -0404 | 3/4 | 19 | 6060-0404 | 1.61 | 41 | 2.68 | 68 | 0.59 | 15 | | |
| 10 | 3/8 | 3/8 | -0606 | 7/8 | 22 | 6060-0606 | 1.65 | 42 | 2.95 | 75 | 0.67 | 17 | | |
| 12 | 1/2 | 1/2 | -0808 | 1.1/16 | 27 | 6060-0808 | 1.97 | 50 | 3.27 | 83 | 0.71 | 18 | | |
| 16 | 5/8 | 5/8 | -1010 | 1.3/16 | 30 | 6060-1010 | 1.97 | 50 | 3.39 | 86 | 0.67 | 17 | | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | 6060-1212 | 1.97 | 50 | 3.43 | 87 | 0.79 | 20 | | |
| 25 | 1 | 1 | -1616 | 1.1/2 | 38 | 6060-1616 | 2.36 | 60 | 3.90 | 99 | 0.83 | 21 | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | 2 | 50 | 6060-2020 | 2.56 | 65 | 4.69 | 119 | 0.98 | 25 | | |

NOTE: Hose Compatibility for the **6000** series can be found on page 355.

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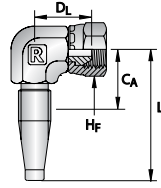
COUPLINGS

6000 SERIES FIELD ATTACHABLE INSERTS

BSPP

6050

60° SEAT



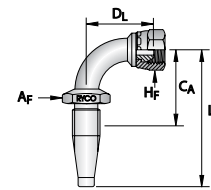
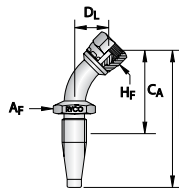
| HOSE SIZE | | THRD SIZE | DASH SIZE | FEMALE HEX | | PART NO | BSPP FEMALE 90° ELBOW | | CA | | L | | DL | |
|-----------|-------|-----------|-----------|------------|----|------------------|-----------------------|----|------|-----|------|----|------|----|
| DN | inch | inch | | inch | mm | | inch | mm | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | 3/4 | 19 | 6050-0404 | 1.06 | 27 | 2.09 | 53 | 0.94 | 24 | | |
| 6 | 1/4 | 3/8 | -0406 | 7/8 | 22 | 6050-0406 | 1.06 | 27 | 2.13 | 54 | 1.10 | 28 | | |
| 10 | 3/8 | 3/8 | -0606 | 7/8 | 22 | 6050-0606 | 0.98 | 25 | 2.28 | 58 | 1.10 | 28 | | |
| 10 | 3/8 | 1/2 | -0608 | 1.1/16 | 27 | 6050-0608 | 1.02 | 26 | 2.32 | 59 | 1.22 | 31 | | |
| 12 | 1/2 | 1/2 | -0808 | 1.1/16 | 27 | 6050-0808 | 1.26 | 32 | 2.56 | 65 | 1.22 | 31 | | |
| 16 | 5/8 | 5/8 | -1010 | 1.3/16 | 30 | 6050-1010 | 1.34 | 34 | 2.76 | 70 | 1.18 | 30 | | |
| 19 | 3/4 | 3/4 | -1212 | 1.1/4 | 32 | 6050-1212 | 1.26 | 32 | 2.72 | 69 | 1.38 | 35 | | |
| 25 | 1 | 1 | -1616 | 1.1/2 | 38 | 6050-1616 | 1.61 | 41 | 3.15 | 80 | 1.57 | 40 | | |
| 31 | 1.1/4 | 1.1/4 | -2020 | 2 | 50 | 6050-2020 | 2.36 | 60 | 4.49 | 114 | 1.85 | 47 | | |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2.3/16 | 55 | 6050-2424 | 2.17 | 55 | 4.65 | 118 | 2.36 | 60 | | |
| 51 | 2 | 2 | -3232 | 2.3/4 | 70 | 6050-3232 | 2.20 | 56 | 5.00 | 127 | 2.44 | 62 | | |

BSPP

6270

6260

60° SEAT



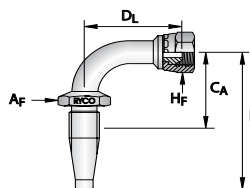
| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | PART NO | BSPP FEMALE 45° TUBE BEND | | | | BSPP FEMALE 90° TUBE BEND | | | | | | | | |
|-----------|-------|-----------|-----------|------------|----|------------|----|------------------|---------------------------|-----|------|-----|---------------------------|----|------------------|------|-----|------|-----|------|-----|
| DN | inch | inch | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm | inch | mm | | | | | |
| 6 | 1/4 | 1/4 | -0404 | 5/8 | 16 | 3/4 | 19 | 6270-0404 | 1.85 | 47 | 2.87 | 73 | 0.67 | 17 | 6260-0404 | 1.54 | 39 | 2.60 | 66 | 1.14 | 29 |
| 8 | 5/16 | 3/8 | -0506 | 5/8 | 16 | 7/8 | 22 | 6270-0506 | 2.09 | 53 | 3.19 | 81 | 0.75 | 19 | 6260-0506 | 1.73 | 44 | 2.80 | 71 | 1.34 | 34 |
| 10 | 3/8 | 3/8 | -0606 | 11/16 | | 7/8 | 22 | 6270-0606 | 2.05 | 52 | 3.35 | 85 | 0.71 | 18 | 6260-0606 | 1.73 | 44 | 3.03 | 77 | 1.30 | 33 |
| 12 | 1/2 | 1/2 | -0608 | 13/16 | | 1.1/16 | 27 | | 2.44 | 62 | 3.74 | 95 | 0.87 | 22 | 6260-0608 | 1.73 | 44 | 3.03 | 77 | 1.30 | 33 |
| 12 | 1/2 | 1/2 | -0808 | 13/16 | | 1.1/16 | 27 | 6270-0808 | 2.72 | 69 | 4.13 | 105 | 0.91 | 23 | 6260-0808 | 2.09 | 53 | 3.39 | 86 | 1.69 | 43 |
| 12 | 1/2 | 5/8 | -0810 | 13/16 | | 1.3/16 | 30 | | 3.23 | 82 | 4.69 | 119 | 1.14 | 29 | 6260-0810 | 2.13 | 54 | 3.43 | 87 | 1.77 | 45 |
| 16 | 5/8 | 5/8 | -1010 | 1 | | 1.3/16 | 30 | 6270-1010 | 4.25 | 108 | 5.79 | 147 | 1.54 | 39 | 6260-1010 | 2.48 | 63 | 3.90 | 99 | 2.01 | 51 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 1.1/4 | 32 | 6270-1212 | 4.80 | 122 | 6.93 | 176 | 1.73 | 44 | 6260-1212 | 2.68 | 68 | 4.13 | 105 | 2.28 | 58 |
| 25 | 1 | 1 | -1616 | 1.3/8 | | 1.1/2 | 38 | 6270-1616 | 5.20 | 132 | 6.50 | 165 | 2.13 | 54 | 6260-1616 | 3.27 | 83 | 4.80 | 122 | 2.87 | 73 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.3/4 | | 2 | 50 | 6270-2020 | 6.50 | 165 | 9.25 | 235 | 2.56 | 65 | 6260-2020 | 4.17 | 106 | 6.30 | 160 | 3.46 | 88 |
| 35 | 1.3/8 | 1.1/2 | -2224 | 2 | | 2.3/16 | 55 | 6270-2224 | 5.20 | 132 | 6.50 | 165 | 2.13 | 54 | 6260-2224 | 4.45 | 113 | 5.75 | 146 | 4.17 | 106 |
| 51 | 2 | 2 | -3232 | 2.1/2 | | 2.3/4 | 70 | 6270-3232 | 6.50 | 165 | 9.25 | 235 | 2.56 | 65 | 6260-3232 | 5.98 | 152 | 8.74 | 222 | 5.20 | 132 |

NOTE: Hose Compatibility for the **6000** series can be found on page 355.

6000 SERIES FIELD ATTACHABLE INSERTS

| | |
|-------------|-------------|
| BSPP | 6210 |
|-------------|-------------|

60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | BSPP FEMALE 90° LONG TUBE BEND | | | | | | |
|-----------|-------|-----------|-----------|------------|----|------------|----|--------------------------------|------|-----|------|-----|------|-----|
| DN | inch | inch | | AF-SPANNER | | HF-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | 5/8 | 16 | 3/4 | 19 | 6210-0404 | 1.54 | 39 | 2.60 | 66 | 1.85 | 47 |
| 10 | 3/8 | 3/8 | -0606 | 11/16 | | 7/8 | 22 | 6210-0606 | 1.69 | 43 | 2.99 | 76 | 2.17 | 55 |
| 12 | 1/2 | 1/2 | -0808 | 13/16 | | 1.1/16 | 27 | 6210-0808 | 2.05 | 52 | 3.35 | 85 | 2.76 | 70 |
| 16 | 5/8 | 5/8 | -1010 | 1 | | 1.3/16 | 30 | 6210-1010 | 2.36 | 60 | 3.78 | 96 | 3.19 | 81 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 1.1/4 | 32 | 6210-1212 | 2.68 | 68 | 4.13 | 105 | 3.78 | 96 |
| 25 | 1 | 1 | -1616 | 1.3/8 | | 1.1/2 | 38 | 6210-1616 | 3.27 | 83 | 4.80 | 122 | 4.29 | 109 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.3/4 | | 2 | 50 | 6210-2020 | 4.17 | 106 | 6.30 | 160 | 5.59 | 142 |

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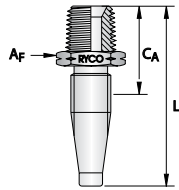
NOTE: Hose Compatibility for the **6000** series can be found on page 355.

COUPLINGS

6000 SERIES FIELD ATTACHABLE INSERTS

| | |
|------------|-------------|
| NPT | 6090 |
|------------|-------------|

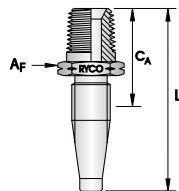
60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP AF | | NPT MALE | | | | |
|-----------|-------|-----------|-----------|------------|----|------------------|------|----|------|-----|
| DN | inch | inch | | AF-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 4 | 1/8 | 1/8 | -0202 | 5/8 | 16 | 6090-0202 | 1.02 | 26 | 1.65 | 42 |
| 5 | 3/16 | 1/8 | -0302 | 7/16 | 11 | 6090-0302 | 0.98 | 25 | 1.81 | 46 |
| 5 | 3/16 | 1/4 | -0304 | 5/8 | 16 | 6090-0304 | 1.18 | 30 | 1.97 | 50 |
| 6 | 1/4 | 1/8 | -0402 | 7/16 | 11 | 6090-0402 | 1.22 | 31 | 2.24 | 57 |
| 6 | 1/4 | 1/4 | -0404 | 5/8 | 16 | 6090-0404 | 1.38 | 35 | 2.44 | 62 |
| 6 | 1/4 | 3/8 | -0406 | 11/16 | | 6090-0406 | 1.38 | 35 | 2.44 | 62 |
| 8 | 5/16 | 1/4 | -0504 | 5/8 | 16 | 6090-0504 | 1.30 | 33 | 2.36 | 60 |
| 8 | 5/16 | 3/8 | -0506 | 11/16 | | 6090-0506 | 1.38 | 35 | 2.44 | 62 |
| 10 | 3/8 | 1/4 | -0604 | 11/16 | | 6090-0604 | 1.26 | 32 | 2.60 | 66 |
| 10 | 3/8 | 3/8 | -0606 | 11/16 | | 6090-0606 | 1.26 | 32 | 2.60 | 66 |
| 10 | 3/8 | 1/2 | -0608 | 7/8 | 22 | 6090-0608 | 1.54 | 39 | 2.83 | 72 |
| 12 | 1/2 | 3/8 | -0806 | 7/8 | 22 | 6090-0806 | 1.46 | 37 | 2.76 | 70 |
| 12 | 1/2 | 1/2 | -0808 | 7/8 | 22 | 6090-0808 | 1.65 | 42 | 2.91 | 74 |
| 16 | 5/8 | 1/2 | -1008 | 1.1/8 | | 6090-1008 | 1.77 | 45 | 3.19 | 81 |
| 16 | 5/8 | 3/4 | -1012 | 1.1/8 | | 6090-1012 | 1.77 | 45 | 3.19 | 81 |
| 19 | 3/4 | 1/2 | -1208 | 1.1/8 | | 6090-1208 | 1.65 | 42 | 3.15 | 80 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 6090-1212 | 1.65 | 42 | 3.15 | 80 |
| 22 | 7/8 | 1 | -1416 | 1.3/8 | | 6090-1416 | 1.89 | 48 | 2.99 | 76 |
| 25 | 1 | 1 | -1616 | 1.3/8 | | 6090-1616 | 2.17 | 55 | 3.66 | 93 |
| 28 | 1.1/8 | 1.1/4 | -1820 | | | 6090-1820 | 2.28 | 58 | 3.54 | 90 |
| 31 | 1.1/4 | 1.1/4 | -2020 | | | 6090-2020 | 2.36 | 60 | 4.49 | 114 |
| 35 | 1.3/8 | 1.1/2 | -2224 | 2 | | 6090-2224 | 2.01 | 51 | 3.31 | 84 |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2.1/4 | 57 | 6090-2424 | 2.24 | 57 | 4.72 | 120 |
| 51 | 2 | 2 | -3232 | 2.1/2 | | 6090-3232 | 2.60 | 66 | 5.39 | 137 |

| | |
|------------|-------------|
| NPT | 6091 |
|------------|-------------|

60° SEAT



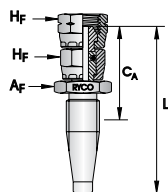
| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP AF | | NPT MALE EXTENDED | | | | |
|-----------|------|-----------|-----------|------------|----|-------------------|------|----|------|----|
| DN | inch | inch | | AF-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 3/8 | -0406 | 3/4 | 19 | 6091-0406 | 1.69 | 43 | 2.76 | 70 |
| 10 | 3/8 | 3/8 | -0606 | 3/4 | 19 | 6091-0606 | 1.57 | 40 | 2.87 | 73 |

NOTE: Hose Compatibility for the **6000** series can be found on page 355.

6000 SERIES FIELD ATTACHABLE INSERTS

| | |
|-------------|--------------|
| NPSM | 6960B |
|-------------|--------------|

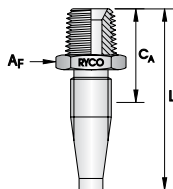
60° SEAT



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | NPSM FEMALE LIVE SWIVEL | | | | | |
|-----------|------|-----------|-----------|------------|----|------------|----|-------------------------|------|----|------|----|--|
| DN | inch | inch | | AF-SPANNER | | HF-SPANNER | | PART NO | | CA | | L | |
| | inch | inch | | inch | mm | inch | mm | | inch | mm | inch | mm | |
| 6 | 1/4 | 1/4 | -0404 | 11/16 | | 11/16 | | 6960B-0404 | 1.42 | 36 | 2.48 | 63 | |
| 10 | 3/8 | 1/4 | -0604 | 11/16 | | 11/16 | | 6960B-0604 | 1.30 | 33 | 2.60 | 66 | |

| | |
|------------------------|-------------|
| GREASELINE BSPT | 6010 |
|------------------------|-------------|

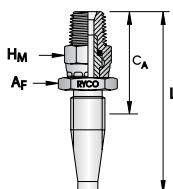
60° SEAT
FOR TPGL HOSE



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP AF | | MALE HEX | | BSPT MALE | | | | | |
|-----------|------|-----------|-----------|------------|----|------------|----|------------------|------|----|------|----|--|
| DN | inch | inch | | AF-SPANNER | | HM-SPANNER | | PART NO | | CA | | L | |
| | inch | inch | | inch | mm | inch | mm | | inch | mm | inch | mm | |
| 4 | 1/8 | 1/8 | -0202 | 7/16 | 11 | 7/16 | 11 | 6010-0202 | 1.02 | 26 | 1.65 | 42 | |

| | |
|------------------------|-------------|
| GREASELINE BSPT | 6320 |
|------------------------|-------------|

60° SEAT
FOR TPGL HOSE



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP AF | | MALE HEX | | BSPT MALE SWIVEL | | | | | |
|-----------|------|-----------|-----------|------------|----|------------|----|------------------|------|----|------|----|--|
| DN | inch | inch | | AF-SPANNER | | HM-SPANNER | | PART NO | | CA | | L | |
| | inch | inch | | inch | mm | inch | mm | | inch | mm | inch | mm | |
| 4 | 1/8 | 1/8 | -0202 | 1/2 | | 1/2 | | 6320-0202 | 1.18 | 30 | 1.81 | 46 | |

NOTE: For use with TPGL2 and P000-02. These "Live Swivel" 6320 Series Inserts are for Maximum Working Pressure: 420 bar (6100 psi) -02 Hose Size.

NOTE: Hose Compatibility for the **6000** series can be found on page 355.

INTRODUCTION

HOSE

COUPLINGS

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TECHNICAL

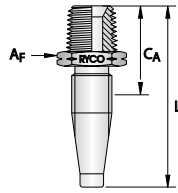
COUPLINGS

6000 SERIES FIELD ATTACHABLE INSERTS

GREASELINE NPTF

6090

60° SEAT
FOR TPGL HOSE

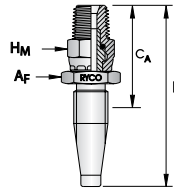


| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP AF | | NPTF MALE | | | | |
|-----------|------|-----------|-----------|------------|----|-----------|------|----|------|----|
| DN | inch | inch | | AF-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 4 | 1/8 | 1/8 | -0202 | 5/8 | 16 | 6090-0202 | 1.02 | 26 | 1.65 | 42 |

GREASELINE NPTF

6320N

60° SEAT
FOR TPGL HOSE



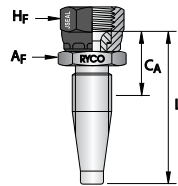
| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP AF | | MALE HEX | | NPTF MALE SWIVEL | | | | |
|-----------|------|-----------|-----------|------------|----|-------------|----|------------------|------|----|------|----|
| DN | inch | inch | | AF-SPANNER | | HM1-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 4 | 1/8 | 1/8 | -0202 | 1/2 | | 1/2 | | 6320N-0202 | 1.18 | 30 | 1.81 | 46 |

NOTE: For use with TPGL2 and P000-02. These "Live Swivel" 6320 Series Inserts are for Maximum Working Pressure: 420 bar (6100 psi) -02 Hose Size.

GREASELINE JSEAL™ / JIC

6040

CONVEX SEAT
FOR TPGL HOSE



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | JSEAL™ / JIC FEMALE | | | | |
|-----------|------|-----------|-----------|------------|----|------------|----|---------------------|------|----|------|----|
| DN | inch | inch | | AF-SPANNER | | HF-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 4 | 1/8 | 7/16 | -0207 | 7/16 | 11 | 9/16 | | 6040-0207 | 0.94 | 24 | 1.57 | 40 |

NOTE: Hose Compatibility for the 6000 series can be found on page 355.

6000 SERIES FIELD ATTACHABLE INSERTS

| | | |
|---------------------------|-------------|-------------|
| GREASELINE SPECIAL | 6860 | 6861 |
|---------------------------|-------------|-------------|

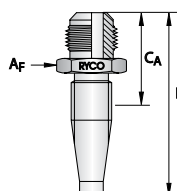
UNS TAPER



| HOSE SIZE | | THRD SIZE | DASH SIZE | BACK UP Af | | GREASE LINE MALE | | | | GREASE LINE FIXED FEMALE | | | | | | | |
|-----------|------|------------|-----------|------------|----|------------------|--|------|----|--------------------------|----|------------------|--|------|----|------|----|
| DN | inch | inch | | Af-SPANNER | | PART NO | | CA | | L | | PART NO | | CA | | L | |
| | | | | inch | mm | | | inch | mm | inch | mm | | | inch | mm | inch | mm |
| 6 | 1/4 | 1/2x27 TPI | -0408 | 11/16 | | 6860-0408 | | 1.38 | 35 | 2.44 | 62 | 6861-0408 | | 1.26 | 32 | 2.32 | 59 |
| 10 | 3/8 | 1/2x27 TPI | -0608 | 3/4 | 19 | | | | | | | 6861-0608 | | 1.14 | 29 | 2.44 | 62 |

| | |
|-------------------|-------------|
| JIC - MALE | 6030 |
|-------------------|-------------|

37° FLARE



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | | JIC MALE | | | | | |
|-----------|-------|-----------|-----------|-----------|------------|----|------------------|--|------|----|------|-----|
| DN | inch | inch | inch | | Af-SPANNER | | PART NO | | CA | | L | |
| | | | | | inch | mm | | | inch | mm | inch | mm |
| 4 | 1/8 | 7/16 | 1/4 | -0207 | 1/2 | | 6030-0207 | | 1.26 | 32 | 1.89 | 48 |
| 5 | 3/16 | 7/16 | 1/4 | -0307 | 5/8 | 16 | 6030-0307 | | 1.14 | 29 | 1.97 | 50 |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 5/8 | 16 | 6030-0407 | | 1.38 | 35 | 2.40 | 61 |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 5/8 | 16 | 6030-0408 | | 1.38 | 35 | 2.40 | 61 |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 5/8 | 16 | 6030-0409 | | 1.38 | 35 | 2.44 | 62 |
| 6 | 1/4 | 3/4 | 1/2 | -0412 | 13/16 | | 6030-0412 | | 1.54 | 39 | 2.60 | 66 |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 11/16 | | 6030-0609 | | 1.26 | 32 | 2.56 | 65 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 13/16 | | 6030-0612 | | 1.42 | 36 | 2.72 | 69 |
| 10 | 3/8 | 7/8 | 5/8 | -0614 | 1 | | 6030-0614 | | 1.50 | 38 | 2.83 | 72 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 13/16 | | 6030-0812 | | 1.54 | 39 | 2.83 | 72 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 15/16 | 24 | 6030-0814 | | 1.61 | 41 | 2.91 | 74 |
| 12 | 1/2 | 1.1/16 | 3/4 | -0817 | 1.1/8 | | 6030-0817 | | 1.81 | 46 | 3.07 | 78 |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 1.1/8 | | 6030-1014 | | 1.77 | 45 | 3.19 | 81 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1.1/8 | | 6030-1017 | | 1.89 | 48 | 3.31 | 84 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/8 | | 6030-1217 | | 1.81 | 46 | 3.31 | 84 |
| 19 | 3/4 | 1.3/16 | 7/8 | -1219 | 1.1/4 | 32 | 6030-1219 | | 1.85 | 47 | 3.31 | 84 |
| 19 | 3/4 | 1.5/16 | 1 | -1221 | 1.3/8 | | 6030-1221 | | 1.93 | 49 | 3.43 | 87 |
| 25 | 1 | 1.1/16 | 3/4 | -1617 | 1.3/8 | | 6030-1617 | | 2.05 | 52 | 3.58 | 91 |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.3/8 | | 6030-1621 | | 2.09 | 53 | 3.62 | 92 |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | 1.3/4 | | 6030-2026 | | 2.36 | 60 | 4.49 | 114 |

NOTE: Hose Compatibility for the **6000** series can be found on page 355.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

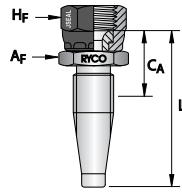
COUPLINGS

6000 SERIES FIELD ATTACHABLE INSERTS

JSEAL™ / JIC

6040

CONVEX SEAT



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | JSEAL™ / JIC FEMALE | | | | |
|-----------|---------|-----------|-----------|-----------|------------|----|------------|----|---------------------|------|----|------|-----|
| DN | inch | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | Ca | | L | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 4 | 1/8 | 7/16 | 1/4 | -0207 | 7/16 | 11 | 9/16 | | 6040-0207 | 0.94 | 24 | 1.57 | 40 |
| 5 | 3/16 | 7/16 | 1/4 | -0307 | 9/16 | | 9/16 | | 6040-0307 | 0.91 | 23 | 1.73 | 44 |
| 6 | 1/4 | 5/16 | 1/8 | -0405 | | | | | 6040-0405 | | | | |
| 6 | 1/4 | 3/8 | 3/16 | -0406 | 1/2 | | 1/2 | | 6040-0406 | 1.26 | 32 | 2.28 | 58 |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 5/8 | 16 | 9/16 | | 6040-0407 | 1.14 | 29 | 2.17 | 55 |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 5/8 | 16 | 5/8 | 16 | 6040-0408 | 1.14 | 29 | 2.17 | 55 |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 11/16 | | 11/16 | | 6040-0409 | 1.14 | 29 | 2.20 | 56 |
| 6 | 1/4 | 3/4 | 1/2 | -0412 | 3/4 | 19 | 7/8 | 22 | 6040-0412 | 1.22 | 31 | 2.24 | 57 |
| 8 | 5/16 | 9/16 | 3/8 | -0509 | 11/16 | | 11/16 | | 6040-0509 | 1.06 | 27 | 2.13 | 54 |
| 10 | 3/8 | 7/16 | 1/4 | -0607 | 11/16 | | 9/16 | | 6040-0607 | 1.02 | 26 | 2.32 | 59 |
| 10 | 3/8 | 1/2 | 5/16 | -0608 | 11/16 | | 5/8 | 16 | 6040-0608 | 1.02 | 26 | 2.32 | 59 |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 11/16 | | 11/16 | | 6040-0609 | 0.87 | 22 | 2.17 | 55 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 7/8 | 22 | 7/8 | 22 | 6040-0612 | 1.14 | 29 | 2.44 | 62 |
| 10 | 3/8 | 7/8 | 5/8 | -0614 | 1 | | 1.1/16 | 27 | 6040-0614 | 1.30 | 33 | 2.60 | 66 |
| 12 | 1/2 | 9/16 | 3/8 | -0809 | 13/16 | | 11/16 | | 6040-0809 | 1.22 | 31 | 2.52 | 64 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 7/8 | 22 | 7/8 | 22 | 6040-0812 | 1.26 | 32 | 2.56 | 65 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 1 | | 1.1/16 | 27 | 6040-0814 | 1.54 | 39 | 2.80 | 71 |
| 12 | 1/2 | 1.1/16 | 3/4 | -0817 | 1.1/8 | | 1.1/4 | 32 | 6040-0817 | 1.50 | 38 | 2.80 | 71 |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 1 | | 1.1/16 | 27 | 6040-1014 | 1.50 | 38 | 2.91 | 74 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1.1/4 | 32 | 1.1/4 | 32 | 6040-1017 | 1.57 | 40 | 2.99 | 76 |
| 19 | 3/4 | 7/8 | 5/8 | -1214 | 1.1/16 | 27 | 1.1/16 | 27 | 6040-1214 | 1.50 | 38 | 2.95 | 75 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/4 | 32 | 1.1/4 | 32 | 6040-1217 | 1.54 | 39 | 2.99 | 76 |
| 19 | 3/4 | 1.3/16 | 7/8 | -1219 | 1.3/8 | | 1.3/8 | | 6040-1219 | 1.50 | 38 | 2.99 | 76 |
| 19 | 3/4 | 1.5/16 | 1 | -1221 | 1.1/2 | 38 | 1.1/2 | 38 | 6040-1221 | 1.65 | 42 | 3.11 | 79 |
| 22 | 7/8 | 1.5/16 | 1 | -1421 | 1.1/2 | 38 | 1.1/2 | 38 | 6040-1421 | 1.57 | 40 | 2.64 | 67 |
| 25 | 1 | 1.1/16 | 3/4 | -1617 | 1.3/8 | | 1.1/4 | 32 | 6040-1617 | 1.77 | 45 | 3.31 | 84 |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.1/2 | 38 | 1.1/2 | 38 | 6040-1621 | 1.81 | 46 | 3.35 | 85 |
| 25 | 1 | 1.5/8 | 1.1/4 | -1626 | 1.5/8 | 41 | 2 | 50 | 6040-1626 | 1.85 | 47 | 3.39 | 86 |
| 28 | 1.1/8 | 1.5/8 | 1.1/4 | -1826 | | | 2 | 50 | 6040-1826 | 2.13 | 54 | 3.39 | 86 |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | | | 2 | 50 | 6040-2026 | 2.05 | 52 | 4.17 | 106 |
| 35 | 1.3/8 | 1.7/8 | 1.1/2 | -2230 | 2 | | 2.3/8 | 60 | 6040-2230 | 1.77 | 45 | 3.07 | 78 |
| 38 | 1.1/2 | 1.7/8 | 1.1/2 | -2430 | 2.1/4 | 57 | 2.3/8 | 60 | 6040-2430 | 2.01 | 51 | 4.45 | 113 |
| 46 | 1.13/16 | 2.1/2 | 2 | -2940 | 2.3/4 | 70 | 2.7/8 | 73 | 6040-2940 | 2.13 | 54 | 3.90 | 99 |
| 51 | 2 | 2.1/2 | 2 | -3240 | 2.3/4 | 70 | 2.7/8 | 73 | 6040-3240 | 2.44 | 62 | 5.24 | 133 |

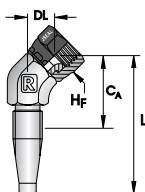
NOTE: * 6040-0207 is for use with TPGL2 and P000-02

NOTE: Hose Compatibility for the 6000 series can be found on page 355.

6000 SERIES FIELD ATTACHABLE INSERTS

JSEAL™ / JIC 6080

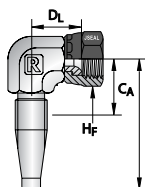
CONVEX SEAT



| HOSE SIZE | | | | | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | JSEAL™ / JIC FEMALE 45° ELBOW | | | | | |
|-----------|-------|--------|-------|-------|-----------|------------|-----------|------------------|-------------------------------|----|------|-----|------|----|
| DN | inch | inch | inch | inch | inch | HF-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | | | inch | mm | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 9/16 | | | 6080-0407 | 1.46 | 37 | 2.52 | 64 | 0.43 | 11 |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 5/8 | 16 | | 6080-0408 | 1.50 | 38 | 2.52 | 64 | 0.43 | 11 |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 11/16 | | | 6080-0409 | 1.57 | 40 | 2.60 | 66 | 0.51 | 13 |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 11/16 | | | 6080-0609 | 1.50 | 38 | 2.80 | 71 | 0.51 | 13 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 7/8 | 22 | | 6080-0612 | 1.57 | 40 | 2.87 | 73 | 0.59 | 15 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 7/8 | 22 | | 6080-0812 | 1.89 | 48 | 3.15 | 80 | 0.59 | 15 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 1.1/16 | 27 | | 6080-0814 | 1.93 | 49 | 3.23 | 82 | 0.67 | 17 |
| 12 | 1/2 | 1.1/16 | 3/4 | -0817 | 1.1/4 | 32 | | 6080-0817 | 1.93 | 49 | 3.23 | 82 | 0.67 | 17 |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 1.1/16 | 27 | | 6080-1014 | 1.93 | 49 | 3.35 | 85 | 0.63 | 16 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1.1/4 | 32 | | 6080-1017 | 1.93 | 49 | 3.35 | 85 | 0.67 | 17 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/4 | 32 | | 6080-1217 | 1.85 | 47 | 3.31 | 84 | 0.67 | 17 |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.1/2 | 38 | | 6080-1621 | 2.36 | 60 | 3.90 | 99 | 0.83 | 21 |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | 2 | 50 | | 6080-2026 | 2.64 | 67 | 4.72 | 120 | 0.98 | 25 |

JSEAL™ / JIC 6070

CONVEX SEAT



| HOSE SIZE | | | | | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | JSEAL™ / JIC FEMALE 90° ELBOW | | | | | |
|-----------|-------|--------|-------|-------|-----------|------------|-----------|------------------|-------------------------------|----|------|-----|------|----|
| DN | inch | inch | inch | inch | inch | HF-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | | | inch | mm | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 9/16 | | | 6070-0407 | 1.46 | 37 | 2.52 | 64 | 0.43 | 11 |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 5/8 | 16 | | 6070-0408 | 1.50 | 38 | 2.52 | 64 | 0.43 | 11 |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 11/16 | | | 6070-0409 | 1.57 | 40 | 2.60 | 66 | 0.51 | 13 |
| 10 | 3/8 | 7/16 | 1/4 | -0607 | 9/16 | | | 6070-0607 | 1.50 | 38 | 2.80 | 71 | 0.51 | 13 |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 11/16 | | | 6070-0609 | 1.57 | 40 | 2.87 | 73 | 0.59 | 15 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 7/8 | 22 | | 6070-0612 | 1.89 | 48 | 3.15 | 80 | 0.59 | 15 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 7/8 | 22 | | 6070-0812 | 1.93 | 49 | 3.23 | 82 | 0.67 | 17 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 1.1/16 | 27 | | 6070-0814 | 1.93 | 49 | 3.23 | 82 | 0.67 | 17 |
| 12 | 1/2 | 1.1/16 | 3/4 | -0817 | 1.1/4 | 32 | | 6070-0817 | 1.93 | 49 | 3.35 | 85 | 0.63 | 16 |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 1.1/16 | 27 | | 6070-1014 | 1.93 | 49 | 3.35 | 85 | 0.67 | 17 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1.1/4 | 32 | | 6070-1017 | 1.85 | 47 | 3.31 | 84 | 0.67 | 17 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/4 | 32 | | 6070-1217 | 2.36 | 60 | 3.90 | 99 | 0.83 | 21 |
| 19 | 3/4 | 1.3/16 | 7/8 | -1219 | 1.3/8 | | | 6070-1219 | 2.64 | 67 | 4.72 | 120 | 0.98 | 25 |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.1/2 | 38 | | 6070-1621 | 1.61 | 41 | 3.15 | 80 | 1.50 | 38 |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | 2 | 50 | | 6070-2026 | 2.36 | 60 | 4.49 | 114 | 1.89 | 48 |

NOTE: Hose Compatibility for the 6000 series can be found on page 355.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

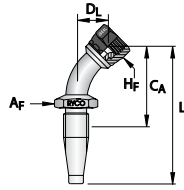
COUPLINGS

6000 SERIES FIELD ATTACHABLE INSERTS

JSEAL™ / JIC

6250

CONVEX SEAT



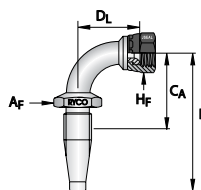
| DN | HOSE SIZE | | | DASH SIZE | BACK UP AF | | FEMALE HEX | | PART NO | JSEAL™ / JIC FEMALE 45° TUBE BEND | | L | | DL | |
|----|-----------|--------|-------|-----------|------------|----|------------|----|------------------|-----------------------------------|-----|------|-----|------|----|
| | inch | inch | inch | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 5 | 3/16 | 7/16 | 1/4 | -0307 | 5/8 | 16 | 9/16 | | 6250-0307 | 1.61 | 41 | 2.44 | 62 | 0.59 | 15 |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 5/8 | 16 | 9/16 | | 6250-0407 | 1.77 | 45 | 2.83 | 72 | 0.59 | 15 |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 5/8 | 16 | 5/8 | 16 | 6250-0408 | 1.77 | 45 | 2.83 | 72 | 0.59 | 15 |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 5/8 | 16 | 11/16 | | 6250-0409 | 1.77 | 45 | 2.83 | 72 | 0.59 | 15 |
| 8 | 5/16 | 9/16 | 3/8 | -0509 | 5/8 | 16 | 11/16 | | 6250-0509 | 1.85 | 47 | 2.95 | 75 | 0.55 | 14 |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 11/16 | | 11/16 | | 6250-0609 | 1.85 | 47 | 3.15 | 80 | 0.55 | 14 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 11/16 | | 7/8 | 22 | 6250-0612 | 1.89 | 48 | 3.19 | 81 | 0.67 | 17 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 13/16 | | 7/8 | 22 | 6250-0812 | 2.32 | 59 | 3.62 | 92 | 0.83 | 21 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 13/16 | | 1.1/16 | 27 | 6250-0814 | 2.40 | 61 | 3.70 | 94 | 0.87 | 22 |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 1 | | 1.1/16 | 27 | 6250-1014 | 2.68 | 68 | 4.09 | 104 | 0.94 | 24 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1 | | 1.1/4 | 32 | 6250-1017 | 2.68 | 68 | 4.09 | 104 | 0.94 | 24 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/16 | 27 | 1.1/4 | 32 | 6250-1217 | 3.27 | 83 | 4.72 | 120 | 1.10 | 28 |
| 19 | 3/4 | 1.3/16 | 7/8 | -1219 | | | 1.3/8 | | 6250-1219 | 2.99 | 76 | 4.49 | 114 | 0.94 | 24 |
| 19 | 3/4 | 1.5/16 | 1 | -1221 | 1.1/4 | 32 | 1.1/2 | 38 | 6250-1221 | 3.31 | 84 | 4.76 | 121 | 1.26 | 32 |
| 22 | 7/8 | 1.5/16 | 1 | -1421 | 1.3/8 | | 1.1/2 | 38 | 6250-1421 | 3.70 | 94 | 4.76 | 121 | 1.38 | 35 |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.3/8 | | 1.1/2 | 38 | 6250-1621 | 3.94 | 100 | 5.47 | 139 | 1.38 | 35 |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | 1.3/4 | | 2 | 50 | 6250-2026 | 4.69 | 119 | 6.81 | 173 | 1.54 | 39 |
| 35 | 1.3/8 | 1.7/8 | 1.1/2 | -2230 | 2 | | 2.3/8 | 60 | 6250-2230 | 5.16 | 131 | 6.46 | 164 | 1.97 | 50 |

NOTE: Hose Compatibility for the **6000** series can be found on page 355.

6000 SERIES FIELD ATTACHABLE INSERTS

| | |
|---------------------|-------------|
| JSEAL™ / JIC | 6240 |
|---------------------|-------------|

CONVEX SEAT



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | JSEAL™ / JIC FEMALE 90° TUBE BEND | | | | | | |
|-----------|-------|-----------|-----------|-----------|------------|----|------------|----|-----------------------------------|------|-----|------|-----|------|-----|
| DN | inch | inch | inch | | AF-SPANNER | | HF-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 5 | 3/16 | 7/16 | 1/4 | -0307 | 5/8 | 16 | 9/16 | | 6240-0307 | 1.30 | 33 | 2.09 | 53 | 1.26 | 32 |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 5/8 | 16 | 9/16 | | 6240-0407 | 1.50 | 38 | 2.56 | 65 | 1.06 | 27 |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 5/8 | 16 | 5/8 | 16 | 6240-0408 | 1.54 | 39 | 2.60 | 66 | 1.14 | 29 |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 5/8 | 16 | 11/16 | | 6240-0409 | 1.42 | 36 | 2.48 | 63 | 1.14 | 29 |
| 8 | 5/16 | 9/16 | 3/8 | -0509 | 5/8 | 16 | 11/16 | | 6240-0509 | 1.77 | 45 | 2.83 | 72 | 1.18 | 30 |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 11/16 | | 11/16 | | 6240-0609 | 1.73 | 44 | 3.03 | 77 | 0.98 | 25 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 11/16 | | 7/8 | 22 | 6240-0612 | 1.73 | 44 | 3.03 | 77 | 1.18 | 30 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 13/16 | | 7/8 | 22 | 6240-0812 | 2.13 | 54 | 3.43 | 87 | 1.50 | 38 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 13/16 | | 1.1/16 | 27 | 6240-0814 | 2.13 | 54 | 3.43 | 87 | 1.85 | 47 |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 1 | | 1.1/16 | 27 | 6240-1014 | 2.36 | 60 | 3.78 | 96 | 1.89 | 48 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1 | | 1.1/4 | 32 | 6240-1017 | 2.44 | 62 | 3.86 | 98 | 1.93 | 49 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/16 | 27 | 1.1/4 | 32 | 6240-1217 | 2.68 | 68 | 4.13 | 105 | 2.24 | 57 |
| 19 | 3/4 | 1.5/16 | 1 | -1221 | 1.1/4 | 32 | 1.1/2 | 38 | 6240-1221 | 2.76 | 70 | 4.21 | 107 | 2.80 | 71 |
| 22 | 7/8 | 1.5/16 | 1 | -1421 | 1.3/8 | | 1.1/2 | 38 | 6240-1421 | 3.03 | 77 | 4.09 | 104 | 2.83 | 72 |
| 25 | 1 | 1.1/16 | 3/4 | -1617 | 1.3/8 | | 1.1/4 | 32 | 6240-1617 | 3.03 | 77 | 4.57 | 116 | 2.28 | 58 |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.3/8 | | 1.1/2 | 38 | 6240-1621 | 3.31 | 84 | 4.84 | 123 | 2.83 | 72 |
| 28 | 1.1/8 | 1.5/8 | 1.1/4 | -1826 | 1.3/4 | | 2 | 50 | 6240-1826 | 4.06 | 103 | 5.31 | 135 | 3.19 | 81 |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | 1.3/4 | | 2 | 50 | 6240-2026 | 4.21 | 107 | 6.34 | 161 | 3.23 | 82 |
| 35 | 1.3/8 | 1.7/8 | 1.1/2 | -2230 | 2 | | 2.3/8 | 60 | 6240-2230 | 4.45 | 113 | 5.75 | 146 | 4.09 | 104 |

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

NOTE: Hose Compatibility for the **6000** series can be found on page 355.

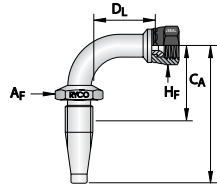
COUPLINGS

6000 SERIES FIELD ATTACHABLE INSERTS

JSEAL™ / JIC

6280

CONVEX SEAT

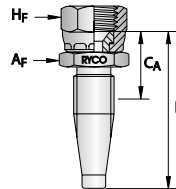


| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | PART NO | JSEAL™ / JIC FEMALE 90° LONG BEND | | L | | DL | | |
|-----------|-----------|-----------|-----------|------------|--------|------------|--------|---------|-----------------------------------|------|------|------|------|------|-----|
| | | | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm | |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 5/8 | 16 | 9/16 | | 6280-0407 | 1.54 | 39 | 2.60 | 66 | 1.85 | 47 |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 5/8 | 16 | 5/8 | 16 | 6280-0408 | 1.54 | 39 | 2.60 | 66 | 1.85 | 47 |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 5/8 | 16 | 11/16 | | 6280-0409 | 1.54 | 39 | 2.60 | 66 | 2.13 | 54 |
| 8 | 5/16 | 9/16 | 3/8 | -0509 | 5/8 | 16 | 11/16 | | 6280-0509 | 1.89 | 48 | 2.95 | 75 | 2.17 | 55 |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 11/16 | 18 | 11/16 | | 6280-0609 | 1.61 | 41 | 2.91 | 74 | 2.17 | 55 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 11/16 | 18 | 7/8 | 22 | 6280-0612 | 1.73 | 44 | 3.03 | 77 | 2.52 | 64 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 13/16 | | 7/8 | 22 | 6280-0812 | 2.09 | 53 | 3.39 | 86 | 2.44 | 62 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 13/16 | | 1.1/16 | 27 | 6280-0814 | 2.09 | 53 | 3.39 | 86 | 2.76 | 70 |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 1 | | 1.1/16 | 27 | 6280-1014 | 2.44 | 62 | 3.86 | 98 | 2.76 | 70 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1 | | 1.1/4 | 32 | 6280-1017 | 2.44 | 62 | 3.86 | 98 | 3.78 | 96 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/16 | 27 | 1.1/4 | 32 | 6280-1217 | 2.68 | 68 | 4.13 | 105 | 3.78 | 96 |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.3/8 | | 1.1/2 | 38 | 6280-1621 | 3.58 | 91 | 5.12 | 130 | 4.49 | 114 |
| 31 | 1.1/4 | 1.5/8 | 1.1/4 | -2026 | 1.3/4 | | 2 | 50 | 6280-2026 | 4.13 | 105 | 6.26 | 159 | 5.08 | 129 |
| 38 | 1.1/2 | 1.7/8 | 1.1/2 | -2430 | 2.1/4 | 57 | 2.3/8 | 60 | 6280-2430 | 4.76 | 121 | 7.24 | 184 | 5.55 | 141 |

JIS - METRIC

6680

JAPANESE INDUSTRIAL STANDARD (JIS)
METRIC THREAD FORM
60° CONCAVE SEAT



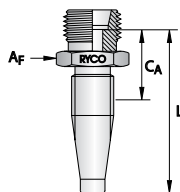
| HOSE SIZE | THRD SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | PART NO | METRIC FEMALE 60° CONCAVE SEAT (JIS) | | L | | |
|-----------|-----------|-----------|------------|-----|------------|-----|---------|--------------------------------------|------|------|------|----|
| | | | inch | mm | inch | mm | | inch | mm | inch | mm | |
| 10 | 3/8 | 18 | -0618 | 3/4 | 19 | 7/8 | 22 | 6680-0618 | 1.06 | 27 | 2.40 | 61 |

NOTE: Hose Compatibility for the 6000 series can be found on page 355.

6000 SERIES FIELD ATTACHABLE INSERTS

| | |
|---------------------|-------------|
| METRIC - DKL | 6650 |
|---------------------|-------------|

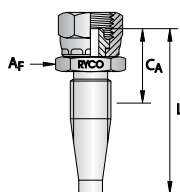
DKL
 METRIC (LIGHT)
 RYCO DKL FEMALE SWIVELS UP TO M26 SIZE
 HAVE MULTISEAL DKL 24° AND DKM 60°
 CONE.
 M30 AND OVER HAVE DKL
 24° CONE ONLY.



| HOSE SIZE | | | | | THRDS | TUBE | DASH | BACK UP | DKL MALE 24° CONE | | | | | |
|-----------|------|----|----|-------|--------|------|------|---------|-------------------|----|------|----|------|----|
| DN | inch | mm | mm | | | | | AF | PART NO | | L | | | |
| | | | | | | | | | CA | | L | | | |
| | | | | | | | | | inch | mm | inch | mm | | |
| 6 | 1/4 | 12 | 6 | -0412 | | | | 17 | 6650-0412 | | 1.22 | 31 | 2.24 | 57 |
| 6 | 1/4 | 14 | 8 | -0414 | | | | 17 | 6650-0414 | | 1.22 | 31 | 2.24 | 57 |
| 10 | 3/8 | 16 | 10 | -0616 | 3/4 | 19 | | | 6650-0616 | | 1.14 | 29 | 2.44 | 62 |
| 10 | 3/8 | 18 | 12 | -0618 | 3/4 | 19 | | | 6650-0618 | | 1.14 | 29 | 2.44 | 62 |
| 12 | 1/2 | 18 | 12 | -0818 | 7/8 | 22 | | | 6650-0818 | | 1.30 | 33 | 2.60 | 66 |
| 12 | 1/2 | 22 | 15 | -0822 | 15/16 | 24 | | | 6650-0822 | | 1.34 | 34 | 2.64 | 67 |
| 12 | 1/2 | 26 | 18 | -0826 | 1.1/16 | 27 | | | 6650-0826 | | 1.34 | 34 | 2.64 | 67 |
| 16 | 5/8 | 26 | 18 | -1026 | 1.1/16 | 27 | | | 6650-1026 | | 1.42 | 36 | 2.83 | 72 |
| 19 | 3/4 | 30 | 22 | -1230 | 1.1/4 | 32 | | | 6650-1230 | | 1.50 | 38 | 2.99 | 76 |
| 25 | 1 | 36 | 28 | -1636 | 1.5/8 | 41 | | | 6650-1636 | | 1.69 | 43 | 3.19 | 81 |

| | |
|---------------------|-------------|
| METRIC - DKL | 6600 |
|---------------------|-------------|

DKL
 METRIC (LIGHT)
 RYCO DKL FEMALE SWIVELS UP TO M26 SIZE
 HAVE MULTISEAL DKL 24° AND DKM 60°
 CONE.
 M30 AND OVER HAVE DKL
 24° CONE ONLY.



| HOSE SIZE | | | | | THRDS | TUBE | DASH | BACK UP | DKL FEMALE 24°/60° CONE | | | | | |
|-----------|------|----|----|-------|-------|------|------|---------|-------------------------|----|------|----|------|----|
| DN | inch | mm | mm | | | | | AF | PART NO | | L | | | |
| | | | | | | | | | CA | | L | | | |
| | | | | | | | | | inch | mm | inch | mm | | |
| 6 | 1/4 | 12 | 6 | -0412 | | | | 17 | 6600-0412 | | 1.34 | 34 | 2.36 | 60 |
| 6 | 1/4 | 14 | 8 | -0414 | | | | 17 | 6600-0414 | | 1.34 | 34 | 2.36 | 60 |
| 6 | 1/4 | 16 | 10 | -0416 | | | | 17 | 6600-0416 | | 1.38 | 35 | 2.44 | 62 |
| 10 | 3/8 | 16 | 10 | -0616 | 3/4 | 19 | | | 6600-0616 | | 1.26 | 32 | 2.56 | 65 |
| 10 | 3/8 | 18 | 12 | -0618 | 7/8 | 22 | | | 6600-0618 | | 1.34 | 34 | 2.64 | 67 |
| 12 | 1/2 | 22 | 15 | -0822 | | | | | 6600-0822 | | 1.50 | 38 | 2.80 | 71 |
| 12 | 1/2 | 26 | 18 | -0826 | | | | | 6600-0826 | | 1.54 | 39 | 2.83 | 72 |
| 16 | 5/8 | 26 | 18 | -1026 | | | | | 6600-1026 | | 1.69 | 43 | 3.11 | 79 |
| 19 | 3/4 | 30 | 22 | -1230 | | | | | 6600-1230 | | 1.69 | 43 | 3.15 | 80 |
| 25 | 1 | 36 | 28 | -1636 | 1.1/2 | 38 | | | 6600-1636 | | 1.85 | 47 | 3.39 | 86 |

NOTE: Hose Compatibility for the **6000** series can be found on page 355.

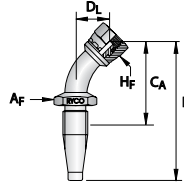
COUPLINGS

6000 SERIES FIELD ATTACHABLE INSERTS

METRIC - DKL

6660

DKL
METRIC (LIGHT)
RYCO DKL FEMALE SWIVELS UP TO M26 SIZE HAVE
MULTISEAL DKL 24° AND DKM 60° CONE.
M30 AND OVER HAVE DKL
24° CONE ONLY.

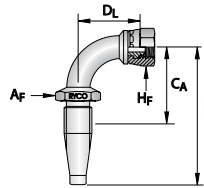


| DN | inch | mm | mm | DASH SIZE | BACK UP AF | | FEMALE HEX | | PART NO | CA | | L | | DL | |
|----|------|----|----|-----------|------------|----|------------|----|------------------|------|-----|------|-----|------|----|
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 12 | 6 | -0412 | | 17 | | 14 | 6660-0412 | 1.93 | 49 | 2.95 | 75 | 0.71 | 18 |
| 6 | 1/4 | 14 | 8 | -0414 | | 17 | | 17 | 6660-0414 | 1.89 | 48 | 2.95 | 75 | 0.67 | 17 |
| 10 | 3/8 | 16 | 10 | -0616 | 3/4 | 19 | 3/4 | 19 | 6660-0616 | 2.09 | 53 | 3.43 | 87 | 0.79 | 20 |
| 10 | 3/8 | 18 | 12 | -0618 | 3/4 | 19 | 7/8 | 22 | 6660-0618 | 2.09 | 53 | 3.43 | 87 | 0.79 | 20 |
| 12 | 1/2 | 22 | 15 | -0822 | 7/8 | 22 | 1.1/16 | 27 | 6660-0822 | 2.56 | 65 | 3.86 | 98 | 0.87 | 22 |
| 12 | 1/2 | 26 | 18 | -0826 | | | 1.1/4 | 32 | 6660-0826 | 2.60 | 66 | 3.90 | 99 | 0.91 | 23 |
| 16 | 5/8 | 26 | 18 | -1026 | 1.1/16 | 27 | 1.1/4 | 32 | 6660-1026 | 2.83 | 72 | 4.25 | 108 | 1.10 | 28 |
| 19 | 3/4 | 30 | 22 | -1230 | | 28 | | 36 | 6660-1230 | 3.27 | 83 | 4.72 | 120 | 1.18 | 30 |
| 25 | 1 | 36 | 28 | -1636 | 1.3/8 | 35 | 1.5/8 | 41 | 6660-1636 | 4.02 | 102 | 5.55 | 141 | 1.65 | 42 |

METRIC - DKL

6670

DKL
METRIC (LIGHT)
RYCO DKL FEMALE SWIVELS UP TO M26 SIZE HAVE
MULTISEAL DKL 24° AND DKM 60° CONE.
M30 AND OVER HAVE DKL
24° CONE ONLY.



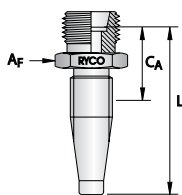
| DN | inch | mm | mm | DASH SIZE | BACK UP AF | | FEMALE HEX | | PART NO | CA | | L | | DL | |
|----|------|----|----|-----------|------------|----|------------|----|------------------|------|----|------|-----|------|----|
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 12 | 6 | -0412 | | 17 | | 14 | 6670-0412 | 1.54 | 39 | 2.60 | 66 | 1.22 | 31 |
| 6 | 1/4 | 14 | 8 | -0414 | | 17 | | 17 | 6670-0414 | 1.54 | 39 | 2.60 | 66 | 1.22 | 31 |
| 10 | 3/8 | 16 | 10 | -0616 | 3/4 | 19 | 3/4 | 19 | 6670-0616 | 1.73 | 44 | 3.03 | 77 | 1.38 | 35 |
| 10 | 3/8 | 18 | 12 | -0618 | 3/4 | 19 | 7/8 | 22 | 6670-0618 | 1.73 | 44 | 3.03 | 77 | 1.38 | 35 |
| 12 | 1/2 | 22 | 15 | -0822 | 7/8 | 22 | 1.1/16 | 27 | 6670-0822 | 2.13 | 54 | 3.43 | 87 | 1.73 | 44 |
| 12 | 1/2 | 26 | 18 | -0826 | | | 1.1/4 | 32 | 6670-0826 | 2.36 | 60 | 3.66 | 93 | 2.09 | 53 |
| 16 | 5/8 | 26 | 18 | -1026 | 1.1/16 | 27 | 1.1/4 | 32 | 6670-1026 | 2.44 | 62 | 3.86 | 98 | 2.09 | 53 |
| 19 | 3/4 | 30 | 22 | -1230 | | | | 36 | 6670-1230 | 2.72 | 69 | 4.17 | 106 | 2.52 | 64 |
| 25 | 1 | 36 | 28 | -1636 | | | 1.5/8 | 41 | 6670-1636 | 3.35 | 85 | 4.88 | 124 | 2.83 | 72 |

NOTE: Hose Compatibility for the 6000 series can be found on page 355.

6000 SERIES FIELD ATTACHABLE INSERTS

| | |
|---------------------|-------------|
| METRIC - DKS | 6630 |
|---------------------|-------------|

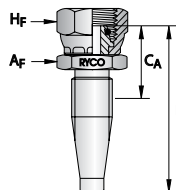
DKS
METRIC O RING (HEAVY)
24° CONE



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | DKS MALE 24° CONE | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|------------|----|-------------------|------|----|------|----|
| DN | inch | mm | mm | | Af-SPANNER | | Hf-SPANNER | | PART NO | CA | | L | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 16 | 8 | -0416 | | 17 | | 17 | 6630-0416 | 1.30 | 33 | 2.32 | 59 |
| 6 | 1/4 | 18 | 10 | -0418 | 3/4 | 19 | 3/4 | 19 | 6630-0418 | 1.30 | 33 | 2.32 | 59 |
| 10 | 3/8 | 20 | 12 | -0620 | 7/8 | 22 | 7/8 | 22 | 6630-0620 | 1.22 | 31 | 2.52 | 64 |
| 10 | 3/8 | 22 | 14 | -0622 | 15/16 | 24 | 15/16 | 24 | 6630-0622 | 1.30 | 33 | 2.60 | 66 |
| 12 | 1/2 | 24 | 16 | -0824 | 1.1/16 | 27 | 1.1/16 | 27 | 6630-0824 | 1.42 | 36 | 2.72 | 69 |
| 19 | 3/4 | 30 | 20 | -1230 | 1.1/4 | 32 | 1.1/4 | 32 | 6630-1230 | 1.57 | 40 | 3.07 | 78 |
| 19 | 3/4 | 36 | 25 | -1236 | 1.5/8 | 41 | 1.5/8 | 41 | 6630-1236 | 1.73 | 44 | 3.19 | 81 |
| 25 | 1 | 42 | 30 | | | 46 | | 46 | 6630-1642 | 1.93 | 49 | 3.43 | 87 |

| | |
|----------------------|-------------|
| METRIC - DKOS | 6711 |
|----------------------|-------------|

DKOS
METRIC O RING (HEAVY)
24° CONE



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | DKOS FEMALE 24° CONE | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|------------|----|----------------------|------|----|------|----|
| DN | inch | mm | mm | | Af-SPANNER | | Hf-SPANNER | | PART NO | CA | | L | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 16 | 8 | -0416 | | 17 | 3/4 | 19 | 6711-0416 | 1.34 | 34 | 2.40 | 61 |
| 6 | 1/4 | 18 | 10 | -0418 | | 17 | 7/8 | 22 | 6711-0418 | 1.34 | 34 | 2.40 | 61 |
| 10 | 3/8 | 20 | 12 | -0620 | 3/4 | 19 | 15/16 | 24 | 6711-0620 | 1.26 | 32 | 2.60 | 66 |
| 10 | 3/8 | 22 | 14 | -0622 | | 20 | 1.1/16 | 27 | 6711-0622 | 1.42 | 36 | 2.76 | 70 |
| 12 | 1/2 | 24 | 16 | -0824 | 7/8 | 22 | 1.3/16 | 30 | 6711-0824 | 1.61 | 41 | 2.87 | 73 |
| 19 | 3/4 | 30 | 20 | -1230 | | 28 | | 36 | 6711-1230 | 1.73 | 44 | 3.19 | 81 |
| 19 | 3/4 | 36 | 25 | -1236 | 1.3/8 | 35 | 1.5/8 | 41 | 6711-1236 | 1.89 | 48 | 3.35 | 85 |

NOTE: Hose Compatibility for the **6000** series can be found on page 355.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

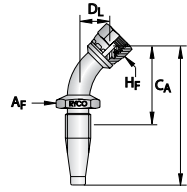
COUPLINGS

6000 SERIES FIELD ATTACHABLE INSERTS

METRIC - DKOS

6720

DKOS
METRIC O RING (HEAVY)
24° CONE

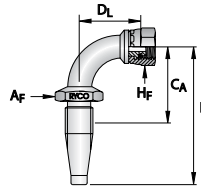


| HOSE SIZE | | | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | DKOS FEMALE 24° CONE 45° TUBE BEND | | | | | |
|-----------|------|----|----|-----------|------------|-----------|------------|----|------------------|------------------------------------|----|------|-----|------|----|
| DN | inch | mm | mm | | AF-SPANNER | | HF-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 16 | 8 | -0416 | | 17 | 3/4 | 19 | 6720-0416 | 1.89 | 48 | 2.95 | 75 | 0.71 | 18 |
| 6 | 1/4 | 18 | 10 | -0418 | | 17 | 7/8 | 22 | 6720-0418 | 1.85 | 47 | 2.91 | 74 | 0.67 | 17 |
| 10 | 3/8 | 20 | 12 | -0620 | 3/4 | 19 | 15/16 | 24 | 6720-0620 | 2.17 | 55 | 3.46 | 88 | 0.79 | 20 |
| 10 | 3/8 | 22 | 14 | -0622 | | | 1.1/16 | 27 | 6720-0622 | 2.20 | 56 | 3.50 | 89 | 0.75 | 19 |
| 12 | 1/2 | 24 | 16 | -0824 | 7/8 | 22 | 1.3/16 | 30 | 6720-0824 | 2.64 | 67 | 3.94 | 100 | 0.94 | 24 |
| 19 | 3/4 | 30 | 20 | -1230 | | 28 | | 36 | 6720-1230 | 3.43 | 87 | 4.88 | 124 | 1.38 | 35 |
| 19 | 3/4 | 36 | 25 | -1236 | 1.3/8 | 35 | 1.5/8 | 41 | 6720-1236 | 3.62 | 92 | 5.08 | 129 | 1.38 | 35 |

METRIC - DKOS

6730

DKOS
METRIC O RING (HEAVY)
24° CONE



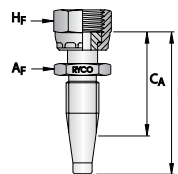
| HOSE SIZE | | | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | DKOS FEMALE 24° CONE 90° TUBE BEND | | | | | |
|-----------|------|----|----|-----------|------------|-----------|------------|----|------------------|------------------------------------|----|------|-----|------|----|
| DN | inch | mm | mm | | AF-SPANNER | | HF-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 16 | 8 | -0416 | | 17 | 3/4 | 19 | 6730-0416 | 1.54 | 39 | 2.60 | 66 | 1.22 | 31 |
| 6 | 1/4 | 18 | 10 | -0418 | | 17 | 7/8 | 22 | 6730-0418 | 1.54 | 39 | 2.60 | 66 | 1.18 | 30 |
| 10 | 3/8 | 20 | 12 | -0620 | 3/4 | 19 | 15/16 | 24 | 6730-0620 | 1.77 | 45 | 3.07 | 78 | 1.42 | 36 |
| 10 | 3/8 | 22 | 14 | -0622 | | | 1.1/16 | 27 | 6730-0622 | 1.77 | 45 | 3.07 | 78 | 1.46 | 37 |
| 12 | 1/2 | 24 | 16 | -0824 | 7/8 | 22 | 1.3/16 | 30 | 6730-0824 | 2.13 | 54 | 3.43 | 87 | 1.89 | 48 |
| 19 | 3/4 | 30 | 20 | -1230 | | 28 | | 36 | 6730-1230 | 2.68 | 68 | 4.13 | 105 | 2.64 | 67 |
| 19 | 3/4 | 36 | 25 | -1236 | 1.3/8 | 35 | 1.5/8 | 41 | 6730-1236 | 2.68 | 68 | 4.13 | 105 | 2.64 | 67 |

NOTE: Hose Compatibility for the **6000** series can be found on page 355.

6000 SERIES FIELD ATTACHABLE INSERTS

| | |
|-------------|-------------|
| ORFS | 6800 |
|-------------|-------------|

**O RING
FACE SEAL**



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | ORFS FEMALE | | | | | |
|-----------|-------|-----------|-----------|-----------|------------|----|------------|----|------------------|------|----|------|-----|--|
| DN | inch | inch | inch | | AF-SPANNER | | HF-SPANNER | | PART NO | CA | | L | | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | |
| 5 | 3/16 | 9/16 | 1/4 | -0309 | 5/8 | 16 | 11/16 | | 6800-0309 | 1.26 | 32 | 2.05 | 52 | |
| 6 | 1/4 | 9/16 | 1/4 | -0409 | 5/8 | 16 | 11/16 | | 6800-0409 | 1.50 | 38 | 2.52 | 64 | |
| 6 | 1/4 | 11/16 | 3/8 | -0411 | 11/16 | | 7/8 | 22 | 6800-0411 | 1.57 | 40 | 2.60 | 66 | |
| 8 | 5/16 | 11/16 | 3/8 | -0511 | 5/8 | 16 | 7/8 | 22 | 6800-0511 | 1.46 | 37 | 2.56 | 65 | |
| 10 | 3/8 | 11/16 | 3/8 | -0611 | 11/16 | | 7/8 | 22 | 6800-0611 | 1.42 | 36 | 2.76 | 70 | |
| 10 | 3/8 | 13/16 | 1/2 | -0613 | 13/16 | | 15/16 | 24 | 6800-0613 | 1.57 | 40 | 2.87 | 73 | |
| 12 | 1/2 | 13/16 | 1/2 | -0813 | 13/16 | | 15/16 | 24 | 6800-0813 | 1.61 | 41 | 2.91 | 74 | |
| 12 | 1/2 | 1 | 5/8 | -0816 | 15/16 | 24 | 1.1/8 | | 6800-0816 | 1.85 | 47 | 3.11 | 79 | |
| 16 | 5/8 | 1 | 5/8 | -1016 | 1.1/8 | | 1.1/8 | | 6800-1016 | 1.93 | 49 | 3.35 | 85 | |
| 16 | 5/8 | 1.3/16 | 3/4 | -1019 | 1.1/8 | | 1.3/8 | | 6800-1019 | 2.05 | 52 | 3.46 | 88 | |
| 19 | 3/4 | 1.3/16 | 3/4 | -1219 | 1.1/8 | | 1.3/8 | | 6800-1219 | 1.97 | 50 | 3.46 | 88 | |
| 19 | 3/4 | 1.7/16 | 1 | -1223 | 1.3/8 | | 1.5/8 | 41 | 6800-1223 | 2.40 | 61 | 3.86 | 98 | |
| 22 | 7/8 | 1.7/16 | 1 | -1423 | 1.3/8 | | 1.5/8 | 41 | 6800-1423 | 2.32 | 59 | 3.39 | 86 | |
| 25 | 1 | 1.7/16 | 1 | -1623 | 1.3/8 | | 1.5/8 | 41 | 6800-1623 | 2.56 | 65 | 4.09 | 104 | |
| 31 | 1.1/4 | 1.11/16 | 1.1/4 | -2027 | 1.43/50 | | 2 | 50 | 6800-2027 | 2.83 | 72 | 4.96 | 126 | |

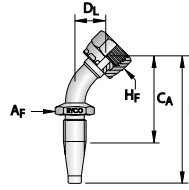
NOTE: Hose Compatibility for the **6000** series can be found on page 355.

COUPLINGS

6000 SERIES FIELD ATTACHABLE INSERTS

| | |
|-------------|-------------|
| ORFS | 6810 |
|-------------|-------------|

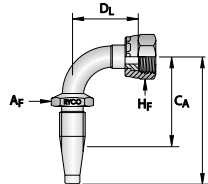
O RING
FACE SEAL



| HOSE SIZE | | | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | ORFS FEMALE 45° TUBE BEND | | | | | |
|-----------|------|--------|------|-----------|------------|-----------|------------|----|------------------|------|---------------------------|------|-----|------|----|--|
| DN | inch | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | CA | | L | | DL | | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm | |
| 5 | 3/16 | 9/16 | 1/4 | -0309 | 5/8 | 16 | 11/16 | | 6810-0309 | 1.81 | 46 | 2.60 | 66 | 0.71 | 18 | |
| 6 | 1/4 | 9/16 | 1/4 | -0409 | 5/8 | 16 | 11/16 | | 6810-0409 | 2.01 | 51 | 3.07 | 78 | 0.71 | 18 | |
| 6 | 1/4 | 11/16 | 3/8 | -0411 | 5/8 | 16 | 7/8 | 22 | 6810-0411 | 2.01 | 51 | 3.07 | 78 | 0.75 | 19 | |
| 8 | 5/16 | 11/16 | 3/8 | -0511 | 5/8 | 16 | 7/8 | 22 | 6810-0511 | 2.13 | 54 | 3.23 | 82 | 0.79 | 20 | |
| 10 | 3/8 | 11/16 | 3/8 | -0611 | 11/16 | | 7/8 | 22 | 6810-0611 | 2.09 | 53 | 3.43 | 87 | 0.79 | 20 | |
| 10 | 3/8 | 13/16 | 1/2 | -0613 | 3/4 | 19 | 15/16 | 24 | 6810-0613 | 1.93 | 49 | 3.23 | 82 | 0.67 | 17 | |
| 12 | 1/2 | 13/16 | 1/2 | -0813 | 13/16 | | 15/16 | 24 | 6810-0813 | 2.36 | 60 | 3.66 | 93 | 0.75 | 19 | |
| 12 | 1/2 | 1 | 5/8 | -0816 | 15/16 | 24 | 1.1/8 | | 6810-0816 | 2.36 | 60 | 3.66 | 93 | 0.75 | 19 | |
| 16 | 5/8 | 1 | 5/8 | -1016 | 1 | | 1.1/8 | | 6810-1016 | 2.87 | 73 | 4.29 | 109 | 0.79 | 20 | |
| 16 | 5/8 | 1.3/16 | 3/4 | -1019 | 1.1/8 | | 1.3/8 | | 6810-1019 | 2.87 | 73 | 4.29 | 109 | 0.94 | 24 | |
| 19 | 3/4 | 1.3/16 | 3/4 | -1219 | 1.1/8 | | 1.3/8 | | 6810-1219 | 2.99 | 76 | 4.49 | 114 | 1.14 | 29 | |
| 19 | 3/4 | 1.7/16 | 1 | -1223 | 1.3/8 | | 1.5/8 | 41 | 6810-1223 | 3.03 | 77 | 4.53 | 115 | 1.02 | 26 | |
| 22 | 7/8 | 1.7/16 | 1 | -1423 | 1.3/8 | | 1.5/8 | 41 | 6810-1423 | 3.74 | 95 | 4.80 | 122 | 1.34 | 34 | |
| 25 | 1 | 1.7/16 | 1 | -1623 | 1.3/8 | | 1.5/8 | 41 | 6810-1623 | 3.98 | 101 | 5.51 | 140 | 1.34 | 34 | |

| | |
|-------------|-------------|
| ORFS | 6820 |
|-------------|-------------|

O RING
FACE SEAL

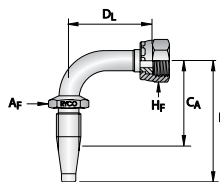


| HOSE SIZE | | | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | | FEMALE HEX | | ORFS FEMALE 90° TUBE BEND | | | | | |
|-----------|-------|---------|-------|-----------|------------|-----------|------------|----|------------------|------|---------------------------|------|-----|------|----|--|
| DN | inch | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | CA | | L | | DL | | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm | |
| 5 | 3/16 | 9/16 | 1/4 | -0309 | 5/8 | 16 | 11/16 | | 6820-0309 | 1.38 | 35 | 2.17 | 55 | 1.26 | 32 | |
| 6 | 1/4 | 9/16 | 1/4 | -0409 | 5/8 | 16 | 11/16 | | 6820-0409 | 1.57 | 40 | 2.64 | 67 | 1.26 | 32 | |
| 6 | 1/4 | 11/16 | 3/8 | -0411 | 5/8 | 16 | 7/8 | 22 | 6820-0411 | 1.57 | 40 | 2.64 | 67 | 1.50 | 38 | |
| 8 | 5/16 | 11/16 | 3/8 | -0511 | 5/8 | 16 | 7/8 | 22 | 6820-0511 | 1.73 | 44 | 2.80 | 71 | 1.46 | 37 | |
| 10 | 3/8 | 11/16 | 3/8 | -0611 | 11/16 | | 7/8 | 22 | 6820-0611 | 1.69 | 43 | 2.99 | 76 | 1.50 | 38 | |
| 10 | 3/8 | 13/16 | 1/2 | -0613 | 3/4 | 19 | 15/16 | 24 | 6820-0613 | 1.69 | 43 | 2.99 | 76 | 1.61 | 41 | |
| 12 | 1/2 | 13/16 | 1/2 | -0813 | 13/16 | | 15/16 | 24 | 6820-0813 | 2.05 | 52 | 3.35 | 85 | 1.61 | 41 | |
| 12 | 1/2 | 1 | 5/8 | -0816 | 15/16 | 24 | 1.1/8 | | 6820-0816 | 2.17 | 55 | 3.46 | 88 | 1.85 | 47 | |
| 16 | 5/8 | 1 | 5/8 | -1016 | 1 | | 1.1/8 | | 6820-1016 | 2.40 | 61 | 3.82 | 97 | 1.85 | 47 | |
| 16 | 5/8 | 1.3/16 | 3/4 | -1019 | 1.1/8 | | 1.3/8 | | 6820-1019 | 2.52 | 64 | 3.94 | 100 | 2.28 | 58 | |
| 19 | 3/4 | 1.3/16 | 3/4 | -1219 | 1.1/8 | | 1.3/8 | | 6820-1219 | 2.60 | 66 | 4.06 | 103 | 2.32 | 59 | |
| 19 | 3/4 | 1.7/16 | 1 | -1223 | 1.3/8 | | 1.5/8 | 41 | 6820-1223 | 2.80 | 71 | 4.25 | 108 | 2.80 | 71 | |
| 22 | 7/8 | 1.7/16 | 1 | -1423 | 1.3/8 | | 1.5/8 | 41 | 6820-1423 | 3.11 | 79 | 4.17 | 106 | 2.80 | 71 | |
| 25 | 1 | 1.7/16 | 1 | -1623 | 1.3/8 | | 1.5/8 | 41 | 6820-1623 | 3.35 | 85 | 4.88 | 124 | 2.80 | 71 | |
| 31 | 1.1/4 | 1.11/16 | 1.1/4 | -2027 | 1.3/4 | | 2 | 50 | 6820-2027 | 4.17 | 106 | 6.30 | 160 | 3.54 | 90 | |

6000 SERIES FIELD ATTACHABLE INSERTS

| | |
|-------------|-------------|
| ORFS | 6830 |
|-------------|-------------|

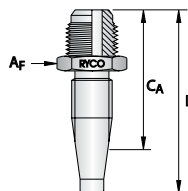
**O RING
FACE SEAL**



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | ORFS FEMALE 90° LONG BEND | | | | | | |
|-----------|-------|-----------|-----------|-----------|------------|----|------------|----|---------------------------|------|-----|------|-----|------|-----|
| DN | inch | inch | inch | | Af-SPANNER | | Hf-SPANNER | | PART NO | CA | | L | | DL | |
| | inch | inch | inch | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 5 | 3/16 | 9/16 | 1/4 | -0309 | 5/8 | 16 | 11/16 | | 6830-0309 | 1.38 | 35 | 2.20 | 56 | 1.85 | 47 |
| 6 | 1/4 | 9/16 | 1/4 | -0409 | 5/8 | 16 | 11/16 | | 6830-0409 | 1.61 | 41 | 2.64 | 67 | 1.85 | 47 |
| 6 | 1/4 | 11/16 | 3/8 | -0411 | 5/8 | 16 | 7/8 | 22 | 6830-0411 | 1.57 | 40 | 2.64 | 67 | 2.13 | 54 |
| 8 | 5/16 | 11/16 | 3/8 | -0511 | 5/8 | 16 | 7/8 | 22 | 6830-0511 | 1.61 | 41 | 2.72 | 69 | 2.13 | 54 |
| 10 | 3/8 | 11/16 | 3/8 | -0611 | 11/16 | | 7/8 | 22 | 6830-0611 | 1.61 | 41 | 2.91 | 74 | 2.13 | 54 |
| 10 | 3/8 | 13/16 | 1/2 | -0613 | 3/4 | 19 | 15/16 | 24 | 6830-0613 | 1.61 | 41 | 2.91 | 74 | 2.52 | 64 |
| 12 | 1/2 | 13/16 | 1/2 | -0813 | 13/16 | | 15/16 | 24 | 6830-0813 | 2.09 | 53 | 3.39 | 86 | 2.56 | 65 |
| 12 | 1/2 | 1 | 5/8 | -0816 | 15/16 | 24 | 1.1/8 | | 6830-0816 | 2.28 | 58 | 3.58 | 91 | 2.76 | 70 |
| 16 | 5/8 | 1 | 5/8 | -1016 | 1 | | 1.1/8 | | 6830-1016 | 2.56 | 65 | 3.98 | 101 | 2.76 | 70 |
| 16 | 5/8 | 1.3/16 | 3/4 | -1019 | 1.1/8 | | 1.3/8 | | 6830-1019 | 2.48 | 63 | 3.90 | 99 | 3.78 | 96 |
| 19 | 3/4 | 1.3/16 | 3/4 | -1219 | 1.1/8 | | 1.3/8 | | 6830-1219 | 2.80 | 71 | 4.25 | 108 | 3.78 | 96 |
| 19 | 3/4 | 1.7/16 | 1 | -1223 | 1.3/8 | | 1.5/8 | 41 | 6830-1223 | 2.76 | 70 | 4.21 | 107 | 4.49 | 114 |
| 22 | 7/8 | 1.7/16 | 1 | -1423 | 1.3/8 | | 1.5/8 | 41 | 6830-1423 | 3.43 | 87 | 4.49 | 114 | 4.45 | 113 |
| 25 | 1 | 1.7/16 | 1 | -1623 | 1.3/8 | | 1.5/8 | 41 | 6830-1623 | 3.66 | 93 | 5.20 | 132 | 4.45 | 113 |
| 31 | 1.1/4 | 1.11/16 | 1.1/4 | -2027 | 1.3/4 | | 2 | 50 | 6830-2027 | 4.17 | 106 | 6.30 | 160 | 5.08 | 129 |

| | |
|------------|-------------|
| SAE | 6530 |
|------------|-------------|

45° FLARE



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | SAE MALE | | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|------------------|------|----|------|----|--|
| DN | inch | inch | inch | | Af-SPANNER | | PART NO | CA | | L | | |
| | inch | inch | inch | | inch | mm | | inch | mm | inch | mm | |
| 6 | 1/4 | 5/8 | 3/8 | -0410 | 11/16 | | 6530-0410 | 1.46 | 37 | 2.48 | 63 | |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 5/8 | 16 | 6530-0510 | 1.34 | 34 | 2.40 | 61 | |
| 10 | 3/8 | 1/2 | 5/16 | -0608 | 5/8 | 16 | 6530-0608 | 1.26 | 32 | 2.56 | 65 | |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 3/4 | 19 | 6530-0610 | 1.30 | 33 | 2.60 | 66 | |

NOTE: Hose Compatibility for the **6000** series can be found on page 355.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

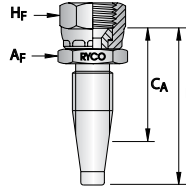
TECHNICAL

COUPLINGS

6000 SERIES FIELD ATTACHABLE INSERTS

| | |
|-----|------|
| SAE | 6540 |
|-----|------|

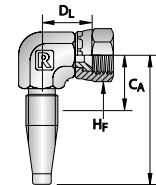
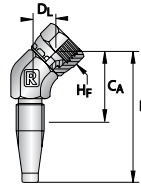
45° FLARE



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | SAE FEMALE | | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|------------|----|------------------|------|----|------|----|--|
| DN | inch | inch | inch | | AF-SPANNER | | HF-SPANNER | | PART NO | CA | | L | | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | |
| 5 | 3/16 | 7/16 | 1/4 | -0307 | 5/8 | 16 | 9/16 | | 6540-0307 | 0.91 | 23 | 1.73 | 44 | |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 11/16 | | 9/16 | | 6540-0407 | 1.14 | 29 | 2.17 | 55 | |
| 6 | 1/4 | 1/2 | 5/16 | -0408 | 11/16 | | 5/8 | 16 | 6540-0408 | 1.14 | 29 | 2.17 | 55 | |
| 6 | 1/4 | 5/8 | 3/8 | -0410 | 11/16 | | 3/4 | 19 | 6540-0410 | 1.14 | 29 | 2.20 | 56 | |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 11/16 | | 3/4 | 19 | 6540-0510 | 1.06 | 27 | 2.13 | 54 | |
| 10 | 3/8 | 1/2 | 5/16 | -0608 | 11/16 | | 5/8 | 16 | 6540-0608 | 1.02 | 26 | 2.32 | 59 | |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 3/4 | 19 | 3/4 | 19 | 6540-0610 | 1.02 | 26 | 2.36 | 60 | |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 7/8 | 22 | 7/8 | 22 | 6540-0612 | 1.14 | 29 | 2.44 | 62 | |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 7/8 | 22 | 7/8 | 22 | 6540-0812 | 1.26 | 32 | 2.56 | 65 | |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 1 | | 1.1/16 | 27 | 6540-0814 | 1.30 | 33 | 2.60 | 66 | |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1.1/8 | | 1.1/4 | 32 | 6540-1017 | 1.50 | 38 | 2.91 | 74 | |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/8 | | 1.1/4 | 32 | 6540-1217 | 1.46 | 37 | 2.91 | 74 | |

| | | |
|-----|------|------|
| SAE | 6580 | 6570 |
|-----|------|------|

45° FLARE



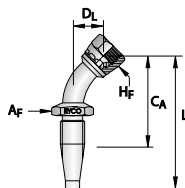
| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | FEMALE HEX | | SAE FEMALE 45° ELBOW | | | | | SAE FEMALE 90° ELBOW | | | | | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|----------------------|------|----|------|----|----------------------|----|------------------|------|----|------|----|------|----|
| DN | inch | inch | inch | | HF-SPANNER | | PART NO | CA | | L | | DL | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | | inch | mm | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 10 | 3/8 | 1/2 | 5/16 | -0608 | 5/8 | 16 | 6580-0608 | 1.54 | 39 | 2.83 | 72 | 0.55 | 14 | 6570-0608 | 0.98 | 25 | 2.28 | 58 | 0.91 | 23 |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 3/4 | 19 | 6580-0610 | 1.54 | 39 | 2.87 | 73 | 0.59 | 15 | 6570-0610 | 0.98 | 25 | 2.28 | 58 | 0.91 | 23 |

NOTE: Hose Compatibility for the 6000 series can be found on page 355.

6000 SERIES FIELD ATTACHABLE INSERTS

| | |
|------------|-------------|
| SAE | 6550 |
|------------|-------------|

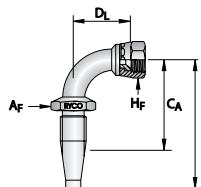
45° FLARE



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | FEMALE HEX | SAE FEMALE 45° TUBE BEND | | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|------------|--------------------------|------|------------|------------------|---------|------|------|------|------|------|
| | | | | | | Af-SPANNER | | Hf-SPANNER | | PART NO | CA | | L | | DL |
| DN | inch | inch | inch | | inch | mm | inch | mm | | | inch | mm | inch | mm | inch |
| 5 | 3/16 | 7/16 | 1/4 | -0307 | 5/8 | 16 | 9/16 | | 6550-0307 | 1.57 | 40 | 2.36 | 60 | 0.59 | 15 |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 5/8 | 16 | 3/4 | 19 | 6550-0510 | 2.01 | 51 | 3.07 | 78 | 0.67 | 17 |
| 10 | 3/8 | 1/2 | 5/16 | -0608 | 11/16 | | 5/8 | 16 | 6550-0608 | 1.89 | 48 | 3.23 | 82 | 0.59 | 15 |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 11/16 | | 3/4 | 19 | 6550-0610 | 1.97 | 50 | 3.27 | 83 | 0.67 | 17 |

| | |
|------------|-------------|
| SAE | 6560 |
|------------|-------------|

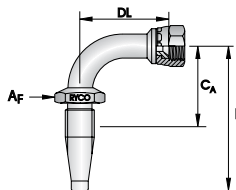
45° FLARE



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | FEMALE HEX | SAE FEMALE 90° TUBE BEND | | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|------------|--------------------------|------|------------|------------------|---------|------|------|------|------|------|
| | | | | | | Af-SPANNER | | Hf-SPANNER | | PART NO | CA | | L | | DL |
| DN | inch | inch | inch | | inch | mm | inch | mm | | | inch | mm | inch | mm | inch |
| 5 | 3/16 | 7/16 | 1/4 | -0307 | 5/8 | 16 | 9/16 | | 6560-0307 | 1.30 | 33 | 2.13 | 54 | 1.14 | 29 |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 5/8 | 16 | 3/4 | 19 | 6560-0510 | 1.73 | 44 | 2.80 | 71 | 1.30 | 33 |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 11/16 | | 3/4 | 19 | 6560-0610 | 1.69 | 43 | 2.99 | 76 | 1.30 | 33 |

| | |
|------------|-------------|
| SAE | 6563 |
|------------|-------------|

45° FLARE



| HOSE SIZE | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | FEMALE HEX | SAE FEMALE 90° LONG TUBE BEND | | | | | | | | | |
|-----------|-----------|-----------|-----------|------------|------------|-------------------------------|------|------------|------------------|---------|------|------|------|------|------|
| | | | | | | Af-SPANNER | | Hf-SPANNER | | PART NO | CA | | L | | DL |
| DN | inch | inch | inch | | inch | mm | inch | mm | | | inch | mm | inch | mm | inch |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 11/16 | | 3/4 | 19 | 6563-0610 | 1.61 | 41 | 2.91 | 74 | 2.17 | 55 |

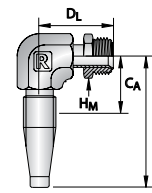
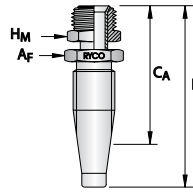
NOTE: Hose Compatibility for the 6000 series can be found on page 355.

COUPLINGS

6000 SERIES FIELD ATTACHABLE INSERTS

| | | |
|-----|------|------|
| SAE | 6740 | 6780 |
|-----|------|------|

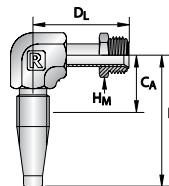
INVERTED
MALE FLARE



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | MALE HEX | | SAE INVERTED MALE FLARE | | | | SAE INVERTED MALE FLARE 90° ELBOW | | | | | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|------------|----|-------------------------|------|----|------|-----------------------------------|-----------|------|----|------|----|------|----|--|
| DN | inch | inch | inch | | AF-SPANNER | | HM-SPANNER | | PART NO | CA | | L | | PART NO | CA | | L | | DL | | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm | |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 5/8 | 16 | 7/16 | 11 | 6740-0407 | 1.97 | 50 | 3.03 | 77 | | | | | | | | |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 5/8 | 16 | 5/8 | 16 | 6740-0510 | 1.89 | 48 | 2.95 | 75 | | | | | | | | |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 11/16 | | 5/8 | 16 | 6740-0610 | 1.85 | 47 | 3.15 | 80 | 6780-0610 | 0.98 | 25 | 2.28 | 58 | 1.26 | 32 | |
| 10 | 3/8 | 11/16 | 7/16 | -0611 | 11/16 | | 11/16 | | 6740-0611 | 1.97 | 50 | 3.31 | 84 | 6780-0611 | 1.02 | 26 | 2.32 | 59 | 1.42 | 36 | |

| | |
|-----|------|
| SAE | 6790 |
|-----|------|

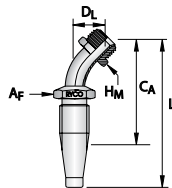
INVERTED
MALE FLARE



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | | SAE INVERTED MALE FLARE 90° EXTENDED ELBOW | | | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|--|------|----|------|----|------|----|
| DN | inch | inch | inch | | HM-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | | inch | mm | inch | mm | inch | mm |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 3/4 | 19 | 6790-0610 | 0.98 | 25 | 2.28 | 58 | 2.36 | 60 |

| | |
|-----|------|
| SAE | 6750 |
|-----|------|

INVERTED
MALE FLARE



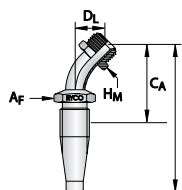
| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | MALE HEX | | SAE INVERTED MALE FLARE 45° TUBE BEND | | | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|------------|----|---------------------------------------|------|----|------|-----|------|----|
| DN | inch | inch | inch | | AF-SPANNER | | HM-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 5/8 | 16 | 5/8 | 16 | 6750-0510 | 3.15 | 80 | 4.21 | 107 | 0.91 | 23 |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 11/16 | | 11/16 | | 6750-0610 | 3.11 | 79 | 4.45 | 113 | 0.91 | 23 |

NOTE: Hose Compatibility for the 6000 series can be found on page 355.

6000 SERIES FIELD ATTACHABLE INSERTS

| | |
|------------|-------------|
| SAE | 6760 |
|------------|-------------|

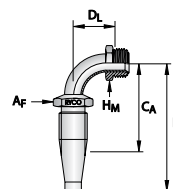
**INVERTED
MALE FLARE**



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | MALE HEX | | SAE INVERTED MALE FLARE 60° TUBE BEND | | | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|------------|----|---------------------------------------|------|----|------|----|------|----|
| DN | inch | inch | inch | | AF-SPANNER | | HM-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 5/8 | 16 | 7/16 | 11 | 6760-0407 | 2.83 | 72 | 3.90 | 99 | 1.14 | 29 |

| | |
|------------|-------------|
| SAE | 6770 |
|------------|-------------|

**INVERTED
MALE FLARE**



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | MALE HEX | | SAE INVERTED MALE FLARE 90° TUBE BEND | | | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|------------|----|---------------------------------------|------|----|------|----|------|----|
| DN | inch | inch | inch | | AF-SPANNER | | HM-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 7/16 | 1/4 | -0407 | 5/8 | 16 | 7/16 | 11 | 6770-0407 | 2.05 | 52 | 3.07 | 78 | 1.50 | 38 |
| 8 | 5/16 | 5/8 | 3/8 | -0510 | 5/8 | 16 | 5/8 | 16 | 6770-0510 | 2.44 | 62 | 3.50 | 89 | 1.97 | 50 |
| 10 | 3/8 | 5/8 | 3/8 | -0610 | 11/16 | | 5/8 | 16 | 6770-0610 | 2.40 | 61 | 3.70 | 94 | 1.97 | 50 |

NOTE: Hose Compatibility for the **6000** series can be found on page 355.

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

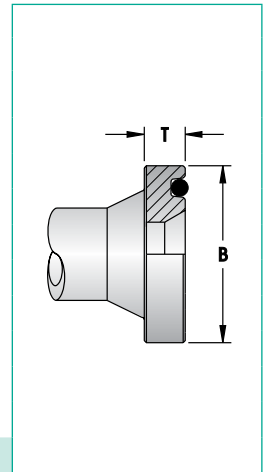
TECHNICAL

COUPLINGS

6000 SERIES FIELD ATTACHABLE INSERTS

DIMENSIONS FOR SAE CODE 61 AND CODE 62 FLANGES, AND RYCO CODE 62C FLANGES

| NOMINAL FLANGE | CODE 61 | | | | CODE 62 | | | | CODE 62C | | | |
|----------------|---------|------|------|-------|---------|------|-------|-------|----------|------|-------|-------|
| | B | | T | | B | | T | | B | | T | |
| inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch |
| 1/2 | 30,2 | 1.19 | 6,73 | 0.265 | 31,8 | 1.25 | 7,75 | 0.305 | | | | |
| *5/8 | 34,0 | 1.34 | 6,73 | 0.265 | | | | | | | | |
| 3/4 | 38,1 | 1.50 | 6,73 | 0.265 | 41,3 | 1.63 | 8,76 | 0.345 | 41,3 | 1.63 | 14,20 | 0.559 |
| 1 | 44,5 | 1.75 | 8,00 | 0.315 | 47,6 | 1.88 | 9,53 | 0.375 | 47,6 | 1.88 | 14,20 | 0.559 |
| 1.1/4 | 50,8 | 2.00 | 8,00 | 0.315 | 54,0 | 2.12 | 10,29 | 0.405 | 54,0 | 2.12 | 14,20 | 0.559 |
| 1.1/2 | 60,3 | 2.38 | 8,00 | 0.315 | 63,5 | 2.50 | 12,57 | 0.495 | 63,5 | 2.50 | 14,20 | 0.559 |
| 2 | 71,4 | 2.81 | 9,53 | 0.375 | 79,4 | 3.13 | 12,57 | 0.495 | 79,4 | 3.13 | 14,20 | 0.559 |
| 2.1/2 | 84,1 | 3.31 | 9,53 | 0.375 | | | | | | | | |
| 3 | 101,6 | 4.00 | 9,53 | 0.375 | | | | | | | | |

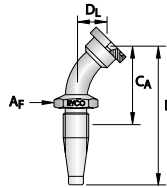


NOTE: RYCO Code 62C fittings conform to the flange OD and bolt hole patterns of SAE Code 62 but require special flange clamps. RYCO Code 62C flange heads are thicker than SAE Code 62 and measure T = 14,2 mm (0.559 inch) in all sizes.

SAE FLANGE

6150

CLAMPS - SEE PAGES
442 & 443
O RING NOT SUPPLIED



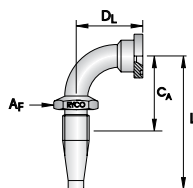
| HOSE SIZE | NOM. FLANGE SIZE | DASH SIZE | BACK UP Af | CODE 61 FLANGE 45° TUBE BEND | | | | | | | | |
|-----------|------------------|-----------|------------|------------------------------|----|------------------|------|------|----|------|------|------|
| | | | | Af-SPANNER | | PART NO | CA | | L | | DL | |
| DN | inch | inch | | inch | mm | | | inch | mm | inch | mm | inch |
| 12 | 1/2 | 1/2 | -0808 | 13/16 | | 6150-0808 | 2.44 | 62 | | | 0.79 | 20 |
| 12 | 1/2 | 3/4 | -0812 | 13/16 | | 6150-0812 | 2.52 | 64 | | | 0.94 | 24 |
| 16 | 5/8 | 5/8 | -1010 | 1 | | 6150-1010 | 2.76 | 70 | | | 0.94 | 24 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/8 | | 6150-1212 | 3.07 | 78 | | | 1.02 | 26 |
| 19 | 3/4 | 1 | -1216 | 1.1/8 | | 6150-1216 | 3.23 | 82 | | | 1.18 | 30 |
| 19 | 3/4 | 1.1/4 | -1220 | 1.1/8 | | 6150-1220 | 3.31 | 84 | | | 1.26 | 32 |
| 25 | 1 | 1 | -1616 | 1.3/8 | | 6150-1616 | 3.82 | 97 | | | 1.18 | 30 |
| 25 | 1 | 1.1/4 | -1620 | 1.3/8 | | 6150-1620 | 3.90 | 99 | | | 1.26 | 32 |
| 25 | 1 | 1.1/2 | -1624 | 1.3/8 | | 6150-1624 | 3.98 | 101 | | | 1.30 | 33 |
| 31 | 1.1/4 | 1 | -2016 | 1.43/50 | | 6150-2016 | 4.02 | 102 | | | 1.18 | 30 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 2 | | 6150-2020 | 18 | 119 | | | 1.42 | 36 |
| 31 | 1.1/4 | 1.1/2 | -2024 | 1.43/50 | | 6150-2024 | 4.80 | 122 | | | 1.50 | 38 |
| 51 | 2 | 2 | -3232 | 2.3/4 | 70 | 6150-3232 | 6.57 | 167 | | | 2.28 | 58 |

NOTE: Hose Compatibility for the **6000** series can be found on page 355.

6000 SERIES FIELD ATTACHABLE INSERTS

| | |
|-------------------|-------------|
| SAE FLANGE | 6170 |
|-------------------|-------------|

**CLAMPS - SEE PAGES
442 & 443
O RING NOT SUPPLIED**



| HOSE SIZE | | NOM. FLANGE SIZE | DASH SIZE | BACK UP AF | | CODE 61 FLANGE 90° TUBE BEND | | | | | | |
|-----------|-------|------------------|-----------|------------|----|------------------------------|------|-----|------|-----|------|-----|
| DN | inch | inch | | AF-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | inch | mm | | inch | mm | inch | mm | inch | mm |
| 12 | 1/2 | 1/2 | -0808 | 13/16 | | 6170-0808 | 2.13 | 54 | 3.43 | 87 | 1.61 | 41 |
| 12 | 1/2 | 3/4 | -0812 | 13/16 | | 6170-0812 | 2.13 | 54 | 3.43 | 87 | 1.73 | 44 |
| 16 | 5/8 | 5/8 | -1010 | 1 | | 6170-1010 | 2.44 | 62 | 3.86 | 98 | 1.89 | 48 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/8 | | 6170-1212 | 2.68 | 68 | 4.13 | 105 | 2.13 | 54 |
| 19 | 3/4 | 1 | -1216 | 1.1/8 | | 6170-1216 | 2.68 | 68 | 4.13 | 105 | 2.36 | 60 |
| 19 | 3/4 | 1.1/4 | -1220 | 1.1/8 | | 6170-1220 | 2.68 | 68 | 4.13 | 105 | 2.44 | 62 |
| 25 | 1 | 1 | -1616 | 1.3/8 | | 6170-1616 | 3.31 | 84 | 4.84 | 123 | 2.68 | 68 |
| 25 | 1 | 1.1/4 | -1620 | 1.3/8 | | 6170-1620 | 3.31 | 84 | 4.84 | 123 | 2.72 | 69 |
| 25 | 1 | 1.1/2 | -1624 | 1.3/8 | | 6170-1624 | 3.31 | 84 | 4.84 | 123 | 2.87 | 73 |
| 31 | 1.1/4 | 1 | -2016 | 1.43/50 | | 6170-2016 | 3.58 | 91 | 5.71 | 145 | 2.68 | 68 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.43/50 | | 6170-2020 | 4.21 | 107 | 6.34 | 161 | 3.03 | 77 |
| 31 | 1.1/4 | 1.1/2 | -2024 | 1.43/50 | | 6170-2024 | 4.21 | 107 | 6.34 | 161 | 3.19 | 81 |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2.1/4 | 57 | 6170-2424 | 4.76 | 121 | 7.24 | 184 | 3.66 | 93 |
| 38 | 1.1/2 | 2 | -2432 | 2.1/4 | 57 | 6170-2432 | 4.76 | 121 | 7.24 | 184 | 3.90 | 99 |
| 51 | 2 | 2 | -3232 | 2.3/4 | 70 | 6170-3232 | 6.18 | 157 | 8.94 | 227 | 4.96 | 126 |

NOTE: Hose Compatibility for the **6000** series can be found on page 355.

INTRODUCTION

HOSE

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ADAPTORS

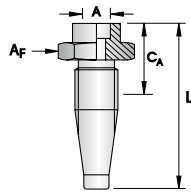
TECHNICAL

COUPLINGS

6000 SERIES FIELD ATTACHABLE INSERTS

| | |
|----------------|-------------|
| SALVAGE | 6230 |
|----------------|-------------|

TUBE WELD



| HOSE SIZE | | A | DASH SIZE | BACK UP Af | | SALVAGE (LIVESAVER) | | | | |
|-----------|-------|-------|-----------|------------|----|---------------------|------|----|------|-----|
| DN | inch | inch | | Af-SPANNER | | PART NO | CA | | L | |
| | | | | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 1/4 | -0404 | 5/8 | 16 | 6230-0404 | 1.10 | 28 | 2.13 | 54 |
| 6 | 1/4 | 3/8 | -0406 | 5/8 | 16 | 6230-0406 | 1.10 | 28 | 2.13 | 54 |
| 8 | 5/16 | 3/8 | -0506 | 5/8 | 16 | 6230-0506 | 0.98 | 25 | 2.09 | 53 |
| 10 | 3/8 | 3/8 | -0606 | 11/16 | | 6230-0606 | 0.94 | 24 | 2.28 | 58 |
| 10 | 3/8 | 1/2 | -0608 | 11/16 | | 6230-0608 | 0.94 | 24 | 2.28 | 58 |
| 12 | 1/2 | 1/2 | -0808 | 13/16 | | 6230-0808 | 1.14 | 29 | 2.44 | 62 |
| 12 | 1/2 | 5/8 | -0810 | 7/8 | 22 | 6230-0810 | 1.14 | 29 | 2.44 | 62 |
| 12 | 1/2 | 3/4 | -0812 | 1.1/16 | 27 | 6230-0812 | 1.14 | 29 | 2.44 | 62 |
| 16 | 5/8 | 5/8 | -1010 | 1 | | 6230-1010 | 1.22 | 31 | 2.64 | 67 |
| 16 | 5/8 | 3/4 | -1012 | 1 | | 6230-1012 | 1.22 | 31 | 2.64 | 67 |
| 19 | 3/4 | 3/4 | -1212 | 1.1/16 | 27 | 6230-1212 | 1.18 | 30 | 2.64 | 67 |
| 19 | 3/4 | 1 | -1216 | 1.3/8 | | 6230-1216 | 1.34 | 34 | 2.83 | 72 |
| 22 | 7/8 | 1 | -1416 | 1.3/8 | | 6230-1416 | 1.26 | 32 | 2.36 | 60 |
| 25 | 1 | 3/4 | -1612 | 1.3/8 | | 6230-1612 | 1.46 | 37 | 2.99 | 76 |
| 25 | 1 | 1 | -1616 | 1.3/8 | | 6230-1616 | 1.54 | 39 | 3.07 | 78 |
| 25 | 1 | 1.1/4 | -1620 | 1.3/4 | | 6230-1620 | 1.57 | 40 | 3.11 | 79 |
| 28 | 1.1/8 | 1.1/4 | -1820 | 1.43/50 | | 6230-1820 | 1.61 | 41 | 2.91 | 74 |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.3/4 | | 6230-2020 | 1.73 | 44 | 3.86 | 98 |
| 35 | 1.3/8 | 1.1/2 | -2224 | 2 | | 6230-2224 | 1.34 | 34 | 2.64 | 67 |
| 38 | 1.1/2 | 1.1/2 | -2424 | 2.1/4 | 57 | 6230-2424 | 1.57 | 40 | 4.06 | 103 |
| 51 | 2 | 2 | -3232 | 2.1/2 | | 6230-3232 | 1.97 | 50 | 4.76 | 121 |

NOTE: Hose Compatibility for the **6000** series can be found on page 355.

6000 SERIES FIELD ATTACHABLE INSERTS

INTRODUCTION

HOSE

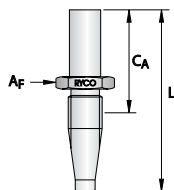
COUPLINGS

ADAPTORS

TECHNICAL

STANDPIPE 6180

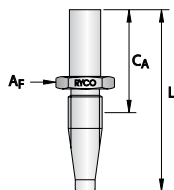
IMPERIAL



| HOSE SIZE | | TUBE SIZE | DASH SIZE | BACK UP AF | | IMPERIAL STANDPIPE | | | | | |
|-----------|-------|-----------|-----------|------------|----|--------------------|------|----|------|-----|--|
| DN | inch | inch | | AF-SPANNER | | PART NO | CA | | L | | |
| | | | | inch | mm | | inch | mm | inch | mm | |
| 6 | 1/4 | 5/16 | -0405 | 5/8 | 16 | 6180-0405 | 1.69 | 43 | 2.72 | 69 | |
| 6 | 1/4 | 3/8 | -0406 | 5/8 | 16 | 6180-0406 | 1.73 | 44 | 2.76 | 70 | |
| 10 | 3/8 | 3/8 | -0606 | 5/8 | 16 | 6180-0606 | 1.61 | 41 | 2.91 | 74 | |
| 10 | 3/8 | 1/2 | -0608 | 5/8 | 16 | 6180-0608 | 1.61 | 41 | 2.91 | 74 | |
| 12 | 1/2 | 1/2 | -0808 | 13/16 | | 6180-0808 | 1.77 | 45 | 3.07 | 78 | |
| 12 | 1/2 | 5/8 | -0810 | 13/16 | | 6180-0810 | 2.05 | 52 | 3.35 | 85 | |
| 19 | 3/4 | 7/8 | -1212 | 1.1/16 | 27 | 6180-1212 | 2.32 | 59 | 3.78 | 96 | |
| 31 | 1.1/4 | 1.1/4 | -1214 | 1.1/16 | | 6180-1214 | 2.60 | 66 | 4.06 | 103 | |
| 31 | 1.1/4 | 1.1/4 | -2020 | 1.3/4 | | 6180-2020 | 3.19 | 81 | 5.31 | 135 | |

STANDPIPE 6640

METRIC



| HOSE SIZE | | TUBE SIZE | DASH SIZE | BACK UP AF | | METRIC STANDPIPE | | | | | |
|-----------|------|-----------|-----------|------------|----|------------------|------|----|------|-----|--|
| DN | inch | inch | | AF-SPANNER | | PART NO | CA | | L | | |
| | | | | inch | mm | | inch | mm | inch | mm | |
| 6 | 1/4 | 6 | -0406 | 5/8 | 16 | 6640-0406 | 1.69 | 43 | 2.72 | 69 | |
| 6 | 1/4 | 8 | -0408 | 5/8 | 16 | 6640-0408 | 1.69 | 43 | 2.72 | 69 | |
| 6 | 1/4 | 10 | -0410 | 5/8 | 16 | 6640-0410 | 1.73 | 44 | 2.76 | 70 | |
| 10 | 3/8 | 10 | -0610 | 11/16 | | 6640-0610 | 1.61 | 41 | 2.91 | 74 | |
| 10 | 3/8 | 12 | -0612 | 3/4 | 19 | 6640-0612 | 1.61 | 41 | 2.91 | 74 | |
| 10 | 3/8 | 14 | -0614 | 11/16 | | 6640-0614 | 1.81 | 46 | 3.15 | 80 | |
| 12 | 1/2 | 15 | -0815 | 7/8 | 22 | 6640-0815 | 1.85 | 47 | 3.15 | 80 | |
| 12 | 1/2 | 16 | -0816 | 7/8 | 22 | 6640-0816 | 2.05 | 52 | 3.35 | 85 | |
| 16 | 5/8 | 16 | -1016 | 1 | | 6640-1016 | 2.13 | 54 | 3.54 | 90 | |
| 19 | 3/4 | 20 | -1220 | 1.1/8 | | 6640-1220 | 2.36 | 60 | 3.86 | 98 | |
| 19 | 3/4 | 22 | -1222 | 1.1/8 | | 6640-1222 | 2.05 | 52 | 3.54 | 90 | |
| 25 | 1 | 30 | -1630 | 1.3/8 | | 6640-1630 | 2.91 | 74 | 4.45 | 113 | |

NOTE: See RYCO Adaptors Catalogue DKL and DKS Metric Nuts and Olives for use with Metric Standpipe Fittings.

NOTE: Hose Compatibility for the 6000 series can be found on page 355.

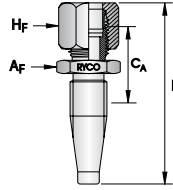
COUPLINGS

6000 SERIES FIELD ATTACHABLE INSERTS

TUBE BITE

6850

COMPLETE WITH NUT
AND FLARELESS OLIVE

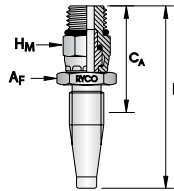


| HOSE SIZE | | TUBE SIZE | DASH SIZE | BACK UP AF | | FEMALE HEX | | TUBE BITE | | | | |
|-----------|------|-----------|-----------|------------|----|------------|----|------------------|------|----|------|----|
| DN | inch | inch | | inch | mm | inch | mm | PART NO | CA | | L | |
| | | | | | | | | | inch | mm | inch | mm |
| 10 | 3/8 | 3/8 | -0606 | 3/4 | 19 | 11/16 | | 6850-0606 | 1.14 | 29 | 2.48 | 63 |

UNO (O RING BOSS)

6380

O RING SUPPLIED



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP AF | | MALE HEX | | UN O RING MALE SWIVEL | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|----------|----|-----------------------|------|----|------|----|
| DN | inch | inch | inch | | inch | mm | inch | mm | PART NO | CA | | L | |
| | | | | | | | | | | inch | mm | inch | mm |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 11/16 | | 11/16 | | 6380-0409 | 1.77 | 45 | 2.80 | 71 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 7/8 | 22 | 7/8 | 22 | 6380-0612 | 1.89 | 48 | 3.23 | 82 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 7/8 | 22 | 1 | | 6380-0814 | 2.05 | 52 | 3.35 | 85 |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 1 | | 1 | | 6380-1014 | 2.13 | 54 | 3.54 | 90 |

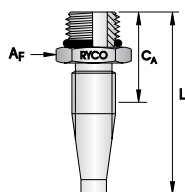
NOTE: The "Live Swivel" 6380 Series Insert is for Maximum Working Pressure: 350 bar (5100 psi): -09 & -12 Thread Size, 280 bar (4100 psi): -14 & -17 Thread Size. Their swivel capability is to allow easy installation and orientation and avoid twisting of hose. They are not designed for continuous rotation or continuous movement.

NOTE: Hose Compatibility for the 6000 series can be found on page 355.

6000 SERIES FIELD ATTACHABLE INSERTS

| | |
|--------------------------|-------------|
| UNO (O RING BOSS) | 6200 |
|--------------------------|-------------|

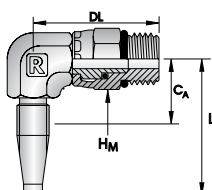
O RING SUPPLIED



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | BACK UP Af | | MALE HEX | | UN O RING MALE | | | | |
|-----------|------|-----------|-----------|-----------|------------|----|------------|----|------------------|------|----|------|----|
| DN | inch | inch | inch | | AF-SPANNER | | HM-SPANNER | | PART NO | CA | | L | |
| | | | | | inch | mm | inch | mm | | inch | mm | inch | mm |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 11/16 | | 11/16 | | 6200-0409 | 1.22 | 31 | 2.24 | 57 |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 3/4 | 19 | 3/4 | 19 | 6200-0609 | 1.06 | 27 | 2.40 | 61 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 7/8 | 22 | 7/8 | 22 | 6200-0612 | 1.18 | 30 | 2.52 | 64 |
| 10 | 3/8 | 7/8 | 5/8 | -0614 | 1 | | 1 | | 6200-0614 | 1.26 | 32 | 2.56 | 65 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 7/8 | 22 | 7/8 | 22 | 6200-0812 | 1.30 | 33 | 2.60 | 66 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 1 | | 1 | | 6200-0814 | 1.38 | 35 | 2.68 | 68 |
| 12 | 1/2 | 1.1/16 | 3/4 | -0817 | 1.1/4 | 32 | 1.1/4 | 32 | 6200-0817 | 1.54 | 39 | 2.83 | 72 |
| 16 | 5/8 | 7/8 | 5/8 | -1014 | 1.1/8 | | 1.1/8 | | 6200-1014 | 1.69 | 43 | 3.11 | 79 |
| 16 | 5/8 | 1.1/16 | 3/4 | -1017 | 1.1/4 | 32 | 1.1/4 | 32 | 6200-1017 | 1.61 | 41 | 3.03 | 77 |
| 16 | 5/8 | 1.5/16 | 1 | -1021 | 1.1/2 | 38 | 1.1/2 | 38 | 6200-1021 | 1.69 | 43 | 3.11 | 79 |
| 19 | 3/4 | 1.1/16 | 3/4 | -1217 | 1.1/4 | 32 | 1.1/4 | 32 | 6200-1217 | 1.54 | 39 | 3.03 | 77 |
| 19 | 3/4 | 1.5/16 | 1 | -1221 | 1.1/2 | 38 | 1.1/2 | 38 | 6200-1221 | 1.61 | 41 | 3.11 | 79 |
| 25 | 1 | 1.1/16 | 3/4 | -1617 | 1.1/4 | 32 | 1.1/4 | 32 | 6200-1617 | 1.97 | 50 | 3.50 | 89 |
| 25 | 1 | 1.3/16 | 7/8 | -1619 | 1.3/8 | | 1.3/8 | | 6200-1619 | 1.77 | 45 | 3.31 | 84 |
| 25 | 1 | 1.5/16 | 1 | -1621 | 1.1/2 | 38 | 1.1/2 | 38 | 6200-1621 | 1.77 | 45 | 3.31 | 84 |

| | |
|--------------------------|-------------|
| UNO (O RING BOSS) | 6390 |
|--------------------------|-------------|

O RING SUPPLIED



| HOSE SIZE | | THRD SIZE | TUBE SIZE | DASH SIZE | MALE HEX | UN O RING MALE SWIVEL 90° ELBOW | | | | | | | |
|-----------|------|-----------|-----------|-----------|------------|---------------------------------|------------------|------|----|------|----|------|----|
| DN | inch | inch | inch | | HM-SPANNER | | PART NO | CA | | L | | DL | |
| | | | | | inch | mm | | inch | mm | inch | mm | inch | mm |
| 6 | 1/4 | 9/16 | 3/8 | -0409 | 9/16 | | 6390-0409 | 1.06 | 27 | 2.09 | 53 | 1.38 | 35 |
| 6 | 1/4 | 3/4 | 1/2 | -0412 | 3/4 | 19 | 6390-0412 | 1.10 | 28 | 2.17 | 55 | 1.65 | 42 |
| 10 | 3/8 | 9/16 | 3/8 | -0609 | 3/4 | 19 | 6390-0609 | 0.98 | 25 | 2.28 | 58 | 1.50 | 38 |
| 10 | 3/8 | 3/4 | 1/2 | -0612 | 3/4 | 19 | 6390-0612 | 0.98 | 25 | 2.28 | 58 | 1.65 | 42 |
| 10 | 3/8 | 7/8 | 5/8 | -0614 | 7/8 | 22 | 6390-0614 | 1.02 | 26 | 2.32 | 59 | 1.77 | 45 |
| 12 | 1/2 | 3/4 | 1/2 | -0812 | 7/8 | 22 | 6390-0812 | 1.26 | 32 | 2.56 | 65 | 1.73 | 44 |
| 12 | 1/2 | 7/8 | 5/8 | -0814 | 7/8 | 22 | 6390-0814 | 1.26 | 32 | 2.56 | 65 | 1.77 | 45 |

NOTE: The "Live Swivel" 6390 Series Insert is for Maximum Working Pressure: 350 bar (5100 psi); -09 & -12 Thread Size, 280 bar (4100 psi); -14 & -17 Thread Size. Their swivel capability is to allow easy installation and orientation and avoid twisting of hose. They are not designed for continuous rotation or continuous movement.

NOTE: Hose Compatibility for the 6000 series can be found on page 355.

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| THREAD OR CONNECTOR TYPE | MIXTURE | PAGE | |
|--------------------------------|--|-----------|---|
| BSP | BSPT/BSPP/BSPP O RING BSPT/JIC & BSPP O RING/JIC BSP/ORFS BSP/SAE BSP/UNO | 401 - 416 | NOTE: If an ADAPTOR is available in both BSPT Male and BSPP O RING Male styles they are located close to each other. |
| NPT & NPSM | NPT/NPT NPT/JIC NPT/ORFS NPT/SAE NPT/UNO & NPSM/UNO | 417 - 423 | |
| JIC | JIC JIC/JIC JIC/ORFS JIC/UNO | 424 - 433 | |
| JOINER | TUBEWELD/TUBEWELD | 433 | |
| METRIC* | METRIC METRIC/BSPP O RING METRIC/JIC | 434 - 437 | |
| ORFS | ORFS ORFS/ORFS ORFS/UNO | 437 - 440 | |
| SAE THREADS | SAE SAE/SAE | 441 - 445 | |
| SAE FLANGES* | SAE FLANGE CLAMPS & CLAMP KITS SAE FLANGE PLUGS & TUBE WELD SAE FLANGE/JIC SAE FLANGE/ORFS SAE FLANGE BLOCKS | 446 - 450 | |
| SWIVEL JOINTS | BSP/BSP JIC/JIC | 450 | |
| UNO (O RING BOSS) | UNO UNO/UNO | 452 | |
| MISCELLANEOUS | O RINGS PLASTIC CAP AND PLUGS TUBE BENDS | 453 - 459 | |
| RYCOLOK & SUPERLOK* | RYCOLOK & SUPERLOK BALL VALVES | — | |
| RYCO WEO* | RYCO WEO/RYCO WEO RYCO WEO/BSP RYCO WEO/JIC RYCO WEO/METRIC RYCO WEO/UNO | 460 - 462 | |

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*All adaptors with these thread or connector types are grouped together. The **METRIC, SAE FLANGE, RYCOLOK, SUPERLOK** or **RYCO WEO** end takes precedence. All METRIC adaptors, regardless of other end mixture, are in the METRIC group, and all SAE FLANGE adaptors are in SAE FLANGE group. Therefore a JIC/METRIC nipple will be found in METRIC Section not JIC Section; and an SAE FLANGE/BSP adaptor is in SAE FLANGE section not BSP section.

WORKING PRESSURES – STEEL ADAPTORS

Since many factors influence the pressure at which a hydraulic system will, or will not, perform satisfactorily, Maximum Working Pressures should be used as a **guide only** and not as a “standard” nor “specification” nor construed as a “guaranteed minimum.” Unless otherwise listed below, refer to pages 496 to 500 for **Maximum Working Pressure** guide. For further technical assistance contact RYCO or your RYCO distributor.

CAUTION: The Maximum Working Pressure of an Adaptor with a combination of Thread / End Styles and sizes is the Maximum Working Pressure of the least rated end.

NOTE: DROP LENGTHS (DL) AND CUT-OFF ALLOWANCES (CA):

Drop Lengths (DL) and Cut-off Allowances (CA) are in millimetres and are shown for reference only, and may vary according to manufacturing method, or due to design refinement.

ADAPTORS

FINDING ADAPTORS

There are three easy rules to remember to quickly find an ADAPTOR in this section. These are, in order:

RULE 1. ALPHABETICAL RULE

The ADAPTORS section follows THREAD or CONNECTOR TYPE order and is in the "ALPHABETICAL" sequence shown on the Contents Page opposite. (This order is strictly alphabetical; except for NPT, which is similar in concept to BSP and is placed directly after BSP; and RYCOLOK, SUPERLOK and RYCO WEO which are placed at the end of the ADAPTORS section).

RULE 2. MIXTURE RULE

Where there is a MIXTURE of THREAD or CONNECTOR TYPES eg. JIC one end UNO other end, this adaptor will be found in the JIC section (because JIC comes alphabetically before UNO). All the JIC/JIC adaptors come first, then JIC/ORFS then JIC/UNO.

There are SEVEN EXCEPTIONS to this MIXTURE rule:

METRIC
SAE FLANGE
RYCOLOK
SUPERLOK
RYCO WEO

In these cases, the **METRIC, SAE FLANGE, RYCOLOK, SUPERLOK** or **RYCO WEO** end takes precedence. All METRIC adaptors, regardless of other end mixture, are in the METRIC group, and all SAE FLANGE adaptors are in SAE FLANGE group. Therefore a JIC/METRIC nipple will be found in METRIC Section not JIC Section; and an SAE FLANGE/BSP adaptor is in SAE FLANGE section not BSP section.

RULE 3. NUMBER OF ENDS RULE

Within each subsection the order is as follows:

FIND BY END NUMBER

| | | |
|-----------------------------|---|--|
| ONE ENDED ADAPTORS | PLUG CAP | Male Plugs before Female Caps. |
| TWO ENDED ADAPTORS | TUBE WELD NUT & SLEEVE/NUT & OLIVE STRAIGHT 45° ELBOW 90° ELBOW 45° TUBE BEND 90° TUBE BEND | Male/Male before Male/Female before Female/Female |
| THREE ENDED ADAPTORS | TEE Y | Male Tees before Male/Female Tees before Female Tees |
| FOUR ENDED ADAPTORS | CROSS X | |

OTHER WAYS TO QUICKLY FIND AN ADAPTOR

1. **CONTENTS PAGE** on page 389
2. **ALPHANUMERIC INDEX** on pages 4 and 5
3. **PICTORIAL INDEX** on pages 393 to 400

The PICTORIAL INDEX is in NUMBER OF ENDS rule order except 45° TUBE BENDS are after 45° ELBOWS, and 90° TUBE BENDS are after 90° ELBOWS.

All PLUGS first, then CAPS, TUBE WELDS, etc. finishing with CROSSES except all SAE FLANGES, SAE FLANGE BLOCKS and all RYCOLOK, SUPERLOK and RYCO WEO are at the end of the index.

DASH SIZE NUMBERING RULES

The DASH SIZE numbering rules for HOSE and HOSE COUPLINGS are shown on pages 30 to 33, and are quite straightforward. With a little familiarity, you will find that you can specify Part Numbers without reference to the Product Technical Manual.

The DASH SIZE numbering rules for ADAPTORS are a little more complex, and are shown on this page, and the next page, for those who would like to understand the logic applied to determine the sequence ADAPTOR ends are listed.

Adaptors Dash Size numbering rules are very similar to the Three Rules on page 390. The main criteria is the **NUMBER OF ENDS** the Adaptor has, with other factors being **GENDER** (Male or Female) and **MIXTURE** of Thread or Connector type. Note also that BSPT, BSPP, and BSPP O RING are treated as "different" thread types.

1. ADAPTORS WITH ONE END. (Plugs and Caps, Lock Nuts, Bonded Seals etc.)

RULE IS: Adaptor Group Designator followed by Dash Size

EXAMPLE: **1/2" BSPT MALE PLUG**

Group Designator for BSPT Male Plug is S64 (from Pictorial Index page 393).

Dash Size for 1/2" BSP is -08 (see page 401).

Part Number is S64-08.



2. ADAPTORS WITH TWO ENDS. (Straights, Elbows, Tube Bends)

(A) SAME THREAD OR CONNECTOR TYPE. SAME GENDER

RULE IS: Larger Dash Size first, followed by smaller Dash Size.

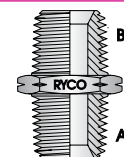
(Except if a Bulkhead fitting, Bulkhead End first).

EXAMPLE 1: 1/2" NPT MALE TO 3/4" NPT MALE NIPPLE

Group Designator is S27N.

Dash Size for 1/2" NPT is -08. Dash Size for 3/4" NPT is -12.

Part Number is S27N-1208.

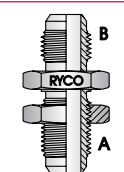


Example 2: 1.1/16" JIC MALE BULKHEAD TO 7/8" JIC MALE NIPPLE

Group Designator is S10.

Dash Size for 1.1/16" JIC is -17. Dash Size for 7/8" JIC is -14.

Part Number is S10-1714.



(B) SAME THREAD OR CONNECTOR TYPE. DIFFERENT GENDER

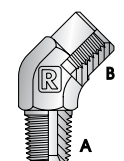
RULE IS: Dash Size of Male End first, then Dash Size of Female End.

EXAMPLE: **3/8" BSPT FEMALE TO 1/4" BSPT MALE 45° ELBOW**

Group Designator is S39.

Dash Size for 3/8" BSP is -06. Dash Size for 1/4" BSP is -04.

Part Number is S39-0406.



(C) TUBE WELD & NUT AND SLEEVE

Thread x Tube Weld **RULE IS:** Thread Dash Size First, then Tube Dash Size.

Flange x Tube Weld **RULE IS:** Flange Dash Size First, then Tube Dash Size.

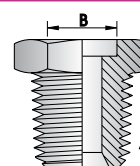
Nut and Sleeve **RULE IS:** Thread Dash Size First, then Tube Dash Size.

EXAMPLE 1: 1/2" BSPT MALE TO 3/4" TUBE OD TUBE WELD

Group Designator is S53.

Dash Size for 1/2" BSP is -08. Dash Size for 3/4" OD Tube is -12.

Part Number is S53-0812.

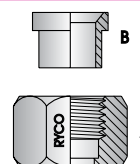


EXAMPLE 2: JIC NUT AND SLEEVE FOR 3/8" TUBE OD

Group Designator is S6.

Dash Size for 3/8" OD Tube is -06. JIC Thread Size for 3/8" Tube is 9/16" JIC (-09)

Part Number is S6-0906.



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DASH SIZE NUMBERING RULES

(D) MIX OF THREAD OR CONNECTOR TYPES

RULE IS: In order shown below, which is alphabetical except for NPT, which comes immediately after BSP; and METRIC and SAE FLANGE are in groups (all METRIC, SAE FLANGE, RYCOLOK, SUPERLOK and RYCO WEO adaptors are grouped together regardless of the other end mixture).

| THREAD OR CONNECTOR TYPE | MIXTURE | EXAMPLES |
|--------------------------|--|--|
| BSP | BSPT MALE BSPT MALE BULKHEAD BSPP MALE WITHOUT O RING BSPP ENCAPSULATED MALE BSPP O RING MALE BSPP FACE SEAL MALE BSPT FEMALE FIXED BSPP FEMALE FIXED BSPP FEMALE SWIVEL | <p>EXAMPLES:</p> <ol style="list-style-type: none"> BSPT FEMALE TO JIC MALE ADAPTOR BSPT End comes first UNO MALE TO JIC MALE JIC End comes first NPT MALE to RYCOLOK FEMALE RYCOLOK is a Group, so RYCOLOK End comes first JIC MALE TO DKL MALE DKL is in METRIC Group so it comes first If adaptor is a mixture of "grouped" ends e.g. SAE Flange one end and Metric other, hierarchy is: RYCOLOK SUPERLOK RYCO WEO SAE FLANGE METRIC <p>Therefore Metric Male to SAE Flange would be in SAE Flange section and SAE Flange end comes first.</p> |
| NPT | NPT MALE NPT FEMALE FIXED NPSM FEMALE SWIVEL | |
| JIC | JIC MALE BULKHEAD JIC MALE JIC FEMALE FIXED JIC FEMALE SWIVEL | |
| METRIC | DKL MALE DKS MALE JIS (KOMATSU) MALE METRIC O RING BOSS | |
| ORFS | ORFS MALE BULKHEAD ORFS MALE ORFS FEMALE | |
| SAE THREAD | SAE MALE BULKHEAD SAE MALE SAE FEMALE | |
| SAE FLANGE | O RING GROOVED FLANGE FLAT FACED FLANGE (BLANK) | |
| UNO (O RING BOSS) | UNO RING MALE UNO FEMALE FIXED | |
| RYCOLOK | RYCOLOK MALE RYCOLOK FEMALE | |
| SUPERLOK | SUPERLOK MALE SUPERLOK FEMALE | |
| RYCO WEO | RYCO WEO MALE RYCO WEO FEMALE | |

(E) SWIVEL JOINTS

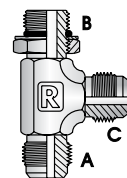
RULE IS: The Dash Size of Thread on the centre spindle comes first, and Dash Size of Thread on the rotating body comes second.

3. ADAPTORS WITH THREE ENDS. (Tees & Y's)

Always numbered in order

Dash Size of Run End A
Dash Size of Run End B
Dash Size of Branch End C

RULES FOR DETERMINING WHICH OF RUN END A OR RUN END B COMES FIRST ARE SAME RULES AS FOR ADAPTORS WITH TWO ENDS (ABOVE).

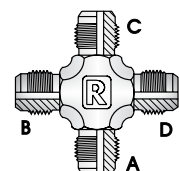


4. ADAPTORS WITH FOUR ENDS. (Crosses & X's)

S32 BSPT Female Cross
S32N NPT Female Cross
S100 JIC Male Cross

only, no jump sizes & no mixes of threads.

RULE IS: Start at first end A, and then proceed clockwise.



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PLUG

| | | | | | | |
|--------------------|-----------------------------|---------------------|--------------------|--------------------|---------------------|---------------------|
| S64 P401 | S73 P401 | S64N P417 | S56 P424 | M73 P434 | S111 P437 | S97 P452 |
| | | | | | | |
| BSPT MALE PLUG | BSPP ENCAPSULATED MALE PLUG | NPT MALE PLUG | JIC MALE PLUG | METRIC MALE PLUG | ORFS MALE PLUG | UN O RING MALE PLUG |

PLUG CONT'D

| | |
|------------------------------------|----------------------|
| S97AK P452 | RW723 P460 |
| | |
| UN O RING MALE ALLEN KEY HEAD PLUG | RYCO WEO MALE PLUG |

CAP

| | | | | |
|------------------------|--------------------|-----------------------|---------------------|--------------------------|
| S59 P401 | S65 P424 | S65S P424 | S113 P437 | RW811 P460 |
| | | | | |
| BSPP FEMALE SWIVEL CAP | JIC FEMALE CAP | JIC FEMALE SWIVEL CAP | ORFS FEMALE CAP | RYCO WEO FEMALE STOP CAP |

TUBE WELD WELD ON

| | | | | | | |
|---------------------|---------------------|-------------------------------|------------------------------|---------------------|--------------------|------------------------------|
| S53 P401 | S53P P401 | S54 P401 | S58 P401 | S53N P417 | S51 P424 | S52 P424 |
| | | | | | | |
| BSPT MALE TUBE WELD | BSPP MALE TUBE WELD | BSPT MALE TUBE WELD 90° ELBOW | BSPP FEMALE SWIVEL TUBE WELD | NPT MALE TUBE WELD | JIC MALE TUBE WELD | JIC MALE TUBE WELD 90° ELBOW |

TUBE WELD WELD ON CONT'D

| | | | | | | |
|-----------------------------|------------------------|---------------------|---------------------|------------------------------|---------------------|--------------------------------------|
| S57 P424 | S152 P424 | S112 P433 | S115 P437 | S106 P437 | SA51 P441 | S148 P452 |
| | | | | | | |
| JIC FEMALE SWIVEL TUBE WELD | JIC MALE TUBE WELD TEE | JOINER TUBE WELD | ORFS MALE TUBE WELD | ORFS FEMALE SWIVEL TUBE WELD | SAE MALE TUBE WELD | UN O RING FEMALE HALF SOCKET WELD ON |

NUT & SLEEVE

NUT & OLIVE

| | | | | | | |
|-------------------------|--------------------------------|-------------------------------|---------------------|------------------------|------------------------|-------------------------|
| S6 P425 | S6M P425 | S6S P425 | S134 P425 | M6L P434 | M6S P434 | SA6 P441 |
| | | | | | | |
| JIC FEMALE NUT & SLEEVE | JIC FEMALE NUT & METRIC SLEEVE | JIC FEMALE NUT & SHORT SLEEVE | J-LOK NUT & OLIVE | METRIC DKL NUT & OLIVE | METRIC DKS NUT & OLIVE | SAE FEMALE NUT & SLEEVE |






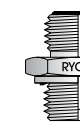

BULKHEAD NIPPLE

| | | | | | |
|------------------------------|---------------------------------|-----------------------------|----------------------------|------------------------------|----------------------------|
| S44 P403 | S130 P408 | S130P P408 | S10 P426 | S141 P438 | SA10 P441 |
| | | | | | |
| BSPP MALE BULKHEAD BSPP MALE | BSPTM NO SEAT JIC MALE BULKHEAD | BSPP MALE JIC MALE BULKHEAD | JIC MALE BULKHEAD JIC MALE | ORFS MALE BULKHEAD ORFS MALE | SAE MALE BULKHEAD SAE MALE |








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MALE NIPPLE

| | | | | | | |
|---|---|---|---|--|---|---|
| S27 P402 | S75 P403 | S46 P404 | S7 P409 | S74 P411 | S180 P414 | SA7 P414 |
|  |  |  |  |  |  |  |
| BSPT MALE BSPT MALE | BSPT MALE BSPP ENCAPSULATED MALE | BSPP MALE BSPP ENCAPSULATED MALE | BSPT MALE JIC MALE | BSPP ENCAPSULATED MALE JIC MALE | BSPP ENCAPSULATED MALE ORFS MALE | BSPT MALE SAE MALE |






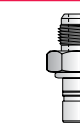
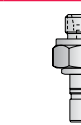
MALE NIPPLE CONT'D

| | | | | | | |
|---|---|---|---|--|---|---|
| S93 P415 | S27N P418 | S7N P420 | S114N P422 | SA7N P423 | S17 P426 | S108 P430 |
|  |  |  |  |  |  |  |
| BSPT MALE UN O RING MALE | NPT MALE NPT MALE | NPT MALE JIC MALE | NPT MALE ORFS MALE | NPT MALE SAE MALE | JIC MALE JIC MALE | JIC MALE ORFS MALE |

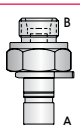

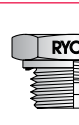

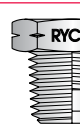
MALE NIPPLE CONT'D

| | | | | | | |
|---|---|---|---|--|---|---|
| S90 P431 | S107 P431 | M75L P435 | M75S P435 | M7 P436 | M7L P436 | M7S P436 |
|  |  |  |  |  |  |  |
| JIC MALE UN O RING MALE | JIC MALE EXTENDED UN O RING MALE | METRIC DKL MALE 24° CONE BSPP O RING MALE | METRIC DKS MALE 24° CONE BSPP O RING MALE | METRIC MALE JIC MALE | METRIC DKL MALE 24° CONE JIC MALE | METRIC DKS MALE 24° CONE JIC MALE |

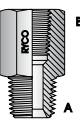






MALE NIPPLE CONT'D

| | | | | | | |
|---|---|---|---|--|---|---|
| S116 P438 | S122 P439 | SA17 P441 | S162 P452 | RW722 P460 | RW727 P461 | RW725 P461 |
|  |  |  |  |  |  |  |
| ORFS MALE ORFS MALE | ORFS MALE UN O RING MALE | SAE MALE SAE MALE | UN O RING MALE ADJUSTABLE UN O RING MALE | RYCO WEO MALE NIPPLE | RYCO WEO MALE JIC MALE | RYCO WEO MALE DKL MALE |

MALE NIPPLE CONT'D

| | | | | |
|---|---|---|--|---|
| RW726 P462 | S24 P402 | S102 P404 | S85 P415 | S24N P417 |
|  |  |  |  |  |
| RYCO WEO MALE DKS MALE | BSPT MALE BSPT FEMALE FIXED REDUCING BUSH | BSPP ENCAPSULATED MALE BSPP FEMALE FIXED REDUCING BUSH | BSPT FEMALE FIXED UN O RING MALE REDUCING BUSH | NPT MALE NPT FEMALE FIXED REDUCING BUSH |

STRAIGHT MALE X FEMALE

| | | | | | | |
|---|---|---|---|--|---|---|
| S72 P402 | S80 P402 | S43 P404 | S128 P409 | S61 P409 | S16 P409 | S71 P411 |
|  |  |  |  |  |  |  |
| BSPT MALE BSPT FEMALE FIXED | BSPT MALE BSPP FEMALE SWIVEL | BSPP ENCAPSULATED MALE BSPP FEMALE SWIVEL | BSPT MALE JIC/UN O RING FEMALE FIXED DUAL SEAT | BSPT MALE JIC FEMALE SWIVEL | BSPT FEMALE FIXED JIC MALE | BSPP ENCAPSULATED MALE JIC FEMALE SWIVEL |

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STRAIGHT MALE X FEMALE CONT'D

| | | | | | | |
|---|----------------------------------|-----------------------------------|---------------------------|-----------------------------|----------------------------|---------------------------|
| S181 P414 | S96 P415 | S95 P416 | S72N P418 | S80N P418 | S61N P420 | S16N P420 |
| | | | | | | |
| BSPP ENCAPSULATED MALE ORFS FEMALE SWIVEL | BSPT FEMALE FIXED UN O RING MALE | BSPP FEMALE SWIVEL UN O RING MALE | NPT MALE NPT FEMALE FIXED | NPT MALE NPSM FEMALE SWIVEL | NPT MALE JIC FEMALE SWIVEL | NPT FEMALE FIXED JIC MALE |

STRAIGHT MALE X FEMALE CONT'D

| | | | | | | |
|---------------------------------|-----------------------------------|-----------------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------------|
| S96N P423 | S95N P423 | S66F P426 | S66 P426 | S109 P430 | S110 P430 | S101 P431 |
| | | | | | | |
| NPT FEMALE FIXED UN O RING MALE | NPSM FEMALE SWIVEL UN O RING MALE | JIC MALE JIC FEMALE FIXED REDUCER | JIC MALE JIC FEMALE REDUCER | JIC MALE ORFS FEMALE SWIVEL | JIC FEMALE SWIVEL ORFS MALE | JIC FEMALE SWIVEL UN O RING MALE |

STRAIGHT MALE X FEMALE CONT'D

| | | | | | | |
|--|--|-----------------------------|--|--------------------------|--------------------------|--------------------------|
| M71L P437 | M71S P437 | RW721 P461 | RW830 P461 | RW824 P461 | RW822 P461 | RW823 P462 |
| | | | | | | |
| METRIC DKL MALE 24° CONE JIC FEMALE SWIVEL | METRIC DKS MALE 24° CONE JIC FEMALE SWIVEL | RYCO WEO FEMALE BSPP FEMALE | RYCO WEO FEMALE BSPP ENCAPSULATED MALE | RYCO WEO FEMALE JIC MALE | RYCO WEO FEMALE DKL MALE | RYCO WEO FEMALE DKS MALE |

STRAIGHT MALE X FEMALE CONT'D

| | | |
|---|--------------------------------|---|
| RW831 P462 | RW826 P462 | RW860 P461 |
| | | |
| RYCO WEO FEMALE METRIC MALE O RING BOSS | RYCO WEO FEMALE UN O RING MALE | RYCO WEO FEMALE SWIVEL BSPP ENCAPSULATED MALE |

STRAIGHT FEMALE X FEMALE

| | | | | | |
|--------------------|--------------------------------------|---------------------|-------------------------------------|-------------------------|--------------------------|
| S26 P403 | S81 P403 | S26N P418 | S81N P418 | S163 P452 | RW813 P460 |
| | | | | | |
| BSPT FEMALE SOCKET | BSPT FEMALE FIXED BSPP FEMALE SWIVEL | NPT FEMALE SOCKET | NPT FEMALE FIXED NPSM FEMALE SWIVEL | UN O RING FEMALE SOCKET | RYCO WEO FEMALE BULKHEAD |

45° ELBOW MALE X MALE

| | | | | | | |
|-------------------------------|------------------------------|-------------------------------------|------------------------------|------------------------------------|-----------------------------|-----------------------------|
| S45 P405 | S9 P410 | S69 P412 | SA9 P414 | S60 P416 | S9N P421 | SA9N P423 |
| | | | | | | |
| BSPT MALE BSPT MALE 45° ELBOW | BSPT MALE JIC MALE 45° ELBOW | BSPP O RING MALE JIC MALE 45° ELBOW | BSPT MALE SAE MALE 45° ELBOW | BSPT MALE UN O RING MALE 45° ELBOW | NPT MALE JIC MALE 45° ELBOW | NPT MALE SAE MALE 45° ELBOW |

45° ELBOW MALE X MALE CONT'D

| | |
|-----------------------------------|------------------------------------|
| S88 P432 | S123 P439 |
| | |
| JIC MALE UN O RING MALE 45° ELBOW | ORFS MALE UN O RING MALE 45° ELBOW |

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45° ELBOW
MALE X
FEMALE

| S39 P405 | S84 P405 | S39N P419 | S84N P419 | S23 P426 | SA23 P441 |
|---|--|---|---|-------------------------------------|--|
| | | | | | |
| BSPT MALE BSPT FEMALE FIXED 45° ELBOW | BSPT MALE BSPP FEMALE SWIVEL 45° ELBOW | NPT MALE NPT FEMALE FIXED 45° ELBOW | NPT MALE NPSM FEMALE SWIVEL 45° ELBOW | JIC MALE JIC FEMALE 45° ELBOW | SAE MALE SAE FEMALE SWIVEL 45° ELBOW |

45° ELBOW
FEMALE X
FEMALE

| S31 P405 | S31N P419 |
|---|---|
| | |
| BSPT FEMALE FIXED BSPT FEMALE FIXED 45° ELBOW | NPT FEMALE FIXED NPT FEMALE FIXED 45° ELBOW |

45°
TUBE BEND
FEMALE X
FEMALE

| S5 P427 | S138 P430 |
|--|---|
| | |
| JIC MALE JIC FEMALE SWIVEL 45° TUBE BEND | JIC MALE ORFS FEMALE SWIVEL 45° TUBE BEND |

90° ELBOW
MALE X
MALE

| S49 P405 | S77 P406 | S8 P410 | S11 P410 | S76 P412 | S70 P412 | SA8 P414 |
|-------------------------------------|--|------------------------------------|---|---|---|------------------------------------|
| | | | | | | |
| BSPT MALE BSPT MALE 90° ELBOW | BSPT MALE BSPP O RING MALE 90° ELBOW | BSPT MALE JIC MALE 90° ELBOW | BSPT MALE EXTENDED JIC MALE 90° ELBOW | BSPP O RING MALE JIC MALE 90° ELBOW | BSPP O RING MALE EXTENDED JIC MALE 90° ELBOW | BSPT MALE SAE MALE 90° ELBOW |

90° ELBOW
MALE X
MALE
CONT'D

| S89 P416 | S49N P419 | S8N P421 | S11N P421 | S145N P422 | SA8N P423 | S13 P427 |
|--|-----------------------------------|-----------------------------------|--|------------------------------------|-----------------------------------|--|
| | | | | | | |
| BSPT MALE UN O RING MALE 90° ELBOW | NPT MALE NPT MALE 90° ELBOW | NPT MALE JIC MALE 90° ELBOW | NPT MALE EXTENDED JIC MALE 90° ELBOW | NPT MALE ORFS MALE 90° ELBOW | NPT MALE SAE MALE 90° ELBOW | JIC MALE BULKHEAD JIC MALE 90° ELBOW |

90° ELBOW
MALE X
MALE
CONT'D

| S18 P427 | S91 P432 | S12 P433 | M77L P435 | M77S P435 | S117 P438 | S124 P439 |
|-----------------------------------|---|--|--|--|-------------------------------------|--|
| | | | | | | |
| JIC MALE JIC MALE 90° ELBOW | JIC MALE UN O RING MALE 90° ELBOW | JIC MALE UN O RING MALE EXTENDED 90° ELBOW | METRIC DKL MALE BSPP O RING MALE 90° ELBOW | METRIC DKS MALE BSPP O RING MALE 90° ELBOW | ORFS MALE ORFS MALE 90° ELBOW | ORFS MALE UN O RING MALE 90° ELBOW |

90° ELBOW
MALE X
MALE
CONT'D

| SA18 P441 |
|-----------------------------------|
| |
| SAE MALE SAE MALE 90° ELBOW |

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**90° ELBOW
MALE X
FEMALE**

| | | | | | | |
|---|--|---|---|---|---|---|
| S25 P405 | S82 P405 | S105 P406 | S94 P416 | S25N P419 | S82N P419 | S94N P423 |
| | | | | | | |
| BSPT MALE BSPT FEMALE FIXED 90° ELBOW | BSPT MALE BSPP FEMALE SWIVEL 90° ELBOW | BSPP O RING MALE BSPP FEMALE SWIVEL 90° ELBOW | BSPP FEMALE SWIVEL UN O RING MALE 90° ELBOW | NPT MALE NPT FEMALE FIXED 90° ELBOW | NPT MALE NPSM FEMALE SWIVEL 90° ELBOW | NPSM FEMALE SWIVEL UN O RING MALE 90° ELBOW |

**90° ELBOW
MALE X
FEMALE
CONT'D**

| | | | | |
|--|--|--|---|--|
| S15 P427 | S86 P432 | S118 P438 | S125 P439 | SA15 P441 |
| | | | | |
| JIC MALE JIC FEMALE SWIVEL 90° ELBOW | JIC FEMALE SWIVEL UN O RING MALE 90° ELBOW | ORFS MALE ORFS FEMALE SWIVEL 90° ELBOW | ORFS FEMALE SWIVEL UN O RING MALE 90° ELBOW | SAE MALE SAE FEMALE SWIVEL 90° ELBOW |

**90° ELBOW
FEMALE X
FEMALE**

| | | | | | | |
|---|---|--------------------------|--|--|---|--|
| S28 P405 | S28N P419 | 90° TUBE BEND | S4 P427 | S103 P427 | S137 P430 | S154 P438 |
| | | | | | | |
| BSPT FEMALE BSPT FEMALE FIXED 90° ELBOW | NPT FEMALE FIXED NPT FEMALE FIXED 90° ELBOW | | JIC MALE JIC FEMALE SWIVEL 90° TUBE BEND | JIC MALE JIC FEMALE SWIVEL 90° LONG BEND | JIC MALE ORFS FEMALE SWIVEL 90° TUBE BEND | ORFS MALE ORFS FEMALE SWIVEL 90° TUBE BEND |

**TEE
MALE X
MALE**

| | | | | | | |
|-------------------------------------|--|--|-----------------------------------|--|-----------------------------------|--|
| S50 P407 | S104 P408 | S135 P408 | S21 P413 | S78 P413 | S20 P413 | S79 P413 |
| | | | | | | |
| BSPT MALE BSPT MALE BSPT MALE | BSPT MALE BSPP O RING MALE BSPT MALE | BSPT MALE BSPT MALE BSPP O RING MALE | BSPT MALE JIC MALE JIC MALE | BSPP O RING MALE JIC MALE JIC MALE | JIC MALE JIC MALE BSPT MALE | JIC MALE JIC MALE BSPP O RING MALE |

**TEE
MALE X
MALE
CONT'D**

| | | | | | | |
|-----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|--------------------------------------|
| SA20 P414 | S50N P419 | S21N P422 | S20N P422 | SA20N P423 | S19 P428 | S62 P428 |
| | | | | | | |
| SAE MALE SAE MALE BSPT MALE | NPT MALE NPT MALE NPT MALE | NPT MALE JIC MALE JIC MALE | JIC MALE JIC MALE NPT MALE | SAE MALE SAE MALE NPT MALE | JIC MALE JIC MALE JIC MALE | JIC BULKHEAD JIC MALE JIC MALE |

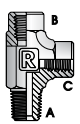
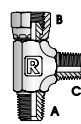
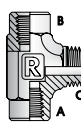
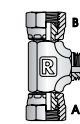
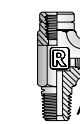
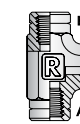

**TEE
MALE X
MALE
CONT'D**

| | | | | | | |
|--------------------------------------|--|--|-------------------------------------|--|--|----------------------------------|
| S63 P428 | S92 P433 | S87 P433 | S119 P439 | S126 P440 | S127 P440 | SA19 P442 |
| | | | | | | |
| JIC MALE JIC MALE JIC BULKHEAD | JIC MALE JIC MALE UN O RING MALE | JIC MALE UN O RING MALE JIC MALE | ORFS MALE ORFS MALE ORFS MALE | ORFS MALE ORFS MALE UN O RING MALE | ORFS MALE UN O RING MALE ORFS MALE | SAE MALE SAE MALE SAE MALE |

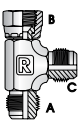
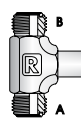

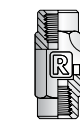


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TEE MALE X FEMALE

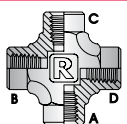
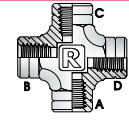
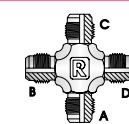
| | | | | | | |
|---|---|---|---|--|---|---|
| S48 P407 | S167 P407 | S47 P407 | S83 P407 | S48N P419 | S47N P419 | S68 P429 |
|  |  |  |  |  |  |  |
| BSPT MALE BSPT FEMALE FIXED BSPT FEMALE FIXED | BSPT MALE BSPP FEMALE SWIVEL BSPT MALE | BSPT FEMALE FIXED BSPT FEMALE FIXED BSPT MALE | BSPP FEMALE SWIVEL BSPP FEMALE SWIVEL BSPT MALE | NPT MALE NPT FEMALE FIXED NPT FEMALE FIXED | NPT FEMALE FIXED NPT FEMALE FIXED NPT MALE | JIC MALE JIC MALE JIC FEMALE SWIVEL |

TEE MALE X FEMALE CONT'D

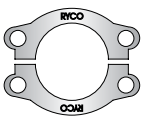
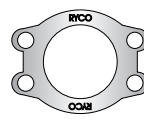
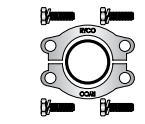
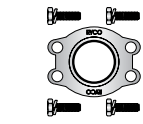
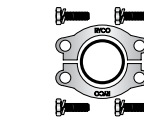
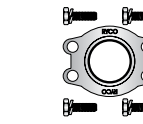
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|---|---|---|--|---|---|
| S67 P429 | S120 P439 | S121 P439 | S29 P408 | S139 P408 | S29N P419 |
|  |  |  |  |  |  |
| JIC MALE JIC FEMALE SWIVEL JIC MALE | ORFS MALE ORFS MALE ORFS FEMALE SWIVEL | ORFS MALE ORFS FEMALE SWIVEL ORFS MALE | BSPT FEMALE FIXED BSPT FEMALE FIXED BSPT FEMALE FIXED | BSPP FEMALE FIXED BSPP FEMALE FIXED BSPP FEMALE FIXED | NPT FEMALE FIXED NPT FEMALE FIXED NPT FEMALE FIXED |

TEE FEMALE X FEMALE

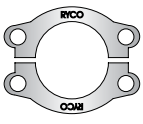
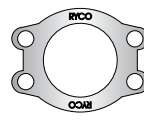
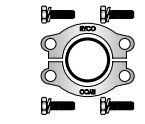
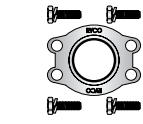
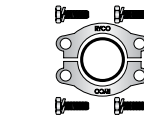
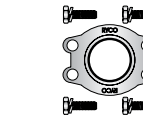
CROSS

| | | |
|---|---|---|
| S32 P408 | S32N P419 | S100 P429 |
|  |  |  |
| BSPT FEMALE FIXED CROSS | NPT FEMALE FIXED CROSS | JIC MALE CROSS |



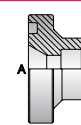
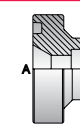
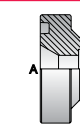
SAE FLANGE CLAMPS & KITS CODE 61

| | | | | | |
|---|---|---|---|--|---|
| S40 P442 | S140 P442 | S40K P442 | S140K P442 | S40M P443 | S140M P443 |
|  |  |  |  |  |  |
| SPLIT FLANGE CLAMPS CODE 61 SUPPLIED IN PAIRS | SOLID FLANGE CLAMP CODE 61 | UNC BOLTS SPLIT FLANGE CLAMP KITS CODE 61 | UNC BOLTS SOLID FLANGE CLAMP KITS CODE 61 | METRIC BOLTS SPLIT FLANGE CLAMP KITS CODE 61 | METRIC BOLTS SOLID FLANGE CLAMP KITS CODE 61 |

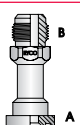



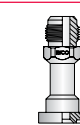


SAE FLANGE CLAMPS & KITS CODE 62

| | | | | | |
|---|---|---|---|--|---|
| S42 P442 | S142 P442 | S42K P442 | S142K P442 | S42M P443 | S142M P443 |
|  |  |  |  |  |  |
| SPLIT FLANGE CLAMPS CODE 62 SUPPLIED IN PAIRS | SOLID FLANGE CLAMP CODE 62 | UNC BOLTS SPLIT FLANGE CLAMP KITS CODE 62 | UNC BOLTS SOLID FLANGE CLAMP KITS CODE 62 | METRIC BOLTS SPLIT FLANGE CLAMP KITS CODE 62 | METRIC BOLTS SOLID FLANGE CLAMP KITS CODE 62 |

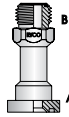

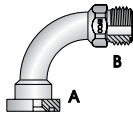
SAE FLANGE PLUG & TUBE WELD

| | | | | |
|---|---|---|---|--|
| S979 P444 | S980 P444 | S981 P444 | S982 P444 | S982C P444 |
|  |  |  |  |  |
| BLANK PLUG CODE 61 | BLANK PLUG CODE 62 | CODE 61 O RING FACE SOCKET WELD | CODE 62 O RING FACE SOCKET WELD | RYCO CODE 62C O RING FACE SOCKET WELD |

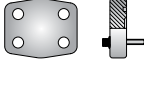
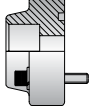
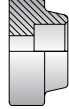
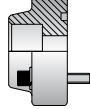
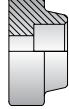
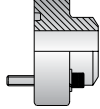
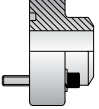
SAE FLANGE JIC ADAPTORS

| | | | | | | |
|---|---|---|---|--|---|---|
| S1 P445 | S3 P445 | S2 P445 | S2L P445 | S1H P445 | S3H P445 | S2H P445 |
|  |  |  |  |  |  |  |
| CODE 61 FLANGE JIC MALE | CODE 61 FLANGE JIC MALE 45° TUBE BEND | CODE 61 FLANGE JIC MALE 90° TUBE BEND | CODE 61 FLANGE JIC MALE 90° LONG BEND | CODE 62 FLANGE JIC MALE | CODE 62 FLANGE JIC MALE 45° TUBE BEND | CODE 62 FLANGE JIC MALE 90° TUBE BEND |

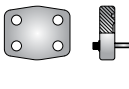
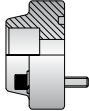
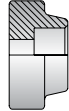
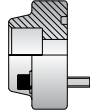
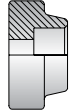
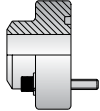
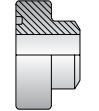
SAE FLANGE ORFS ADAPTORS

| | | |
|---|---|---|
| S147H P446 | S146H P446 | S143H P446 |
|  |  |  |
| CODE 62 FLANGE ORFS MALE | CODE 62 FLANGE ORFS MALE 45° TUBE BEND | CODE 62 FLANGE ORFS MALE 90° TUBE BEND |

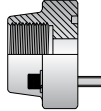

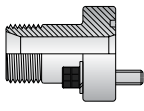
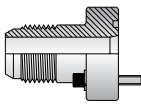
SAE FLANGE BLOCKS CODE 61 BLIND & WELD

| | | | | | | |
|---|---|---|---|---|---|---|
| S967 P447 | S940 P447 | S940F & FM P447 | S970 P448 | S970F & FM P448 | S976 P448 | S976F P448 |
|  |  |  |  |  |  |  |
| CODE 61 FLANGE BLIND | CODE 61 FLANGE SOCKET WELD TUBE | CODE 61 FLANGE FLAT SOCKET WELD TUBE | CODE 61 FLANGE SOCKET WELD PIPE | CODE 61 FLANGE FLAT SOCKET WELD PIPE | CODE 61 FLANGE BUTT WELD PIPE | CODE 61 FLANGE FLAT BUTT WELD PIPE |

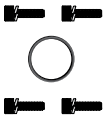
SAE FLANGE BLOCKS CODE 62 BLIND & WELD

| | | | | | | |
|---|---|---|---|---|---|---|
| S968 P447 | S941 P447 | S941F & FM P447 | S971 P448 | S971F & FM P448 | S977 P448 | S977F P448 |
|  |  |  |  |  |  |  |
| CODE 62 FLANGE BLIND | CODE 62 FLANGE SOCKET WELD TUBE | CODE 62 FLANGE FLAT SOCKET WELD TUBE | CODE 62 FLANGE SOCKET WELD PIPE | CODE 62 FLANGE FLAT SOCKET WELD PIPE | CODE 62 FLANGE BUTT WELD PIPE | CODE 62 FLANGE FLAT BUTT WELD PIPE |

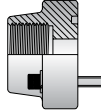

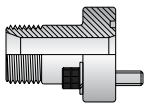
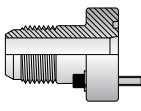
SAE FLANGE BLOCKS CODE 61

| | | | |
|---|---|---|---|
| S951 P449 | S951F & FM P449 | S953 P449 | S957 P450 |
|  |  |  |  |
| CODE 61 FLANGE BSPP FEMALE | CODE 61 FLANGE FLAT BSPP FEMALE | CODE 61 FLANGE BSPP MALE | CODE 61 FLANGE JIC MALE |

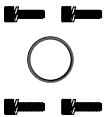
SAE FLANGE BLOCK FASTENING KIT

| |
|---|
| FK61 & M P446 |
|  |
| SUITS SAE FLANGE BLOCKS CODE 61 |

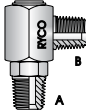
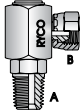

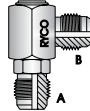
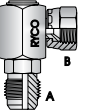
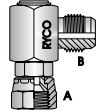
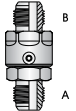
SAE FLANGE BLOCKS CODE 62

| | | | |
|---|---|---|---|
| S952 P449 | S952F & FM P449 | S954 P449 | S958 P450 |
|  |  |  |  |
| CODE 62 FLANGE BSPP FEMALE | CODE 62 FLANGE FLAT BSPP FEMALE | CODE 62 FLANGE BSPP MALE | CODE 62 FLANGE JIC MALE |

SAE FLANGE BLOCK FASTENING KIT

| |
|---|
| FK62 & M P446 |
|  |
| SUITS SAE FLANGE BLOCKS CODE 62 |

SWIVEL JOINTS

| | | | | | | |
|---|---|---|---|---|---|---|
| S37 P450 | S36 P450 | S131 P450 | S33 P450 | S34 P450 | S35 P450 | S189 P451 |
|  |  |  |  |  |  |  |
| BSPT MALE BSPT MALE 90° SWIVEL JOINT | BSPT MALE BSPP FEMALE SWIVEL 90° SWIVEL JOINT | JIC MALE JIC FIXED FEMALE SWIVEL JOINT | JIC MALE JIC MALE 90° SWIVEL JOINT | JIC MALE JIC FEMALE 90° SWIVEL JOINT | JIC FEMALE JIC MALE 90° SWIVEL JOINT | JIC MALE JIC MALE SWIVEL JOINT |

SEAL KITS

| |
|---|
| SJK/RKS P450 |
|  |
| REPLACEMENT SEAL KIT |

ADAPTORS

PICTORIAL INDEX

O RINGS

| ROD-AC P453 | ROD-BP P453 | ROD-DL P453 | ROD-DS P453 | ROD-FS P453 | ROD-SF P454 | ROD-UN P454 |
|--|--------------------------------------|---------------------------------|---------------------------------|-------------------|-------------------------|-------------------------|
| | | | | | | |
| AIR CONDITIONING PILOT FITTING 70 DUROMETER (GREEN HNBR) | BSPP O RING MALE THREAD 90 DUROMETER | DKOL FEMALE METRIC 70 DUROMETER | DKOS FEMALE METRIC 70 DUROMETER | ORFS 90 DUROMETER | SAE FLANGE 90 DUROMETER | UNO THREAD 90 DUROMETER |

O RINGS CONT'D

| ROD-WD/BE P454 | COMPONENTS & ACCESSORIES | | 35B P406 | 36B P406 | 35/37 P429 | MBD P434 | RL21D P406 |
|-----------------------------|--------------------------|--|---------------|---------------------|---------------|--|--|
| | | | | | | | |
| BSPP ENCAPSULATED MALE SEAL | | | BSPP LOCK NUT | BSPP RETAINING RING | JIC LOCK NUT | METRIC METAL BONDED SEAL W/ CENTRALISING LIP | BSPP METAL BONDED SEAL W/ CENTRALISING LIP |

COMPONENTS & ACCESSORIES CONT'D

| BBB P463 | BBM P463 | RL20SH P463 |
|----------------|-------------------|------------------------------------|
| | | |
| BSP BANJO BOLT | METRIC BANJO BOLT | BALL VALVE BSPP FEMALE BSPP FEMALE |

PLASTIC PROTECTORS

| BPD P455 | BCD P455 | JPD P455 | JCD P455 | JCTD P455 | MPD P456 | MCD P456 |
|------------------------------|--------------------------|----------------------------------|-------------------------------|--|--------------------------|-----------------------|
| | | | | | | |
| PLUG SUITS FEMALE BSP & NPSM | CAP SUITS MALE BSP & NPT | PLUG SUITS FEMALE JIC, SAE & UNO | CAP SUITS MALE JIC, SAE & UNO | TEAR OFF CAP SUITS MALE JIC, SAE & UNO | PLUG SUITS FEMALE METRIC | CAP SUITS MALE METRIC |

PLASTIC PROTECTORS CONT'D

| OPD P456 | OCD P456 | FC61D P457 | FC62D P457 | PPD P457 |
|------------------------|---------------------|--------------------------|---------------------------------|---------------------------|
| | | | | |
| PLUG SUITS FEMALE ORFS | CAP SUITS MALE ORFS | SUITS SAE CODE 61 FLANGE | SUITS SAE CODE 62 & R62C FLANGE | SUITS 8000 SERIES FITTING |

TUBE BENDS IMPERIAL OUTSIDE DIAMETER

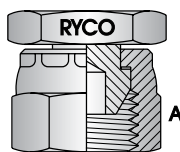
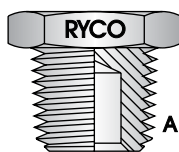
| 14 P458 | 15 P458 | 25 P458 | 25HL P458 | 17 P458 | 16 P458 |
|-----------------|---------------|---------------|---------------------|---------------|-----------------|
| | | | | | |
| 22.5° TUBE BEND | 30° TUBE BEND | 45° TUBE BEND | 45° TUBE BEND HEAVY | 60° TUBE BEND | 67.5° TUBE BEND |

TUBE BENDS IMPERIAL OUTSIDE DIAMETER CONT'D

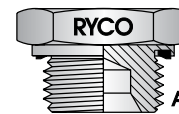
| 24A P459 | 24B P459 | 24 P459 | 24HL P459 | 21 P459 | 91 P459 |
|----------------------------|----------------------------|---------------|---------------------|--------------------|---------------------|
| | | | | | |
| 90° SPECIAL LONG TUBE BEND | 90° SPECIAL LONG TUBE BEND | 90° TUBE BEND | 90° TUBE BEND HEAVY | 90° LONG TUBE BEND | 110° LONG TUBE BEND |

| | | | | |
|------------|------------|------------|-------------|------------|
| BSP | S64 | S59 | BSPP | S73 |
|------------|------------|------------|-------------|------------|

**PLUG
CAP**



**PLUG
SEAL SUPPLIED**



INTRODUCTION

| THREAD A | DASH SIZE | BSPT MALE PLUG | BSPP FEMALE SWIVEL CAP |
|-------------|-----------|-------------------|---------------------------|
| inch | | PART NO | PART NO |
| 1/8 | -02 | S64-02 | S59-02 |
| 1/4 | -04 | S64-04 | S59-04 |
| 3/8 | -06 | S64-06 | S59-06 |
| 1/2 | -08 | S64-08 | S59-08 |
| 3/4 | -12 | S64-12 | S59-12 |
| 1 | -16 | S64-16 | S59-16 |
| 1.1/4 | -20 | S64-20 | S59-20 |
| 1.1/2 | -24 | S64-24 | S59-24 |
| 2 | -32 | S64-32 | S59-32 |

| THREAD A | DASH SIZE | BSPP ENCAPSULATED MALE PLUG |
|-------------|-----------|--------------------------------|
| inch | | PART NO |
| 1/8 | -02 | S73-02 |
| 1/4 | -04 | S73-04 |
| 3/8 | -06 | S73-06 |
| 1/2 | -08 | S73-08 |
| 3/4 | -12 | S73-12 |
| 1 | -16 | S73-16 |
| 1.1/4 | -20 | S73-20 |
| 1.1/2 | -24 | S73-24 |
| 2 | -32 | S73-32 |

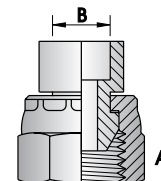
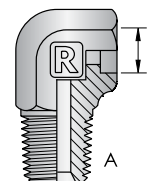
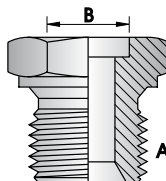
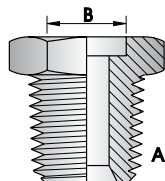
ADAPTORS

COUPLINGS

NOTE: S73 was previously O Ring & Retaining Ring design. Stock of previous design may exist and may be supplied.

| | | | | |
|------------|------------|-------------|------------|------------|
| BSP | S53 | S53P | S54 | S58 |
|------------|------------|-------------|------------|------------|

TUBE WELD



ADAPTORS

| THREAD A | TUBE OD B | DASH SIZE | BSPT MALE TUBE WELD | BSPP MALE TUBE WELD | BSPT MALE TUBE WELD 90° ELBOW | BSPP FEM SWIVEL TUBE WELD |
|-------------|--------------|--------------|------------------------|------------------------|-------------------------------------|------------------------------|
| inch | inch | | PART NO | PART NO | PART NO | PART NO |
| 1/4 | 3/8 | -0406 | S53-0406 | | S54-0406 | S58-0406 |
| 3/8 | 3/8 | -0606 | S53-0606 | | | S58-0606 |
| 3/8 | 1/2 | -0608 | S53-0608 | | S54-0608 | |
| 3/8 | 5/8 | -0610 | | | S54-0610 | |
| 1/2 | 1/2 | -0808 | S53-0808 | S53P-0808 | S54-0808 | S58-0808 |
| 1/2 | 5/8 | -0810 | S53-0810 | S53P-0810 | S54-0810 | |
| 1/2 | 3/4 | -0812 | S53-0812 | | S54-0812 | |
| 3/4 | 3/4 | -1212 | S53-1212 | | S54-1212 | S58-1212 |
| 3/4 | 7/8 | -1214 | S53-1214 | | S54-1214 | |
| 3/4 | 1 | -1216 | S53-1216 | | | |
| 1 | 1 | -1616 | S53-1616 | | S54-1616 | S58-1616 |
| 1 | 1.1/4 | -1620 | S53-1620 | | | |
| 1.1/4 | 1.1/4 | -2020 | S53-2020 | | | S58-2020 |
| 1.1/2 | 1.1/2 | -2424 | S53-2424 | | | S58-2424 |
| 1.1/2 | 1.15/16 | -2431 | S53-2431 | | | |
| 2 | 2 | -3232 | | | | S58-3232 |

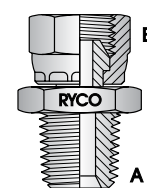
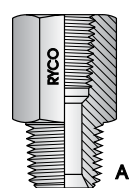
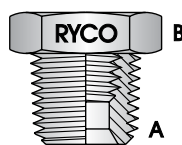
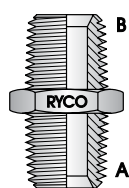
TECHNICAL

ADAPTORS

BSP ADAPTORS

| BSP/BSP | S27 | S24 | S72 | S80 |
|---------|-----|-----|-----|-----|
|---------|-----|-----|-----|-----|

STRAIGHT

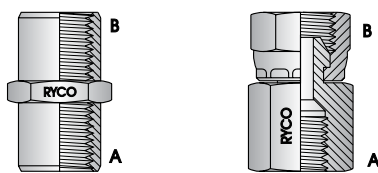


| THREAD | | DASH SIZE | BSPT MALE | BSPT MALE | BSPT MALE | BSPT MALE |
|--------|-------|-----------|------------|-----------|-----------|-----------|
| A | B | | BSPT MALE | BSPT MALE | BSPT MALE | BSPT MALE |
| inch | inch | | PART NO | PART NO | PART NO | PART NO |
| 1/8 | 1/8 | -0202 | S27-0202 | | S72-0202 | S80-0202 |
| 1/8 | 1/4 | -0204 | | | S72-0204 | |
| 1/4 | 1/8 | -0402 | S27-0402 | S24-0402 | | |
| 1/4 | 1/4 | -0404 | S27-0404 | | S72-0404 | S80-0404 |
| 1/4 | 3/8 | -0406 | | | S72-0406 | |
| 3/8 | 1/8 | -0602 | | S24-0602 | | |
| 3/8 | 1/4 | -0604 | S27-0604 | S24-0604 | | |
| 3/8 | 3/8 | -0606 | S27-0606 | | S72-0606 | S80-0606 |
| 3/8 | 1/2 | -0608 | | | S72-0608 | S80-0608 |
| 1/2 | 1/8 | -0802 | | S24-0802 | | |
| 1/2 | 1/4 | -0804 | S27-0804 | S24-0804 | | |
| 1/2 | 3/8 | -0806 | S27-0806 | S24-0806 | | S80-0806 |
| 1/2 | 1/2 | -0808 | S27-0808 | | S72-0808 | S80-0808 |
| 1/2 | 3/4 | -0812 | | | S72-0812 | S80-0812 |
| 5/8 | 1/2 | -1008 | S27-1008 | | | |
| 5/8 | 5/8 | -1010 | S27-1010 | | | |
| 3/4 | 1/4 | -1204 | | S24-1204 | | |
| 3/4 | 3/8 | -1206 | S27-1206 | S24-1206 | | |
| 3/4 | 1/2 | -1208 | S27-1208 | S24-1208 | | |
| 3/4 | 5/8 | -1210 | S27-1210 | | | |
| 3/4 | 3/4 | -1212 | S27-1212 | | S72-1212 | S80-1212 |
| 3/4 | 1 | -1216 | | | | S80-1216 |
| 1 | 3/8 | -1606 | | S24-1606 | | |
| 1 | 1/2 | -1608 | S27-1608 | S24-1608 | | |
| 1 | 3/4 | -1612 | S27-1612 | S24-1612 | | S80-1612 |
| 1 | 1 | -1616 | S27-1616 | | S72-1616 | S80-1616 |
| 1 | 1 | -1616 | S27H-1616* | | | |
| 1.1/4 | 1/2 | -2008 | | S24-2008 | | |
| 1.1/4 | 3/4 | -2012 | S27-2012 | S24-2012 | | |
| 1.1/4 | 1 | -2016 | S27-2016 | S24-2016 | | |
| 1.1/4 | 1.1/4 | -2020 | S27-2020 | | | S80-2020 |
| 1.1/2 | 1/2 | -2408 | | S24-2408 | | |
| 1.1/2 | 3/4 | -2412 | S27-2412 | S24-2412 | | |
| 1.1/2 | 1 | -2416 | S27-2416 | S24-2416 | | |
| 1.1/2 | 1.1/4 | -2420 | S27-2420 | S24-2420 | | |
| 1.1/2 | 1.1/2 | -2424 | S27-2424 | | | |
| 2 | 1 | -3216 | | S24-3216 | | |
| 2 | 1.1/4 | -3220 | S27-3220 | | | |
| 2 | 1.1/2 | -3224 | S27-3224 | S24-3224 | | |
| 2 | 2 | -3232 | S27-3232 | | | |

NOTE: *S27H-1616 Special High Pressure Nipple for Hydraulic Hammer use.

| | | |
|----------------|------------|------------|
| BSP/BSP | S26 | S81 |
|----------------|------------|------------|

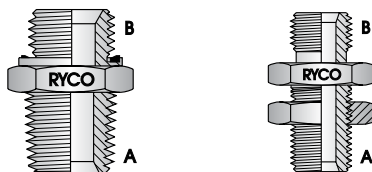
STRAIGHT



| THREAD | | DASH SIZE | BSPT FEMALE SOCKET | BSPT FEMALE FIXED BSPP FEMALE SWIVEL |
|--------|-------|-----------|--------------------|--------------------------------------|
| A | B | | | |
| inch | inch | | PART NO | PART NO |
| 1/8 | 1/8 | -0202 | S26-0202 | |
| 1/4 | 1/4 | -0404 | S26-0404 | S81-0404 |
| 3/8 | 1/4 | -0604 | S26-0604 | |
| 3/8 | 3/8 | -0606 | S26-0606 | S81-0606 |
| 1/2 | 1/4 | -0804 | S26-0804 | |
| 1/2 | 3/8 | -0806 | S26-0806 | S81-0806 |
| 1/2 | 1/2 | -0808 | S26-0808 | S81-0808 |
| 3/4 | 1/4 | -1204 | S26-1204 | |
| 3/4 | 1/2 | -1208 | S26-1208 | |
| 3/4 | 3/4 | -1212 | S26-1212 | S81-1212 |
| 1 | 3/4 | -1612 | S26-1612 | |
| 1 | 1 | -1616 | S26-1616 | S81-1616 |
| 1.1/4 | 1.1/4 | -2020 | S26-2020 | |
| 1.1/2 | 1.1/2 | -2424 | S26-2424 | |
| 2 | 2 | -3232 | S26-3232 | |

| | | |
|-----------------|------------|------------|
| BSP/BSPP | S75 | S44 |
|-----------------|------------|------------|

**STRAIGHT
SEAL SUPPLIED**



| THREAD | | DASH SIZE | BSPT MALE BSPP ENCAPSULATED MALE | BSPP MALE BULKHEAD BSPP MALE |
|--------|-------|-----------|----------------------------------|------------------------------|
| A | B | | | |
| inch | inch | | PART NO | PART NO |
| 1/4 | 1/4 | -0404 | S75-0404 | S44-0404 |
| 1/4 | 3/8 | -0406 | S75-0406 | |
| 1/4 | 1/2 | -0408 | S75-0408 | |
| 3/8 | 1/4 | -0604 | S75-0604 | |
| 3/8 | 3/8 | -0606 | S75-0606 | S44-0606 |
| 3/8 | 1/2 | -0608 | S75-0608 | |
| 1/2 | 1/4 | -0804 | S75-0804 | |
| 1/2 | 3/8 | -0806 | S75-0806 | |
| 1/2 | 1/2 | -0808 | S75-0808 | S44-0808 |
| 1/2 | 5/8 | -0810 | S75-0810 | |
| 1/2 | 3/4 | -0812 | S75-0812 | |
| 3/4 | 1/2 | -1208 | S75-1208 | |
| 3/4 | 3/4 | -1212 | S75-1212 | S44-1212 |
| 3/4 | 1 | -1216 | S75-1216 | |
| 1 | 3/4 | -1612 | S75-1612 | |
| 1 | 1 | -1616 | S75-1616 | S44-1616 |
| 1 | 1.1/4 | -1620 | S75-1620 | |
| 1.1/4 | 1.1/4 | -2020 | S75-2020 | S44-2020 |
| 1.1/2 | 1.1/2 | -2424 | S75-2424 | |
| 2 | 2 | -3232 | S75-3232 | |

NOTE: S75 was previously O Ring & Retaining Ring design. Stock of previous design may exist and may be supplied.

INTRODUCTION

ADAPTORS

COUPLINGS

ADAPTORS

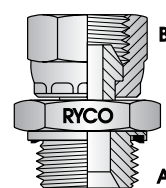
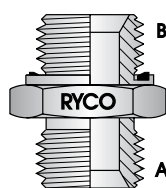
TECHNICAL

ADAPTORS

BSP ADAPTORS

| BSP/BSPP | S46 | S102 | S43 |
|----------|-----|------|-----|
|----------|-----|------|-----|

STRAIGHT
SEAL SUPPLIED

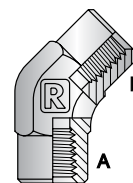
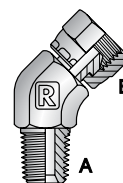
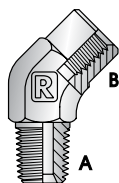
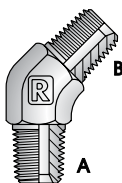


| THREAD | | DASH SIZE | BSPP MALE BSPP ENCAPSULATED MALE | BSPP ENCAPSULATED MALE BSPP FEMALE FIXED REDUCING BUSH | BSPP ENCAPSULATED MALE BSPP FEMALE SWIVEL |
|--------|-------|--------------|--|---|---|
| A | B | | | | |
| inch | inch | | PART NO | PART NO | PART NO |
| 1/8 | 1/8 | -0202 | | | S43-0202 |
| 1/4 | 1/8 | -0402 | | S102-0402 | |
| 1/4 | 1/4 | -0404 | S46-0404 | | S43-0404 |
| 1/4 | 3/8 | -0406 | S46-0406 | | |
| 3/8 | 1/8 | -0602 | | S102-0602 | |
| 3/8 | 1/4 | -0604 | | S102-0604 | |
| 3/8 | 3/8 | -0606 | S46-0606 | | S43-0606 |
| 3/8 | 1/2 | -0608 | S46-0608 | | S43-0608 |
| 1/2 | 1/4 | -0804 | S46-0804 | S102-0804 | |
| 1/2 | 3/8 | -0806 | | S102-0806 | S43-0806 |
| 1/2 | 1/2 | -0808 | S46-0808 | | S43-0808 |
| 1/2 | 3/4 | -0812 | S46-0812 | | |
| 3/4 | 1/4 | -1204 | | S102-1204 | |
| 3/4 | 3/8 | -1206 | | S102-1206 | |
| 3/4 | 1/2 | -1208 | | S102-1208 | |
| 3/4 | 3/4 | -1212 | S46-1212 | | S43-1212 |
| 3/4 | 1 | -1216 | S46-1216 | | |
| 1 | 1/2 | -1608 | | S102-1608 | |
| 1 | 3/4 | -1612 | | S102-1612 | |
| 1 | 1 | -1616 | S46-1616 | | S43-1616 |
| 1.1/4 | 3/4 | -2012 | | S102-2012 | |
| 1.1/4 | 1 | -2016 | | S102-2016 | |
| 1.1/4 | 1.1/4 | -2020 | S46-2020 | | S43-2020 |
| 1.1/4 | 1.1/2 | -2024 | S46-2024 | | |
| 1.1/2 | 1 | -2416 | | S102-2416 | |
| 1.1/2 | 1.1/4 | -2420 | | S102-2420 | |
| 1.1/2 | 1.1/2 | -2424 | S46-2424 | | |
| 2 | 2 | -3232 | S46-3232 | | |

NOTE: S43, S46 & S102 were previously O Ring & Retaining Ring design. Stock of previous design may exist and may be supplied.

| | | | | |
|----------------|------------|------------|------------|------------|
| BSP/BSP | S45 | S39 | S84 | S31 |
|----------------|------------|------------|------------|------------|

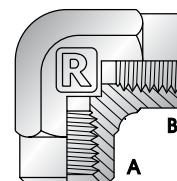
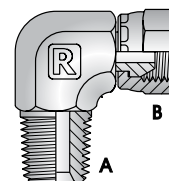
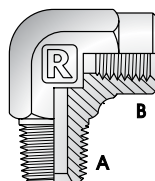
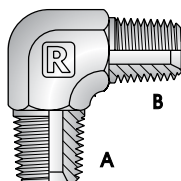
45° ELBOW



| THREAD | | DASH SIZE | BSPT MALE | BSPT MALE | BSPT MALE | BSPT FEMALE FIXED |
|--------|------|-----------|-----------|-------------------|--------------------|-------------------|
| A | B | | BSPT MALE | BSPT FEMALE FIXED | BSPP FEMALE SWIVEL | BSPT FEMALE FIXED |
| | | | 45° ELBOW | 45° ELBOW | 45° ELBOW | 45° ELBOW |
| inch | inch | | PART NO | PART NO | PART NO | PART NO |
| 1/8 | 1/8 | -0202 | | | | S31-0202 |
| 1/4 | 1/4 | -0404 | S45-0404 | S39-0404 | S84-0404 | S31-0404 |
| 1/4 | 3/8 | -0406 | | S39-0406 | | |
| 3/8 | 3/8 | -0606 | S45-0606 | S39-0606 | S84-0606 | S31-0606 |
| 1/2 | 3/8 | -0806 | | | S84-0806 | |
| 1/2 | 1/2 | -0808 | S45-0808 | S39-0808 | S84-0808 | S31-0808 |
| 3/4 | 1/2 | -1208 | S45-1208 | | | |
| 3/4 | 3/4 | -1212 | S45-1212 | S39-1212 | S84-1212 | S31-1212 |
| 1 | 1 | -1616 | S45-1616 | | S84-1616 | S31-1616 |

| | | | | |
|----------------|------------|------------|------------|------------|
| BSP/BSP | S49 | S25 | S82 | S28 |
|----------------|------------|------------|------------|------------|

90° ELBOW



| THREAD | | DASH SIZE | BSPT MALE | BSPT MALE | BSPT MALE | BSPT FEMALE FIXED |
|--------|-------|-----------|-----------|-------------------|--------------------|-------------------|
| A | B | | BSPT MALE | BSPT FEMALE FIXED | BSPP FEMALE SWIVEL | BSPT FEMALE FIXED |
| | | | 90° ELBOW | 90° ELBOW | 90° ELBOW | 90° ELBOW |
| inch | inch | | PART NO | PART NO | PART NO | PART NO |
| 1/8 | 1/8 | -0202 | S49-0202 | S25-0202 | S82-0202 | S28-0202 |
| 1/4 | 1/8 | -0402 | S49-0402 | | | |
| 1/4 | 1/4 | -0404 | S49-0404 | S25-0404 | S82-0404 | S28-0404 |
| 3/8 | 1/4 | -0604 | S49-0604 | S25-0604 | | |
| 3/8 | 3/8 | -0606 | S49-0606 | S25-0606 | S82-0606 | S28-0606 |
| 3/8 | 1/2 | -0608 | | S25-0608 | | |
| 1/2 | 1/4 | -0804 | S49-0804 | | | |
| 1/2 | 3/8 | -0806 | S49-0806 | S25-0806 | S82-0806 | |
| 1/2 | 1/2 | -0808 | S49-0808 | S25-0808 | S82-0808 | S28-0808 |
| 1/2 | 3/4 | -0812 | | S25-0812 | S82-0812 | |
| 3/4 | 1/2 | -1208 | S49-1208 | | | |
| 3/4 | 3/4 | -1212 | S49-1212 | S25-1212 | S82-1212 | S28-1212 |
| 3/4 | 1 | -1216 | | | S82-1216 | |
| 1 | 3/4 | -1612 | S49-1612 | | S82-1612 | |
| 1 | 1 | -1616 | S49-1616 | S25-1616 | S82-1616 | S28-1616 |
| 1.1/4 | 3/4 | -2012 | S49-2012 | | | |
| 1.1/4 | 1 | -2016 | S49-2016 | | | |
| 1.1/4 | 1.1/4 | -2020 | S49-2020 | S25-2020 | | S28-2020 |
| 1.1/2 | 1.1/2 | -2424 | S49-2424 | | | |

INTRODUCTION

ADAPTORS

COUPLINGS

ADAPTORS

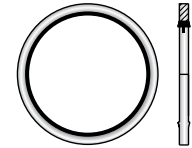
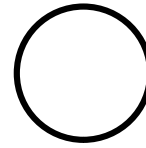
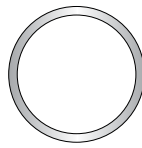
TECHNICAL

ADAPTORS

BSP ADAPTORS

| BSP | 35B | 36B | RO-BP | RL21D |
|-----|-----|-----|-------|-------|
|-----|-----|-----|-------|-------|

LOCK NUT
RETAINING RING
O RING
&
METAL BONDED SEAL
WITH CENTRALISING LIP

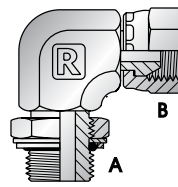
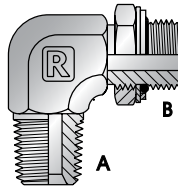


| THREAD/ SEAL SIZE | DASH SIZE | BSP LOCK NUT | BSP RETAINING RING | BSP O RING | BSP METAL BONDED SEAL W/ CENTRALISING LIP | |
|----------------------|--------------|-----------------|-----------------------|---------------|---|----------|
| inch | | PART NO | PART NO | PART NO | PART NO | Pack Qty |
| 1/8 | -02 | 35B-02 | 36B-02 | RO-BP02 | RL21D-02 | 10 |
| 1/4 | -04 | 35B-04 | 36B-04 | RO-BP04 | RL21D-04 | 10 |
| 3/8 | -06 | 35B-06 | 36B-06 | RO-BP06 | RL21D-06 | 10 |
| 1/2 | -08 | 35B-08 | 36B-08 | RO-BP08 | RL21D-08 | 10 |
| 5/8 | -10 | | 36B-10 | RO-BP10 | RL21D-10 | 10 |
| 3/4 | -12 | 35B-12 | 36B-12 | RO-BP12 | RL21D-12 | 10 |
| 7/8 | -14 | | | | RL21D-14 | 10 |
| 1 | -16 | 35B-16 | 36B-16 | RO-BP16 | RL21D-16 | 5 |
| 1.1/4 | -20 | 35B-20 | 36B-20 | RO-BP20 | RL21D-20 | 5 |
| 1.1/2 | -24 | | 36B-24 | RO-BP24 | RL21D-24 | 5 |
| 2 | -32 | | 36B-32 | RO-BP32 | RL21D-32 | 5 |

NOTE: O Rings are sold only in packs of 10. **Example:** Order Part No ROD-BPxx for pack of 10. (D is added after RO).
NOTE for RL21D: bonded seals are sold only in packs of 5 or 10. Part Number Series for individual seal is RL21. **Example:** Order Part No RL21-02 for individual seal. (D is removed from RL21D).

| BSP/BSPP O RING | S77 | S105 |
|-----------------|-----|------|
|-----------------|-----|------|

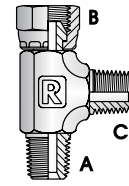
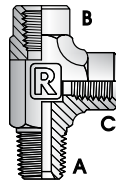
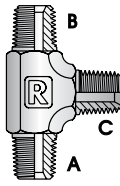
STRAIGHT
90° ELBOW
O RING & RETAINING
RING SUPPLIED



| THREAD | | DASH SIZE | BSPT MALE BSPP O RING MALE 90° ELBOW | BSPP O RING MALE BSPP FEMALE SWIVEL 90° ELBOW |
|--------|-------|--------------|--|---|
| A | B | | | |
| inch | inch | | PART NO | PART NO |
| 1/4 | 1/4 | -0404 | S77-0404 | S105-0404 |
| 1/4 | 3/8 | -0406 | S77-0406 | |
| 3/8 | 3/8 | -0606 | S77-0606 | S105-0606 |
| 3/8 | 1/2 | -0608 | S77-0608 | |
| 1/2 | 3/8 | -0806 | | S105-0806 |
| 1/2 | 1/2 | -0808 | S77-0808 | S105-0808 |
| 1/2 | 3/4 | -0812 | S77-0812 | S105-0812 |
| 3/4 | 1/2 | -1208 | | S105-1208 |
| 3/4 | 3/4 | -1212 | S77-1212 | S105-1212 |
| 3/4 | 1 | -1216 | S77-1216 | S105-1216 |
| 1 | 1 | -1616 | S77-1616 | S105-1616 |
| 1.1/4 | 1.1/4 | -2020 | | S105-2020 |

| | | | |
|----------------|------------|------------|-------------|
| BSP/BSP | S50 | S48 | S167 |
|----------------|------------|------------|-------------|

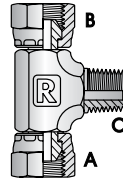
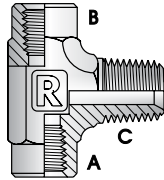
TEE



| THREAD | | | DASH SIZE | BSPT MALE | BSPT MALE | BSPT MALE |
|--------|-------|-------|-----------|------------|-------------------|-------------------|
| A | B | C | | BSPT MALE | BSPT FEMALE FIXED | BSPT FEMALE FIXED |
| inch | inch | inch | | PART NO | PART NO | PART NO |
| 1/8 | 1/8 | 1/8 | -020202 | S50-020202 | S48-020202 | |
| 1/4 | 1/4 | 1/4 | -040404 | S50-040404 | S48-040404 | S167-040404 |
| 3/8 | 3/8 | 3/8 | -060606 | S50-060606 | S48-060606 | S167-060606 |
| 3/8 | 3/8 | 1/2 | -060608 | S50-060608 | | |
| 1/2 | 1/2 | 1/2 | -080808 | S50-080808 | S48-080808 | S167-080808 |
| 1/2 | 1/2 | 3/4 | -080812 | S50-080812 | | |
| 3/4 | 1/2 | 3/4 | -120812 | S50-120812 | | |
| 3/4 | 3/4 | 1/2 | -121208 | S50-121208 | | |
| 3/4 | 3/4 | 3/4 | -121212 | S50-121212 | S48-121212 | S167-121212 |
| 1 | 3/4 | 1 | -161216 | S50-161216 | | |
| 1 | 1 | 1 | -161616 | S50-161616 | S48-161616 | S167-161616 |
| 1.1/4 | 1.1/4 | 1.1/4 | -202020 | S50-202020 | | |

| | | |
|----------------|------------|------------|
| BSP/BSP | S47 | S83 |
|----------------|------------|------------|

TEE



| THREAD | | | DASH SIZE | BSPT FEMALE FIXED | BSPT FEMALE FIXED | BSPT FEMALE FIXED |
|--------|------|------|-----------|-------------------|-------------------|-------------------|
| A | B | C | | BSPT FEMALE FIXED | BSPT FEMALE FIXED | BSPT FEMALE FIXED |
| inch | inch | inch | | PART NO | PART NO | PART NO |
| 1/4 | 1/4 | 1/4 | -040404 | | S83-040404 | |
| 3/8 | 3/8 | 3/8 | -060606 | | S83-060606 | |
| 1/2 | 1/2 | 1/2 | -080808 | S47-080808 | S83-080808 | |
| 3/4 | 3/4 | 3/4 | -121212 | S47-121212 | S83-121212 | |
| 1 | 1 | 1 | -161616 | | S83-161616 | |

INTRODUCTION

ADAPTORS

COUPLINGS

ADAPTORS

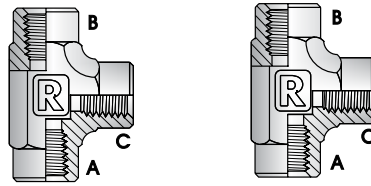
TECHNICAL

ADAPTORS

BSP ADAPTORS

| | | |
|----------------|------------|-------------|
| BSP/BSP | S29 | S139 |
|----------------|------------|-------------|

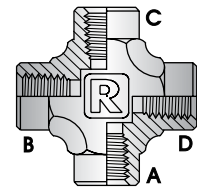
TEE



| THREAD | | | DASH SIZE | BSPT FEMALE FIXED | BSPP FEMALE FIXED |
|--------|-------|-------|-----------|-------------------|-------------------|
| A | B | C | | BSPT FEMALE FIXED | BSPP FEMALE FIXED |
| inch | inch | inch | | PART NO | PART NO |
| 1/8 | 1/8 | 1/8 | -020202 | S29-020202 | |
| 1/4 | 1/4 | 1/4 | -040404 | S29-040404 | S139-040404 |
| 3/8 | 3/8 | 3/8 | -060606 | S29-060606 | |
| 1/2 | 1/2 | 1/2 | -080808 | S29-080808 | |
| 3/4 | 3/4 | 3/4 | -121212 | S29-121212 | |
| 1 | 1 | 1 | -161616 | S29-161616 | |
| 1.1/4 | 1.1/4 | 1.1/4 | -202020 | S29-202020 | |
| 2 | 2 | 2 | -323232 | S29-323232 | S139-323232 |

| | |
|----------------|------------|
| BSP/BSP | S32 |
|----------------|------------|

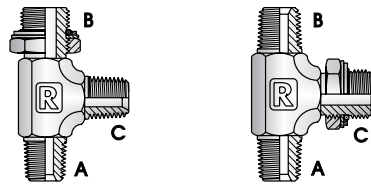
CROSS



| THREAD A, B, C, D | DASH SIZE | BSPT FEMALE FIXED CROSS |
|-------------------|-----------|-------------------------|
| inch | | PART NO |
| 1/4 | -04040404 | S32-04040404 |
| 3/8 | -06060606 | S32-06060606 |
| 1/2 | -08080808 | S32-08080808 |
| 3/4 | -12121212 | S32-12121212 |
| 1 | -16161616 | S32-16161616 |

| | | |
|------------------------|-------------|-------------|
| BSP/BSPP O RING | S104 | S135 |
|------------------------|-------------|-------------|

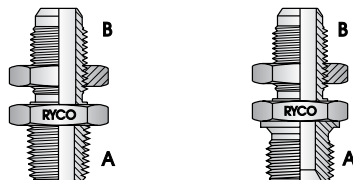
TEE
O RING & RETAINING RING SUPPLIED



| THREAD | | | DASH SIZE | BSPT MALE | BSPT MALE |
|--------|-------|-------|-----------|------------------|------------------|
| A | B | C | | BSPP O RING MALE | BSPP O RING MALE |
| inch | inch | inch | | PART NO | PART NO |
| 1/4 | 1/4 | 1/4 | -040404 | S104-040404 | |
| 1/4 | 3/8 | 1/4 | -040604 | S104-040604 | |
| 3/8 | 3/8 | 3/8 | -060606 | S104-060606 | S135-060606 |
| 1/2 | 1/2 | 1/2 | -080808 | S104-080808 | |
| 3/4 | 3/4 | 3/4 | -121212 | S104-121212 | |
| 1 | 1 | 1 | -161616 | S104-161616 | |
| 1.1/4 | 1.1/4 | 1.1/4 | -202020 | S104-202020 | |

| | | |
|----------------|-------------|--------------|
| BSP/JIC | S130 | S130P |
|----------------|-------------|--------------|

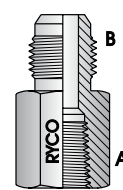
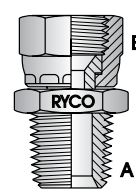
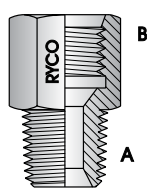
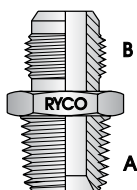
BULKHEAD



| THREAD | | DASH SIZE | BSPTM NO SEAT | BSPP MALE |
|--------|------|-----------|---------------|---------------|
| A | B | | JICM BULKHEAD | JICM BULKHEAD |
| inch | inch | | PART NO | PART NO |
| 3/8 | 9/16 | -0609 | | S130P-0609 |
| 1/2 | 3/4 | -0812 | S130-0812 | S130P-0812 |
| 1/2 | 7/8 | -0814 | | S130P-0814 |

| | | | | |
|----------------|-----------|-------------|------------|------------|
| BSP/JIC | S7 | S128 | S61 | S16 |
|----------------|-----------|-------------|------------|------------|

STRAIGHT



| THREAD | | DASH SIZE | BSPT MALE JIC MALE | BSPT MALE JIC/UN O RING FEMALE FIXED DUAL SEAT | BSPT MALE JIC FEMALE SWIVEL | BSPT FEMALE FIXED JIC MALE |
|--------|--------|-----------|--------------------|--|-----------------------------|----------------------------|
| A | B | | | | | |
| inch | inch | | PART NO | PART NO | PART NO | PART NO |
| 1/8 | 3/8 | -0206 | S7-0206 | | | |
| 1/8 | 7/16 | -0207 | S7-0207 | | | S16-0207 |
| 1/8 | 1/2 | -0208 | S7-0208 | | | |
| 1/8 | 9/16 | -0209 | S7-0209 | | | S16-0209 |
| 1/4 | 7/16 | -0407 | S7-0407 | | S61-0407 | |
| 1/4 | 1/2 | -0408 | S7-0408 | | | |
| 1/4 | 9/16 | -0409 | S7-0409 | | S61-0409 | S16-0409 |
| 1/4 | 3/4 | -0412 | S7-0412 | | | |
| 1/4 | 7/8 | -0414 | | S128-0414 | | |
| 3/8 | 7/16 | -0607 | S7-0607 | | | |
| 3/8 | 1/2 | -0608 | S7-0608 | | | |
| 3/8 | 9/16 | -0609 | S7-0609 | | S61-0609 | |
| 3/8 | 3/4 | -0612 | S7-0612 | | S61-0612 | S16-0612 |
| 3/8 | 7/8 | -0614 | S7-0614 | | S61-0614 | |
| 3/8 | 1.1/16 | -0617 | S7-0617 | | | |
| 1/2 | 7/16 | -0807 | S7-0807 | | | |
| 1/2 | 9/16 | -0809 | S7-0809 | | | S16-0809 |
| 1/2 | 3/4 | -0812 | S7-0812 | S128-0812 | S61-0812 | S16-0812 |
| 1/2 | 7/8 | -0814 | S7-0814 | S128-0814 | S61-0814 | S16-0814 |
| 1/2 | 1.1/16 | -0817 | S7-0817 | | | S16-0817 |
| 1/2 | 1.5/16 | -0821 | S7-0821 | | | |
| 5/8 | 3/4 | -1012 | S7-1012 | | | |
| 3/4 | 9/16 | -1209 | S7-1209 | | | |
| 3/4 | 3/4 | -1212 | S7-1212 | | | |
| 3/4 | 7/8 | -1214 | S7-1214 | | | |
| 3/4 | 1.1/16 | -1217 | S7-1217 | | S61-1217 | S16-1217 |
| 3/4 | 1.3/16 | -1219 | S7-1219 | | | |
| 3/4 | 1.5/16 | -1221 | S7-1221 | | | |
| 1 | 7/8 | -1614 | S7-1614 | | | |
| 1 | 1.1/16 | -1617 | S7-1617 | | | |
| 1 | 1.3/16 | -1619 | S7-1619 | | | |
| 1 | 1.5/16 | -1621 | S7-1621 | | S61-1621 | |
| 1 | 1.5/8 | -1626 | S7-1626 | | | |
| 1.1/4 | 1.1/16 | -2017 | S7-2017 | | | |
| 1.1/4 | 1.5/16 | -2021 | S7-2021 | | | |
| 1.1/4 | 1.5/8 | -2026 | S7-2026 | | | |
| 1.1/2 | 1.5/16 | -2421 | S7-2421 | | | |
| 1.1/2 | 1.5/8 | -2426 | S7-2426 | | S61-2426 | |
| 1.1/2 | 1.7/8 | -2430 | S7-2430 | | | |
| 2 | 2.1/2 | -3240 | S7-3240 | | | |

INTRODUCTION

ADAPTORS

COUPLINGS

ADAPTORS

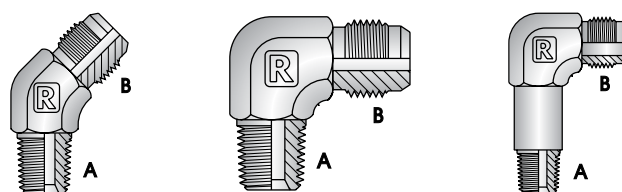
TECHNICAL

ADAPTORS

BSP ADAPTORS

| BSP/JIC | S9 | S8 | S11 |
|---------|----|----|-----|
|---------|----|----|-----|

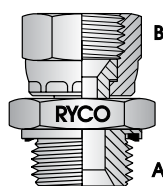
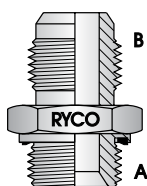
45° ELBOW
90° ELBOW



| THREAD | | DASH SIZE | BSPT MALE | BSPT MALE | BSPT MALE EXT |
|--------|--------|-----------|-----------|-----------|---------------|
| A | B | | JIC MALE | JIC MALE | JIC MALE |
| | | | 45° ELBOW | 90° ELBOW | 90° ELBOW |
| inch | inch | | PART NO | PART NO | PART NO |
| 1/8 | 7/16 | -0207 | S9-0207 | S8-0207 | S11-0207 |
| 1/8 | 1/2 | -0208 | | S8-0208 | |
| 1/8 | 9/16 | -0209 | | S8-0209 | |
| 1/4 | 7/16 | -0407 | S9-0407 | S8-0407 | |
| 1/4 | 1/2 | -0408 | S9-0408 | S8-0408 | |
| 1/4 | 9/16 | -0409 | S9-0409 | S8-0409 | |
| 1/4 | 3/4 | -0412 | S9-0412 | S8-0412 | |
| 3/8 | 7/16 | -0607 | | S8-0607 | |
| 3/8 | 1/2 | -0608 | | S8-0608 | |
| 3/8 | 9/16 | -0609 | S9-0609 | S8-0609 | |
| 3/8 | 3/4 | -0612 | S9-0612 | S8-0612 | |
| 3/8 | 7/8 | -0614 | S9-0614 | S8-0614 | |
| 1/2 | 7/16 | -0807 | | S8-0807 | |
| 1/2 | 9/16 | -0809 | S9-0809 | S8-0809 | |
| 1/2 | 3/4 | -0812 | S9-0812 | S8-0812 | |
| 1/2 | 7/8 | -0814 | S9-0814 | S8-0814 | S11-0814 |
| 1/2 | 1.1/16 | -0817 | S9-0817 | S8-0817 | |
| 5/8 | 7/8 | -1014 | | S8-1014 | |
| 3/4 | 9/16 | -1209 | | S8-1209 | |
| 3/4 | 3/4 | -1212 | | S8-1212 | |
| 3/4 | 7/8 | -1214 | S9-1214 | S8-1214 | |
| 3/4 | 1.1/16 | -1217 | S9-1217 | S8-1217 | |
| 3/4 | 1.3/16 | -1219 | | S8-1219 | |
| 3/4 | 1.5/16 | -1221 | S9-1221 | S8-1221 | |
| 1 | 1.1/16 | -1617 | | S8-1617 | |
| 1 | 1.5/16 | -1621 | S9-1621 | S8-1621 | |
| 1 | 1.5/8 | -1626 | S9-1626 | S8-1626 | |
| 1.1/4 | 1.5/16 | -2021 | | S8-2021 | |
| 1.1/4 | 1.5/8 | -2026 | S9-2026 | S8-2026 | |
| 1.1/2 | 1.7/8 | -2430 | S9-2430 | S8-2430 | |

| | | |
|-----------------|------------|------------|
| BSPP/JIC | S74 | S71 |
|-----------------|------------|------------|

STRAIGHT
SEAL SUPPLIED



| THREAD | | DASH SIZE | BSPP ENCAPSULATED MALE JIC MALE | BSPP ENCAPSULATED MALE JIC FEMALE SWIVEL |
|--------|--------|--------------|---------------------------------------|--|
| A | B | | | |
| inch | inch | | PART NO | PART NO |
| 1/8 | 7/16 | -0207 | S74-0207 | |
| 1/8 | 9/16 | -0209 | S74-0209 | |
| 1/4 | 7/16 | -0407 | S74-0407 | S71-0407 |
| 1/4 | 1/2 | -0408 | S74-0408 | |
| 1/4 | 9/16 | -0409 | S74-0409 | S71-0409 |
| 1/4 | 3/4 | -0412 | S74-0412 | |
| 1/4 | 1.1/16 | -0417 | S74-0417 | |
| 3/8 | 7/16 | -0607 | S74-0607 | |
| 3/8 | 9/16 | -0609 | S74-0609 | S71-0609 |
| 3/8 | 3/4 | -0612 | S74-0612 | S71-0612 |
| 3/8 | 7/8 | -0614 | S74-0614 | S71-0614 |
| 3/8 | 1.1/16 | -0617 | S74-0617 | |
| 1/2 | 7/16 | -0807 | S74-0807 | |
| 1/2 | 1/2 | -0808 | | S71-0808 |
| 1/2 | 9/16 | -0809 | S74-0809 | |
| 1/2 | 3/4 | -0812 | S74-0812 | S71-0812 |
| 1/2 | 7/8 | -0814 | S74-0814 | S71-0814 |
| 1/2 | 1.1/16 | -0817 | S74-0817 | |
| 3/4 | 9/16 | -1209 | S74-1209 | |
| 3/4 | 3/4 | -1212 | S74-1212 | |
| 3/4 | 7/8 | -1214 | S74-1214 | S71-1214 |
| 3/4 | 1.1/16 | -1217 | S74-1217 | S71-1217 |
| 3/4 | 1.5/16 | -1221 | S74-1221 | |
| 3/4 | 1.5/8 | -1226 | S74-1226 | |
| 1 | 1.1/16 | -1617 | S74-1617 | S71-1617 |
| 1 | 1.5/16 | -1621 | S74-1621 | S71-1621 |
| 1 | 1.5/8 | -1626 | S74-1626 | |
| 1.1/4 | 1.1/16 | -2017 | S74-2017 | |
| 1.1/4 | 1.5/16 | -2021 | S74-2021 | S71-2021 |
| 1.1/4 | 1.5/8 | -2026 | S74-2026 | |
| 1.1/2 | 1.1/16 | -2417 | S74-2417 | |
| 1.1/2 | 1.5/16 | -2421 | S74-2421 | |
| 1.1/2 | 1.5/8 | -2426 | S74-2426 | |
| 1.1/2 | 1.7/8 | -2430 | S74-2430 | |
| 2 | 1.5/16 | -3221 | S74-3221 | |

NOTE: S71 and S74 were previously O Ring & Retaining Ring design. Stock of previous design may exist and may be supplied.

INTRODUCTION

ADAPTORS

COUPLINGS

ADAPTORS

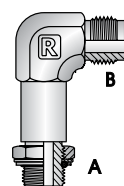
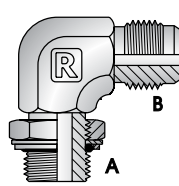
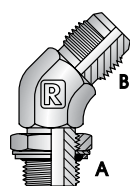
TECHNICAL

ADAPTORS

BSP ADAPTORS

| BSP O RING/JIC | S69 | S76 | S70 |
|----------------|-----|-----|-----|
|----------------|-----|-----|-----|

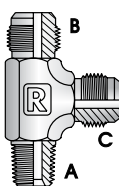
45° ELBOW
90° ELBOW
O RING & RETAINING
RING SUPPLIED



| THREAD | | DASH SIZE | BSP O RING MALE JIC MALE 45° ELBOW | BSP O RING MALE JIC MALE 90° ELBOW | BSP O RING MALE EXT JIC MALE 90° ELBOW |
|--------|--------|--------------|--|--|--|
| A | B | | | | |
| inch | inch | | PART NO | PART NO | PART NO |
| 1/8 | 7/16 | -0207 | | S76-0207 | |
| 1/8 | 9/16 | -0209 | | S76-0209 | |
| 1/4 | 7/16 | -0407 | | S76-0407 | |
| 1/4 | 1/2 | -0408 | | S76-0408 | |
| 1/4 | 9/16 | -0409 | S69-0409 | S76-0409 | |
| 1/4 | 3/4 | -0412 | | S76-0412 | |
| 3/8 | 7/16 | -0607 | | S76-0607 | |
| 3/8 | 9/16 | -0609 | | S76-0609 | S70-0609 |
| 3/8 | 3/4 | -0612 | | S76-0612 | S70-0612 |
| 3/8 | 7/8 | -0614 | | S76-0614 | |
| 1/2 | 1/2 | -0808 | | S76-0808 | |
| 1/2 | 9/16 | -0809 | S69-0809 | S76-0809 | |
| 1/2 | 3/4 | -0812 | S69-0812 | S76-0812 | S70-0812 |
| 1/2 | 7/8 | -0814 | S69-0814 | S76-0814 | S70-0814 |
| 1/2 | 1.1/16 | -0817 | | S76-0817 | |
| 3/4 | 9/16 | -1209 | | S76-1209 | |
| 3/4 | 3/4 | -1212 | | S76-1212 | |
| 3/4 | 7/8 | -1214 | | S76-1214 | |
| 3/4 | 1.1/16 | -1217 | | S76-1217 | S70-1217 |
| 3/4 | 1.5/16 | -1221 | | S76-1221 | |
| 1 | 1.1/16 | -1617 | | S76-1617 | |
| 1 | 1.5/16 | -1621 | S69-1621 | S76-1621 | S70-1621 |
| 1.1/4 | 1.5/16 | -2021 | | S76-2021 | |
| 1.1/4 | 1.5/8 | -2026 | | S76-2026 | |

BSP/JIC S21

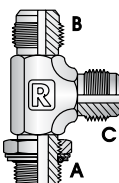
TEE



| THREAD | | | DASH SIZE | BSPT MALE JIC MALE JIC MALE |
|--------|--------|--------|-----------|-----------------------------------|
| A | B | C | | |
| inch | inch | inch | | PART NO |
| 1/8 | 7/16 | 7/16 | -020707 | S21-020707 |
| 1/4 | 7/16 | 7/16 | -040707 | S21-040707 |
| 1/4 | 9/16 | 9/16 | -040909 | S21-040909 |
| 3/8 | 9/16 | 9/16 | -060909 | S21-060909 |
| 3/8 | 9/16 | 3/4 | -060912 | S21-060912 |
| 3/8 | 3/4 | 3/4 | -061212 | S21-061212 |
| 1/2 | 3/4 | 3/4 | -081212 | S21-081212 |
| 1/2 | 7/8 | 7/8 | -081414 | S21-081414 |
| 1/2 | 1.1/16 | 1.1/16 | -081717 | S21-081717 |
| 3/4 | 1.1/16 | 1.1/16 | -121717 | S21-121717 |
| 1 | 1.1/16 | 1.1/16 | -161717 | S21-161717 |
| 1 | 1.5/16 | 1.5/16 | -162121 | S21-162121 |

BSPP O RING/JIC S78

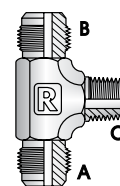
TEE
O RING & RETAINING RING SUPPLIED



| THREAD | | | DASH SIZE | BSPP O RING MALE JIC MALE JIC MALE |
|--------|--------|--------|-----------|--|
| A | B | C | | |
| inch | inch | inch | | PART NO |
| 1/4 | 7/16 | 7/16 | -040707 | S78-040707 |
| 1/4 | 9/16 | 9/16 | -040909 | S78-040909 |
| 1/4 | 3/4 | 3/4 | -041212 | S78-041212 |
| 3/8 | 9/16 | 9/16 | -060909 | S78-060909 |
| 3/8 | 3/4 | 3/4 | -061212 | S78-061212 |
| 1/2 | 3/4 | 3/4 | -081212 | S78-081212 |
| 1/2 | 7/8 | 7/8 | -081414 | S78-081414 |
| 1/2 | 1.1/16 | 1.1/16 | -081717 | S78-081717 |
| 3/4 | 3/4 | 3/4 | -121212 | S78-121212 |
| 3/4 | 1.1/16 | 1.1/16 | -121717 | S78-121717 |
| 1 | 1.5/16 | 1.5/16 | -162121 | S78-162121 |
| 1.1/4 | 1.1/16 | 1.1/16 | -201717 | S78-201717 |
| 1.1/4 | 1.5/8 | 1.5/8 | -202626 | S78-202626 |

BSP/JIC S20

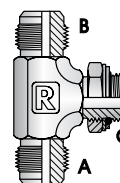
TEE



| THREAD | | | DASH SIZE | JIC MALE JIC MALE BSPT MALE |
|--------|--------|-------|-----------|-----------------------------------|
| A | B | C | | |
| inch | inch | inch | | PART NO |
| 7/16 | 7/16 | 1/8 | -070702 | S20-070702 |
| 7/16 | 7/16 | 1/4 | -070704 | S20-070704 |
| 1/2 | 1/2 | 1/4 | -080804 | S20-080804 |
| 1/2 | 1/2 | 1/2 | -080808 | S20-080808 |
| 9/16 | 9/16 | 1/4 | -090904 | S20-090904 |
| 3/4 | 3/4 | 3/8 | -121206 | S20-121206 |
| 3/4 | 3/4 | 1/2 | -121208 | S20-121208 |
| 3/4 | 1.1/16 | 1/2 | -121708 | S20-121708 |
| 7/8 | 7/8 | 3/8 | -141406 | S20-141406 |
| 7/8 | 7/8 | 1/2 | -141408 | S20-141408 |
| 1.1/16 | 1.1/16 | 3/4 | -171712 | S20-171712 |
| 1.1/16 | 1.1/16 | 1 | -171716 | S20-171716 |
| 1.5/16 | 1.5/16 | 3/4 | -212112 | S20-212112 |
| 1.5/8 | 1.5/8 | 1.1/4 | -262620 | S20-262620 |

BSPP O RING/JIC S79

TEE
O RING & RETAINING RING SUPPLIED



| THREAD | | | DASH SIZE | JIC MALE JIC MALE BSPP O RING MALE |
|--------|--------|-------|-----------|--|
| A | B | C | | |
| inch | inch | inch | | PART NO |
| 7/16 | 7/16 | 1/4 | -070704 | S79-070704 |
| 9/16 | 9/16 | 1/4 | -090904 | S79-090904 |
| 9/16 | 9/16 | 3/8 | -090906 | S79-090906 |
| 3/4 | 3/4 | 3/8 | -121206 | S79-121206 |
| 3/4 | 3/4 | 1/2 | -121208 | S79-121208 |
| 7/8 | 7/8 | 1/2 | -141408 | S79-141408 |
| 7/8 | 7/8 | 3/4 | -141412 | S79-141412 |
| 1.1/16 | 1.1/16 | 3/4 | -171712 | S79-171712 |
| 1.5/16 | 1.5/16 | 3/4 | -212112 | S79-212112 |
| 1.5/16 | 1.5/16 | 1 | -212116 | S79-212116 |
| 1.5/8 | 1.5/8 | 1.1/4 | -262620 | S79-262620 |

INTRODUCTION

ADAPTORS

COUPLINGS

ADAPTORS

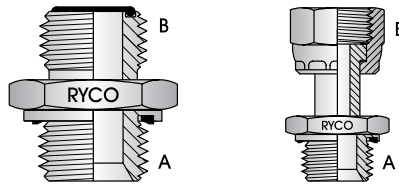
TECHNICAL

ADAPTORS

BSP ADAPTORS

| | | |
|------------------|-------------|-------------|
| BSPP/ORFS | S180 | S181 |
|------------------|-------------|-------------|

**STRAIGHT
SEAL SUPPLIED**

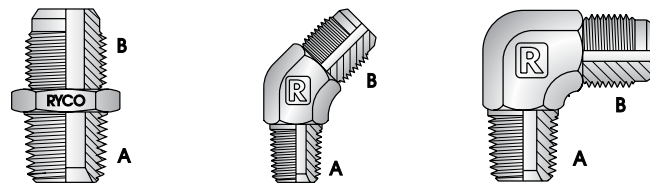


| THREAD | | DASH SIZE | BSPP MALE ORFS MALE | BSPP MALE ORFS FEMALE SWIVEL |
|--------|--------|-----------|------------------------|---------------------------------|
| A | B | | | |
| inch | inch | | PART NO | PART NO |
| 1/4 | 11/16 | -0411 | S180-0411 | S181-0411 |
| 3/8 | 11/16 | -0611 | S180-0611 | S181-0611 |
| 3/8 | 13/16 | -0613 | S180-0613 | S181-0613 |
| 1/2 | 13/16 | -0813 | S180-0813 | S181-0813 |
| 3/4 | 1.3/16 | -1219 | S180-1219 | |

NOTE: S180 and S181 were previously O Ring & Retaining Ring design. Stock of previous design may exist and may be supplied.

| | | | |
|----------------|------------|------------|------------|
| BSP/SAE | SA7 | SA9 | SA8 |
|----------------|------------|------------|------------|

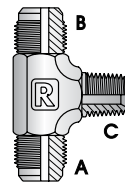
**STRAIGHT
45° ELBOW
90° ELBOW**



| THREAD | | DASH SIZE | BSPT MALE SAE MALE | BSPT MALE SAE MALE 45° ELBOW | BSPT MALE SAE MALE 90° ELBOW |
|--------|--------|-----------|-----------------------|------------------------------------|------------------------------------|
| A | B | | | | |
| inch | inch | | PART NO | PART NO | PART NO |
| 1/8 | 3/8 | -0206 | | | SA8-0206 |
| 1/8 | 5/8 | -0210 | | | SA8-0210 |
| 1/4 | 5/8 | -0410 | SA7-0410 | SA9-0410 | SA8-0410 |
| 3/8 | 5/8 | -0610 | SA7-0610 | SA9-0610 | SA8-0610 |
| 3/4 | 1.1/16 | -1217 | SA7-1217 | | SA8-1217 |

| | |
|----------------|-------------|
| BSP/SAE | SA20 |
|----------------|-------------|

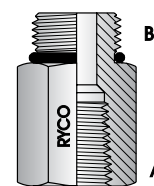
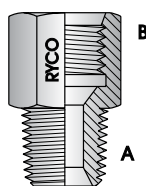
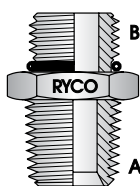
TEE



| THREAD | | | DASH SIZE | SAE MALE SAE MALE BSPT MALE |
|--------|------|------|-----------|-----------------------------------|
| A | B | C | | |
| inch | inch | inch | | PART NO |
| 3/4 | 3/4 | 3/8 | -121206 | SA20-121206 |

| | | | | |
|----------------|------------|-------------|------------|------------|
| BSP/UNO | S93 | S128 | S85 | S96 |
|----------------|------------|-------------|------------|------------|

**STRAIGHT
O RING SUPPLIED**



INTRODUCTION

| THREAD | | DASH SIZE | BSPT MALE UN O RING MALE | BSPT MALE JIC/UN O RING FEMALE FIXED DUAL SEAT | BSPT FEMALE FIXED UN O RING MALE REDUCING BUSH | BSPT FEMALE FIXED UN O RING MALE |
|--------|--------|-----------|--------------------------|--|--|----------------------------------|
| A | B | | | | | |
| inch | inch | | PART NO | PART NO | PART NO | PART NO |
| 1/8 | 9/16 | -0209 | | | S85-0209 | |
| 1/8 | 3/4 | -0212 | | | S85-0212 | |
| 1/8 | 7/8 | -0214 | | | S85-0214 | |
| 1/4 | 9/16 | -0409 | S93-0409 | | | S96-0409 |
| 1/4 | 3/4 | -0412 | S93-0412 | | S85-0412 | |
| 1/4 | 7/8 | -0414 | S93-0414 | S128-0414 | S85-0414 | |
| 1/4 | 1.1/16 | -0417 | | | S85-0417 | |
| 1/4 | 1.5/16 | -0421 | | | S85-0421 | |
| 3/8 | 9/16 | -0609 | S93-0609 | | | |
| 3/8 | 3/4 | -0612 | S93-0612 | | | S96-0612 |
| 3/8 | 7/8 | -0614 | S93-0614 | | S85-0614 | S96-0614 |
| 3/8 | 1.1/16 | -0617 | S93-0617 | | S85-0617 | |
| 3/8 | 1.5/16 | -0621 | | | S85-0621 | |
| 1/2 | 9/16 | -0809 | S93-0809 | | | |
| 1/2 | 3/4 | -0812 | S93-0812 | S128-0812 | | S96-0812 |
| 1/2 | 7/8 | -0814 | S93-0814 | S128-0814 | S85-0814 | S96-0814 |
| 1/2 | 1.1/16 | -0817 | S93-0817 | | S85-0817 | |
| 1/2 | 1.5/16 | -0821 | | | S85-0821 | |
| 1/2 | 1.5/8 | -0826 | | | S85-0826 | |
| 5/8 | 7/8 | -1014 | S93-1014 | | | |
| 5/8 | 1.1/16 | -1017 | S93-1017 | | | |
| 3/4 | 3/4 | -1212 | S93-1212 | | | |
| 3/4 | 7/8 | -1214 | S93-1214 | | | |
| 3/4 | 1.1/16 | -1217 | S93-1217 | | | |
| 3/4 | 1.5/16 | -1221 | S93-1221 | | S85-1221 | |
| 3/4 | 1.5/8 | -1226 | | | S85-1226 | |
| 1 | 1.1/16 | -1617 | S93-1617 | | | |
| 1 | 1.5/16 | -1621 | S93-1621 | | | |
| 1 | 1.5/8 | -1626 | S93-1626 | | S85-1626 | |
| 1.1/4 | 1.5/16 | -2021 | S93-2021 | | | |
| 1.1/4 | 1.5/8 | -2026 | S93-2026 | | | |
| 1.1/2 | 1.5/8 | -2426 | S93-2426 | | | |
| 1.1/2 | 1.7/8 | -2430 | S93-2430 | | | |

ADAPTORS

COUPLINGS

ADAPTORS

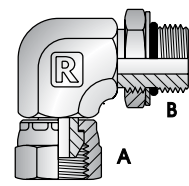
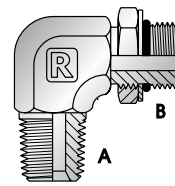
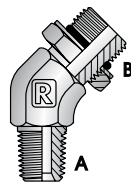
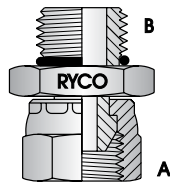
TECHNICAL

ADAPTORS

BSP ADAPTORS

| BSP/UNO | S95 | S60 | S89 | S94 |
|---------|-----|-----|-----|-----|
|---------|-----|-----|-----|-----|

STRAIGHT
45° ELBOW
90° ELBOW
O RING SUPPLIED



| THREAD | | DASH SIZE | BSPP FEMALE SWIVEL UN O RING MALE | BSPT MALE UN O RING MALE 45° ELBOW | BSPT MALE UN O RING MALE 90° ELBOW | BSPP FEMALE SWIVEL UN O RING MALE 90° ELBOW |
|--------|--------|-----------|--------------------------------------|--|--|---|
| A | B | | | | | |
| inch | inch | | PART NO | PART NO | PART NO | PART NO |
| 1/8 | 7/16 | -0207 | | | | S94-0207 |
| 1/4 | 9/16 | -0409 | S95-0409 | S60-0409 | S89-0409 | S94-0409 |
| 1/4 | 3/4 | -0412 | | | S89-0412 | |
| 1/4 | 7/8 | -0414 | | | | |
| 3/8 | 9/16 | -0609 | | | S89-0609 | |
| 3/8 | 3/4 | -0612 | S95-0612 | S60-0612 | S89-0612 | S94-0612 |
| 3/8 | 7/8 | -0614 | S95-0614 | S60-0614 | S89-0614 | |
| 3/8 | 1.1/16 | -0617 | | | | |
| 1/2 | 3/4 | -0812 | S95-0812 | S60-0812 | S89-0812 | S94-0812 |
| 1/2 | 7/8 | -0814 | S95-0814 | S60-0814 | S89-0814 | S94-0814 |
| 1/2 | 1.1/16 | -0817 | | S60-0817 | S89-0817 | |
| 3/4 | 3/4 | -1212 | | | S89-1212 | |
| 3/4 | 7/8 | -1214 | S95-1214 | | S89-1214 | |
| 3/4 | 1.1/16 | -1217 | S95-1217 | S60-1217 | S89-1217 | S94-1217 |
| 3/4 | 1.5/16 | -1221 | | | | |
| 1 | 1.5/16 | -1621 | S95-1621 | S60-1621 | S89-1621 | S94-1621 |
| 1 | 1.5/8 | -1626 | | | S89-1626 | |
| 1.1/4 | 1.5/8 | -2026 | | | S89-2026 | S94-2026 |

NPT **S64N**

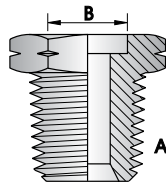
PLUG



| THREAD A | DASH SIZE | NPT MALE PLUG |
|----------|-----------|----------------|
| inch | | PART NO |
| 1/8 | -02 | S64N-02 |
| 1/4 | -04 | S64N-04 |
| 3/8 | -06 | S64N-06 |
| 1/2 | -08 | S64N-08 |
| 3/4 | -12 | S64N-12 |
| 1 | -16 | S64N-16 |
| 1.1/4 | -20 | S64N-20 |
| 1.1/2 | -24 | S64N-24 |
| 2 | -32 | S64N-32 |

NPT **S53N**

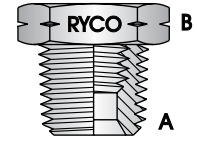
TUBE WELD



| THREAD A | TUBE OD A | DASH SIZE | NPT MALE TUBE WELD |
|----------|-----------|-----------|--------------------|
| inch | inch | | PART NO |
| 3/8 | 1/2 | -0608 | S53N-0608 |
| 3/4 | 3/4 | -1212 | S53N-1212 |

NPT/NPT **S24N**

REDUCING BUSH



| THREAD | | DASH SIZE | NPT MALE NPT FEMALE FIXED REDUCING BUSH |
|--------|-------|-----------|---|
| A | B | | |
| inch | inch | | PART NO |
| 1/4 | 1/8 | -0402 | S24N-0402 |
| 3/8 | 1/8 | -0602 | S24N-0602 |
| 3/8 | 1/4 | -0604 | S24N-0604 |
| 1/2 | 1/8 | -0802 | S24N-0802 |
| 1/2 | 1/4 | -0804 | S24N-0804 |
| 1/2 | 3/8 | -0806 | S24N-0806 |
| 3/4 | 1/8 | -1202 | S24N-1202 |
| 3/4 | 1/4 | -1204 | S24N-1204 |
| 3/4 | 3/8 | -1206 | S24N-1206 |
| 3/4 | 1/2 | -1208 | S24N-1208 |
| 1 | 3/8 | -1606 | S24N-1606 |
| 1 | 1/2 | -1608 | S24N-1608 |
| 1 | 3/4 | -1612 | S24N-1612 |
| 1.1/4 | 1/2 | -2008 | S24N-2008 |
| 1.1/4 | 3/4 | -2012 | S24N-2012 |
| 1.1/4 | 1 | -2016 | S24N-2016 |
| 1.1/2 | 1/2 | -2408 | S24N-2408 |
| 1.1/2 | 1 | -2416 | S24N-2416 |
| 1.1/2 | 1.1/4 | -2420 | S24N-2420 |
| 2 | 1.1/2 | -3224 | S24N-3224 |

INTRODUCTION

ADAPTORS

COUPLINGS

ADAPTORS

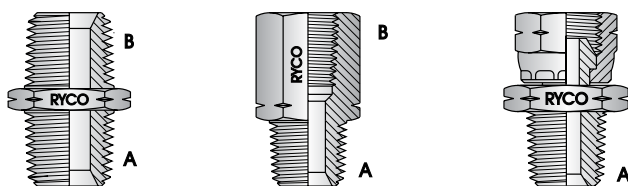
TECHNICAL

ADAPTORS

NPT ADAPTORS

| NPT/NPT | S27N | S72N | S80N |
|---------|------|------|------|
|---------|------|------|------|

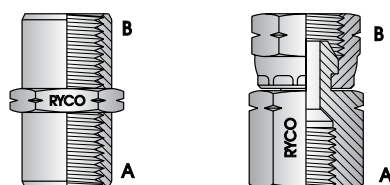
STRAIGHT



| THREAD | | DASH SIZE | NPT MALE | NPT MALE | NPT MALE |
|--------|-------|-----------|-----------------|------------------|--------------------|
| A | B | | NPT MALE NIPPLE | NPT FEMALE FIXED | NPSM FEMALE SWIVEL |
| inch | inch | | PART NO | PART NO | PART NO |
| 1/8 | 1/8 | -0202 | S27N-0202 | S72N-0202 | S80N-0202 |
| 1/8 | 1/4 | -0204 | | S72N-0204 | |
| 1/4 | 1/8 | -0402 | S27N-0402 | | |
| 1/4 | 1/4 | -0404 | S27N-0404 | S72N-0404 | S80N-0404 |
| 1/4 | 3/8 | -0406 | | S72N-0406 | |
| 3/8 | 1/4 | -0604 | S27N-0604 | | |
| 3/8 | 3/8 | -0606 | S27N-0606 | S72N-0606 | S80N-0606 |
| 3/8 | 1/2 | -0608 | | S72N-0608 | S80N-0608 |
| 1/2 | 1/4 | -0804 | S27N-0804 | | |
| 1/2 | 3/8 | -0806 | S27N-0806 | | |
| 1/2 | 1/2 | -0808 | S27N-0808 | S72N-0808 | S80N-0808 |
| 1/2 | 3/4 | -0812 | | S72N-0812 | |
| 3/4 | 1/2 | -1208 | S27N-1208 | | |
| 3/4 | 3/4 | -1212 | S27N-1212 | S72N-1212 | S80N-1212 |
| 1 | 3/4 | -1612 | S27N-1612 | | |
| 1 | 1 | -1616 | S27N-1616 | S72N-1616 | S80N-1616 |
| 1.1/4 | 1 | -2016 | S27N-2016 | | |
| 1.1/4 | 1.1/4 | -2020 | S27N-2020 | | S80N-2020 |
| 1.1/2 | 3/4 | -2412 | S27N-2412 | | |
| 1.1/2 | 1.1/2 | -2424 | S27N-2424 | | |
| 2 | 1.1/2 | -3224 | S27N-3224 | | |
| 2 | 2 | -3232 | | | S80N-3232 |

| NPT/NPT | S26N | S81N |
|---------|------|------|
|---------|------|------|

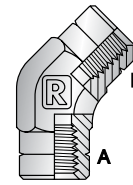
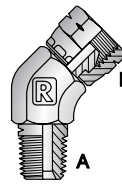
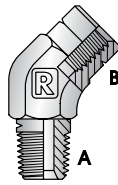
STRAIGHT



| THREAD | | DASH SIZE | NPT FEMALE | NPT FEMALE FIXED |
|--------|-------|-----------|------------|--------------------|
| A | B | | SOCKET | NPSM FEMALE SWIVEL |
| inch | inch | | PART NO | PART NO |
| 1/8 | 1/8 | -0202 | S26N-0202 | S81N-0202 |
| 1/4 | 1/4 | -0404 | S26N-0404 | S81N-0404 |
| 3/8 | 3/8 | -0606 | S26N-0606 | S81N-0606 |
| 1/2 | 1/2 | -0808 | S26N-0808 | S81N-0808 |
| 3/4 | 3/4 | -1212 | S26N-1212 | S81N-1212 |
| 1 | 1 | -1616 | S26N-1616 | S81N-1616 |
| 1.1/4 | 1.1/4 | -2020 | | S81N-2020 |
| 2 | 2 | -3232 | S26N-3232 | |

| | | | |
|----------------|-------------|-------------|-------------|
| NPT/NPT | S39N | S84N | S31N |
|----------------|-------------|-------------|-------------|

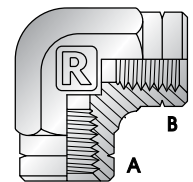
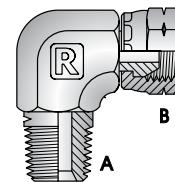
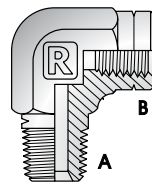
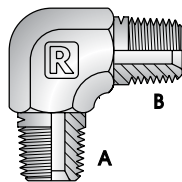
45° ELBOW



| THREAD | | DASH SIZE | NPT MALE NPT FEMALE FIXED 45° ELBOW | NPT MALE NPSM FEMALE SWIVEL 45° ELBOW | NPT FEMALE FIXED NPT FEMALE FIXED 45° ELBOW |
|--------|-------|-----------|---|---|---|
| A | B | | PART NO | PART NO | PART NO |
| 1/8 | 1/8 | -0202 | S39N-0202 | | S31N-0202 |
| 1/4 | 1/4 | -0404 | S39N-0404 | S84N-0404 | |
| 3/8 | 3/8 | -0606 | | S84N-0606 | |
| 1/2 | 3/8 | -0806 | | S84N-0806 | |
| 1/2 | 1/2 | -0808 | | S84N-0808 | |
| 1 | 1 | -1616 | | S84N-1616 | |
| 1.1/4 | 1.1/4 | -2020 | | S84N-2020 | |

| | | | | |
|----------------|-------------|-------------|-------------|-------------|
| NPT/NPT | S49N | S25N | S82N | S28N |
|----------------|-------------|-------------|-------------|-------------|

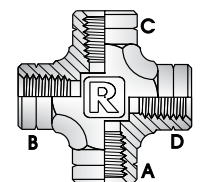
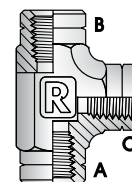
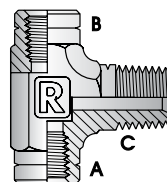
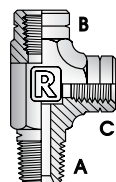
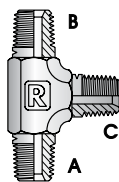
90° ELBOW



| THREAD | | DASH SIZE | NPT MALE NPT MALE 90° ELBOW | NPT MALE NPT FEMALE FIXED 90° ELBOW | NPT MALE NPSM FEMALE SWIVEL 90° ELBOW | NPT FEMALE FIXED NPT FEMALE FIXED 90° ELBOW |
|--------|-------|-----------|-----------------------------------|---|---|---|
| A | B | | PART NO | PART NO | PART NO | PART NO |
| 1/8 | 1/8 | -0202 | S49N-0202 | S25N-0202 | | S28N-0202 |
| 1/4 | 1/4 | -0404 | S49N-0404 | S25N-0404 | S82N-0404 | S28N-0404 |
| 3/8 | 1/4 | -0604 | S49N-0604 | | | |
| 3/8 | 3/8 | -0606 | S49N-0606 | S25N-0606 | S82N-0606 | S28N-0606 |
| 1/2 | 1/2 | -0808 | S49N-0808 | S25N-0808 | S82N-0808 | S28N-0808 |
| 3/4 | 3/4 | -1212 | S49N-1212 | S25N-1212 | S82N-1212 | S28N-1212 |
| 1 | 1 | -1616 | S49N-1616 | S25N-1616 | S82N-1616 | S28N-1616 |
| 1.1/4 | 1.1/4 | -2020 | | S25N-2020 | S82N-2020 | |

| | | | | | |
|----------------|-------------|-------------|-------------|-------------|-------------|
| NPT/NPT | S50N | S48N | S47N | S29N | S32N |
|----------------|-------------|-------------|-------------|-------------|-------------|

TEE CROSS



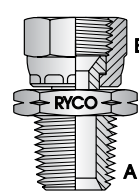
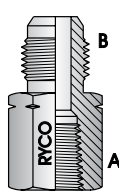
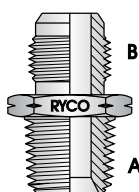
| THREAD ALL ENDS | DASH SIZE | NPT MALE NPT MALE NPT MALE | NPT MALE NPT FEMALE FIXED NPT FEMALE FIXED | NPT FEMALE FIXED NPT FEMALE FIXED NPT MALE | NPT FEMALE FIXED NPT FEMALE FIXED NPT FEMALE FIXED | NPT FEMALE FIXED CROSS |
|--------------------|--------------|----------------------------------|--|--|--|---------------------------|
| inch | | PART NO | PART NO | PART NO | PART NO | PART NO |
| 1/8 | -020202 | S50N-020202 | S48N-020202 | | S29N-020202 | |
| 1/4 | -040404 | S50N-040404 | S48N-040404 | S47N-040404 | S29N-040404 | S32N-04040404 |
| 3/8 | -060606 | S50N-060606 | S48N-060606 | | S29N-060606 | S32N-06060606 |
| 1/2 | -080808 | S50N-080808 | S48N-080808 | | S29N-080808 | S32N-08080808 |
| 3/4 | -121212 | S50N-080808 | S48N-121212 | | S29N-121212 | S32N-12121212 |
| 1 | -161616 | | S48N-161616 | | S29N-161616 | S32N-16161616 |
| 1.1/4 | -202020 | | | | S29N-202020 | |
| 1.1/2 | -242424 | | | | S29N-242424 | |

ADAPTORS

NPT ADAPTORS

| NPT/JIC | S7N | S16N | S61N |
|---------|-----|------|------|
|---------|-----|------|------|

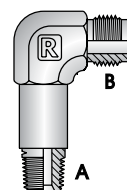
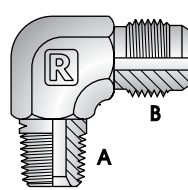
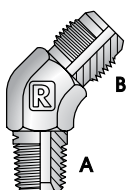
STRAIGHT



| THREAD | | DASH SIZE | NPT MALE JIC MALE | NPT FEMALE FIXED JIC MALE | NPT MALE JIC FEMALE SWIVEL |
|--------|--------|-----------|----------------------|------------------------------|-------------------------------|
| A | B | | | | |
| inch | inch | | PART NO | PART NO | PART NO |
| 1/8 | 7/16 | -0207 | S7N-0207 | S16N-0207 | |
| 1/8 | 1/2 | -0208 | S7N-0208 | | |
| 1/8 | 9/16 | -0209 | S7N-0209 | | |
| 1/4 | 7/16 | -0407 | S7N-0407 | S16N-0407 | S61N-0407 |
| 1/4 | 1/2 | -0408 | S7N-0408 | S16N-0408 | |
| 1/4 | 9/16 | -0409 | S7N-0409 | S16N-0409 | S61N-0409 |
| 1/4 | 3/4 | -0412 | S7N-0412 | | |
| 3/8 | 7/16 | -0607 | S7N-0607 | | |
| 3/8 | 1/2 | -0608 | S7N-0608 | | |
| 3/8 | 9/16 | -0609 | S7N-0609 | S16N-0609 | |
| 3/8 | 3/4 | -0612 | S7N-0612 | | S61N-0612 |
| 3/8 | 7/8 | -0614 | S7N-0614 | | |
| 3/8 | 1.1/16 | -0617 | S7N-0617 | | |
| 1/2 | 7/8 | -0807 | S7N-0807 | | |
| 1/2 | 9/16 | -0809 | S7N-0809 | | |
| 1/2 | 3/4 | -0812 | S7N-0812 | S16N-0812 | S61N-0812 |
| 1/2 | 7/8 | -0814 | S7N-0814 | | |
| 1/2 | 1.1/16 | -0817 | S7N-0817 | S16N-0817 | |
| 3/4 | 9/16 | -1209 | S7N-1209 | | |
| 3/4 | 3/4 | -1212 | S7N-1212 | | |
| 3/4 | 7/8 | -1214 | S7N-1214 | | |
| 3/4 | 1.1/16 | -1217 | S7N-1217 | S16N-1217 | |
| 3/4 | 1.3/16 | -1219 | S7N-1219 | | |
| 3/4 | 1.5/16 | -1221 | S7N-1221 | | |
| 1 | 3/4 | -1612 | S7N-1612 | | |
| 1 | 7/8 | -1614 | S7N-1614 | | |
| 1 | 1.1/16 | -1617 | S7N-1617 | | |
| 1 | 1.3/16 | -1619 | S7N-1619 | | |
| 1 | 1.5/16 | -1621 | S7N-1621 | | |
| 1 | 1.5/8 | -1626 | S7N-1626 | | |
| 1.1/4 | 1.1/16 | -2017 | S7N-2017 | | |
| 1.1/4 | 1.5/16 | -2021 | S7N-2021 | | |
| 1.1/4 | 1.5/8 | -2026 | S7N-2026 | | |
| 1.1/2 | 1.5/8 | -2426 | S7N-2426 | | |
| 1.1/2 | 1.7/8 | -2430 | S7N-2430 | | |
| 2 | 2.1/2 | -3240 | S7N-3240 | | |

| | | | |
|----------------|------------|------------|-------------|
| NPT/JIC | S9N | S8N | S11N |
|----------------|------------|------------|-------------|

45° ELBOW
90° ELBOW



| THREAD | | DASH SIZE | NPT MALE JIC MALE 45° ELBOW | NPT MALE JIC MALE 90° ELBOW | NPT MALE EXT JIC MALE 90° ELBOW |
|--------|--------|-----------|-----------------------------|-----------------------------|---------------------------------|
| A | B | | PART NO | PART NO | PART NO |
| 1/8 | 7/16 | -0207 | S9N-0207 | S8N-0207 | S11N-0207 |
| 1/8 | 1/2 | -0208 | | S8N-0208 | |
| 1/8 | 9/16 | -0209 | | S8N-0209 | |
| 1/4 | 7/16 | -0407 | S9N-0407 | S8N-0407 | |
| 1/4 | 1/2 | -0408 | S9N-0408 | S8N-0408 | |
| 1/4 | 9/16 | -0409 | S9N-0409 | S8N-0409 | |
| 1/4 | 3/4 | -0412 | S9N-0412 | S8N-0412 | |
| 3/8 | 7/16 | -0607 | | S8N-0607 | |
| 3/8 | 1/2 | -0608 | | S8N-0608 | |
| 3/8 | 9/16 | -0609 | S9N-0609 | S8N-0609 | |
| 3/8 | 3/4 | -0612 | S9N-0612 | S8N-0612 | |
| 3/8 | 7/8 | -0614 | S9N-0614 | S8N-0614 | |
| 1/2 | 9/16 | -0809 | S9N-0809 | S8N-0809 | |
| 1/2 | 3/4 | -0812 | S9N-0812 | S8N-0812 | |
| 1/2 | 7/8 | -0814 | S9N-0814 | S8N-0814 | |
| 1/2 | 1.1/16 | -0817 | S9N-0817 | S8N-0817 | |
| 3/4 | 3/4 | -1212 | | S8N-1212 | |
| 3/4 | 7/8 | -1214 | S9N-1214 | S8N-1214 | |
| 3/4 | 1.1/16 | -1217 | S9N-1217 | S8N-1217 | |
| 3/4 | 1.3/16 | -1219 | | S8N-1219 | |
| 3/4 | 1.5/16 | -1221 | S9N-1221 | S8N-1221 | |
| 1 | 1.1/16 | -1617 | | S8N-1617 | |
| 1 | 1.5/16 | -1621 | S9N-1621 | S8N-1621 | |
| 1 | 1.5/8 | -1626 | | S8N-1626 | |
| 1.1/4 | 1.5/16 | -2021 | | S8N-2021 | |
| 1.1/4 | 1.5/8 | -2026 | S9N-2026 | S8N-2026 | |
| 1.1/2 | 1.7/8 | -2430 | S9N-2430 | S8N-2430 | |
| 2 | 2.1/2 | -3240 | S9N-3240 | S8N-3240 | |

INTRODUCTION

ADAPTORS

COUPLINGS

ADAPTORS

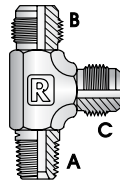
TECHNICAL

ADAPTORS

NPT ADAPTORS

NPT/JIC S21N

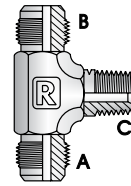
TEE



| THREAD | | | DASH SIZE | NPT MALE JIC MALE JIC MALE | PART NO |
|--------|--------|--------|-----------|----------------------------------|--------------------|
| A | B | C | | | |
| 1/8 | 7/16 | 7/16 | -020707 | | S21N-020707 |
| 1/4 | 7/16 | 7/16 | -040707 | | S21N-040707 |
| 1/4 | 9/16 | 9/16 | -040909 | | S21N-040909 |
| 3/8 | 9/16 | 9/16 | -060909 | | S21N-060909 |
| 3/8 | 3/4 | 3/4 | -061212 | | S21N-061212 |
| 1/2 | 3/4 | 3/4 | -081212 | | S21N-081212 |
| 1/2 | 7/8 | 7/8 | -081414 | | S21N-081414 |
| 3/4 | 1.1/16 | 1.1/16 | -121717 | | S21N-121717 |

NPT/JIC S20N

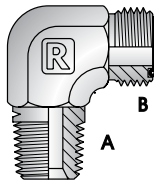
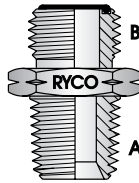
TEE



| THREAD | | | DASH SIZE | JIC MALE JIC MALE NPT MALE | PART NO |
|--------|--------|-----|-----------|----------------------------------|--------------------|
| A | B | C | | | |
| 7/16 | 7/16 | 1/8 | -070702 | | S20N-070702 |
| 7/16 | 7/16 | 1/4 | -070704 | | S20N-070704 |
| 1/2 | 1/2 | 1/4 | -080804 | | S20N-080804 |
| 9/16 | 9/16 | 1/4 | -090904 | | S20N-090904 |
| 9/16 | 9/16 | 3/8 | -090906 | | S20N-090906 |
| 3/4 | 3/4 | 3/8 | -121206 | | S20N-121206 |
| 3/4 | 3/4 | 1/2 | -121208 | | S20N-121208 |
| 7/8 | 7/8 | 1/2 | -141408 | | S20N-141408 |
| 1.1/16 | 1.1/16 | 3/4 | -171712 | | S20N-171712 |
| 1.5/16 | 1.5/16 | 1 | -212116 | | S20N-212116 |

NPT/ORFS S114N S145N

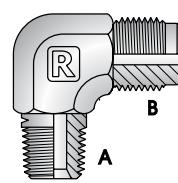
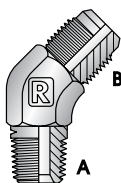
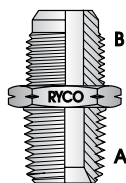
STRAIGHT
90° ELBOW
O RING INCLUDED



| THREAD | | DASH SIZE | NPT MALE ORFS MALE | NPT MALE ORFS MALE 90° ELBOW |
|--------|--------|-----------|-----------------------|------------------------------------|
| A | B | | | |
| 1/4 | 9/16 | -0409 | S114N-0409 | S145N-0409 |
| 3/8 | 11/16 | -0611 | S114N-0611 | S145N-0611 |
| 1/2 | 13/16 | -0813 | S114N-0813 | S145N-0813 |
| 1/2 | 1 | -0816 | S114N-0816 | S145N-0816 |
| 3/4 | 1.3/16 | -1219 | S114N-1219 | S145N-1219 |
| 1 | 1.7/16 | -1623 | S114N-1623 | S145N-1623 |

| NPT/SAE | SA7N | SA9N | SA8N |
|---------|------|------|------|
|---------|------|------|------|

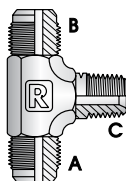
STRAIGHT
45° ELBOW
90° ELBOW



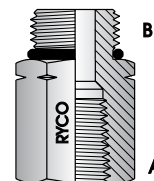
| THREAD | | | DASH SIZE | NPT MALE SAE MALE | NPT MALE SAE MALE 45° ELBOW | NPT MALE SAE MALE 90° ELBOW |
|--------|--------|--|-----------|----------------------|-----------------------------------|-----------------------------------|
| A | B | | | | | |
| inch | inch | | | PART NO | PART NO | PART NO |
| 1/8 | 1/2 | | -0208 | SA7N-0208 | | |
| 1/8 | 5/8 | | -0210 | SA7N-0210 | | SA8N-0210 |
| 1/4 | 7/16 | | -0407 | SA7N-0407 | | SA8N-0407 |
| 1/4 | 1/2 | | -0408 | SA7N-0408 | | SA8N-0408 |
| 1/4 | 5/8 | | -0410 | SA7N-0410 | SA9N-0410 | SA8N-0410 |
| 3/8 | 1/2 | | -0608 | SA7N-0608 | | |
| 3/8 | 5/8 | | -0610 | SA7N-0610 | | SA8N-0610 |
| 1/2 | 3/4 | | -0812 | SA7N-0812 | | |
| 3/4 | 1.1/16 | | -1217 | SA7N-1217 | | SA8N-1217 |

| NPT/SAE | SA20N | NPT/UNO | S96N |
|---------|-------|---------|------|
|---------|-------|---------|------|

TEE



STRAIGHT
O RING SUPPLIED

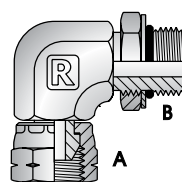
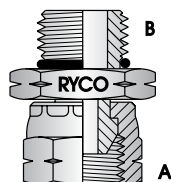


| THREAD | | | DASH SIZE | SAE MALE SAE MALE NPT MALE |
|--------|------|------|-----------|----------------------------------|
| A | B | C | | |
| inch | inch | inch | | PART NO |
| 7/16 | 7/16 | 1/4 | -070704 | SA20N-070704 |
| 1/2 | 1/2 | 1/4 | -080804 | SA20N-080804 |

| THREAD | | DASH SIZE | NPT FEMALE FIXED UN O RING MALE |
|--------|--------|-----------|------------------------------------|
| A | B | | |
| inch | inch | | PART NO |
| 1/2 | 3/4 | -0812 | S96N-0812 |
| 3/4 | 1.5/16 | -1221 | S96N-1221 |

| NPSM/UNO | S95N | S94N |
|----------|------|------|
|----------|------|------|

STRAIGHT
90° ELBOW
O RING SUPPLIED



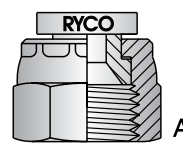
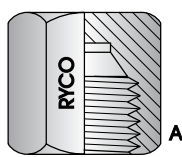
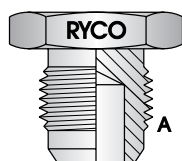
| THREAD | | DASH SIZE | NPSM FEMALE SWIVEL UN O RING MALE | NPSM FEMALE UN O RING MALE |
|--------|------|-----------|--------------------------------------|-------------------------------|
| A | B | | | |
| inch | inch | | PART NO | PART NO |
| 1/4 | 9/16 | -0409 | | S94N-0409 |
| 1/2 | 3/4 | -0812 | S95N-0812 | |

ADAPTORS

JIC ADAPTORS

| JIC | S56 | S65 | S65S |
|-----|-----|-----|------|
|-----|-----|-----|------|

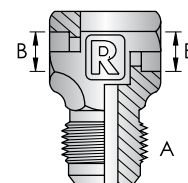
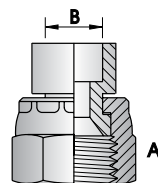
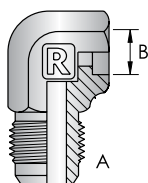
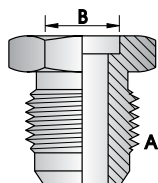
PLUG
CAP



| THREAD A | DASH SIZE | JIC MALE PLUG | JIC FEMALE CAP | JIC FEMALE SWIVEL CAP |
|-------------|--------------|------------------|-------------------|--------------------------|
| inch | | PART NO | PART NO | PART NO |
| 7/16 | -07 | S56-07 | S65-07 | S65S-07 |
| 1/2 | -08 | S56-08 | S65-08 | S65S-08 |
| 9/16 | -09 | S56-09 | S65-09 | S65S-09 |
| 3/4 | -12 | S56-12 | S65-12 | S65S-12 |
| 7/8 | -14 | S56-14 | S65-14 | S65S-14 |
| 1.1/16 | -17 | S56-17 | S65-17 | S65S-17 |
| 1.3/16 | -19 | S56-19 | S65-19 | S65S-19 |
| 1.5/16 | -21 | S56-21 | S65-21 | S65S-21 |
| 1.5/8 | -26 | S56-26 | S65-26 | S65S-26 |
| 1.7/8 | -30 | S56-30 | S65-30 | S65S-30 |
| 2.1/2 | -40 | S56-40 | S65-40 | S65S-40 |

| JIC | S51 | S52 | S57 | S152 |
|-----|-----|-----|-----|------|
|-----|-----|-----|-----|------|

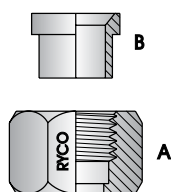
TUBE WELD
90° TUBE WELD
TEE TUBE WELD



| THREAD A | TUBE OD B | DASH SIZE | JIC MALE TUBE WELD | JIC MALE TUBE WELD 90° ELBOW | JIC FEMALE SWIVEL TUBE WELD | JIC MALE TUBE WELD TEE |
|-------------|--------------|--------------|-----------------------|------------------------------------|--------------------------------|---------------------------|
| inch | inch | | PART NO | PART NO | PART NO | PART NO |
| 7/16 | 1/4 | -0704 | S51-0704 | S52-0704 | S57-0704 | |
| 7/16 | 3/8 | -0706 | S51-0706 | | S57-0706 | |
| 9/16 | 3/8 | -0906 | S51-0906 | S52-0906 | S57-0906 | |
| 9/16 | 1/2 | -0908 | S51-0908 | | | |
| 3/4 | 3/8 | -1206 | | S52-1206 | | |
| 3/4 | 1/2 | -1208 | S51-1208 | S52-1208 | S57-1208 | S152-120808 |
| 3/4 | 5/8 | -1210 | S51-1210 | | S57-1210 | |
| 3/4 | 3/4 | -1212 | S51-1212 | | | S152-121212 |
| 7/8 | 5/8 | -1410 | S51-1410 | S52-1410 | S57-1410 | S152-141010 |
| 7/8 | 3/4 | -1412 | S51-1412 | S52-1412 | S57-1412 | |
| 1.1/16 | 5/8 | -1710 | S51-1710 | | | |
| 1.1/16 | 3/4 | -1712 | S51-1712 | S52-1712 | S57-1712 | |
| 1.1/16 | 7/8 | -1714 | S51-1714 | | | |
| 1.1/16 | 1 | -1716 | S51-1716 | | S57-1716 | S152-171616 |
| 1.3/16 | 7/8 | -1914 | S51-1914 | S52-1914 | | |
| 1.5/16 | 1 | -2116 | S51-2116 | S52-2116 | S57-2116 | |
| 1.5/16 | 1.1/8 | -2118 | S51-2118 | | | |
| 1.5/16 | 1.1/4 | -2120 | S51-2120 | | S57-2120 | S152-212020 |
| 1.5/8 | 1.1/4 | -2620 | S51-2620 | S52-2620 | S57-2620 | |
| 1.5/8 | 1.3/8 | -2622 | S51-2622 | | | |
| 1.5/8 | 1.1/2 | -2624 | S51-2624 | | S57-2624 | |
| 1.7/8 | 1.1/2 | -3024 | S51-3024 | | S57-3024 | |
| 2.1/2 | 2 | -4032 | S51-4032 | | S57-4032 | |

JIC S6

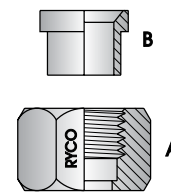
TUBE NUT & SLEEVE (FLARE TYPE)



| THREAD A | TUBE OD B | DASH SIZE | JIC FEMALE NUT & SLEEVE |
|----------|-----------|-----------|-------------------------|
| inch | inch | | PART NO |
| 7/16 | 1/4 | -0704 | S6-0704 |
| 1/2 | 5/16 | -0805 | S6-0805 |
| 9/16 | 3/8 | -0906 | S6-0906 |
| 3/4 | 1/2 | -1208 | S6-1208 |
| 7/8 | 5/8 | -1410 | S6-1410 |
| 1.1/16 | 3/4 | -1712 | S6-1712 |
| 1.3/16 | 7/8 | -1914 | S6-1914 |
| 1.5/16 | 1 | -2116 | S6-2116 |
| 1.5/8 | 1.1/4 | -2620 | S6-2620 |

JIC S6M

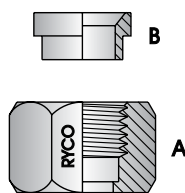
TUBE NUT & METRIC SLEEVE (FLARE TYPE)



| THREAD A | TUBE OD B | DASH SIZE | JIC FEMALE NUT & METRIC SLEEVE |
|----------|-----------|-----------|--------------------------------|
| inch | mm | | PART NO |
| 7/16 | 6 | -0706 | S6M-0706 |
| 1/2 | 8 | -0808 | S6M-0808 |
| 9/16 | 10 | -0910 | S6M-0910 |
| 3/4 | 12 | -1212 | S6M-1212 |
| 7/8 | 16 | -1416 | S6M-1416 |
| 1.1/16 | 19 | -1719 | S6M-1719 |
| 1.3/16 | 20 | -1920 | S6M-1920 |
| 1.5/16 | 25 | -2125 | S6M-2125 |
| 1.5/8 | 32 | -2632 | S6M-2632 |

JIC S6S

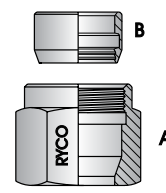
TUBE NUT & SHORT SLEEVE (FLARE TYPE)



| THREAD A | TUBE OD B | DASH SIZE | JIC FEMALE NUT & SHORT SLEEVE |
|----------|-----------|-----------|-------------------------------|
| inch | inch | | PART NO |
| 9/16 | 3/8 | -0906 | S6S-0906 |
| 3/4 | 1/2 | -1208 | S6S-1208 |
| 7/8 | 5/8 | -1410 | S6S-1410 |

J-LOK S134

JIC FEMALE NUT & FLARELESS OLIVE



| THREAD A | TUBE OD B | DASH SIZE | J-LOK NUT & OLIVE |
|----------|-----------|-----------|-------------------|
| inch | inch | | PART NO |
| 7/16 | 1/4 | -0704 | S134-0704 |
| 9/16 | 3/8 | -0906 | S134-0906 |
| 3/4 | 1/2 | -1208 | S134-1208 |
| 7/8 | 5/8 | -1410 | S134-1410 |
| 1.1/16 | 3/4 | -1712 | S134-1712 |
| 1.5/16 | 1 | -2116 | S134-2116 |

NOTE: S134 Assembly Instructions page 490.

INTRODUCTION

ADAPTORS

COUPLINGS

ADAPTORS

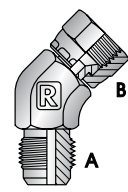
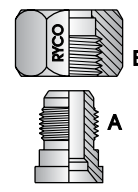
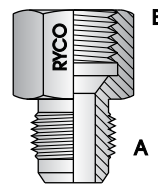
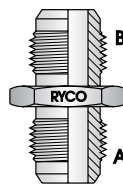
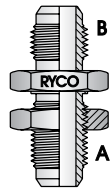
TECHNICAL

ADAPTORS

JIC ADAPTORS

| JIC/JIC | S10 | S17 | S66F | S66 | S23 |
|---------|-----|-----|------|-----|-----|
|---------|-----|-----|------|-----|-----|

STRAIGHT
BULKHEAD
45° ELBOW

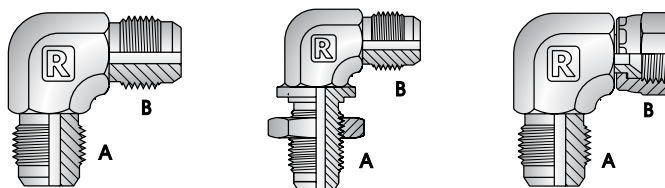


| THREAD | | DASH SIZE | JIC MALE BULKHEAD | JIC MALE | JIC MALE | JIC MALE | JIC MALE |
|--------|--------|-----------|-------------------|----------|--------------------------|--------------------|-----------------------------|
| A | B | | JIC MALE | JIC MALE | JIC FEMALE FIXED REDUCER | JIC FEMALE REDUCER | JIC FEMALE SWIVEL 45° ELBOW |
| inch | inch | | PART NO | PART NO | PART NO | PART NO | PART NO |
| 7/16 | 7/16 | -0707 | S10-0707 | S17-0707 | | | S23-0707 |
| 7/16 | 9/16 | -0709 | | | S66F-0709 | S66-0709 | |
| 7/16 | 3/4 | -0712 | | | S66F-0712 | S66-0712 | |
| 7/16 | 7/8 | -0714 | | | S66F-0714 | S66-0714 | |
| 7/16 | 1.1/16 | -0717 | | | S66F-0717 | S66-0717 | |
| 7/16 | 1.5/16 | -0721 | | | S66F-0721 | S66-0721 | |
| 1/2 | 1/2 | -0808 | | S17-0808 | | | S23-0808 |
| 9/16 | 7/16 | -0907 | | S17-0907 | S66F-0907 | | |
| 9/16 | 9/16 | -0909 | S10-0909 | S17-0909 | | | S23-0909 |
| 9/16 | 3/4 | -0912 | | | S66F-0912 | S66-0912 | |
| 9/16 | 7/8 | -0914 | | | S66F-0914 | S66-0914 | |
| 9/16 | 1.1/16 | -0917 | | | S66F-0917 | S66-0917 | |
| 9/16 | 1.5/16 | -0921 | | | S66F-0921 | S66-0921 | |
| 9/16 | 1.5/8 | -0926 | | | S66F-0926 | | |
| 3/4 | 9/16 | -1209 | | S17-1209 | S66F-1209 | S66-1209* | |
| 3/4 | 7/16 | -1207 | | | S66F-1207 | | |
| 3/4 | 3/4 | -1212 | S10-1212 | S17-1212 | | | S23-1212 |
| 3/4 | 7/8 | -1214 | | | S66F-1214 | S66-1214 | |
| 3/4 | 1.1/16 | -1217 | | | S66F-1217 | S66-1217 | |
| 3/4 | 1.5/16 | -1221 | | | S66F-1221 | S66-1221 | |
| 3/4 | 1.5/8 | -1226 | | | S66F-1226 | | |
| 3/4 | 1.7/8 | -1230 | | | S66F-1230 | | |
| 7/8 | 3/4 | -1412 | | S17-1412 | S66F-1412 | S66-1412* | |
| 7/8 | 7/8 | -1414 | S10-1414 | S17-1414 | | | S23-1414 |
| 7/8 | 1.1/16 | -1417 | | | S66F-1417 | S66-1417 | |
| 1.1/16 | 7/16 | -1707 | | S17-1707 | | | |
| 1.1/16 | 1/2 | -1708 | | S17-1708 | | | |
| 1.1/16 | 9/16 | -1709 | | S17-1709 | S66F-1709 | | |
| 1.1/16 | 3/4 | -1712 | | S17-1712 | S66F-1712 | | |
| 1.1/16 | 7/8 | -1714 | S10-1714 | S17-1714 | S66F-1714 | S66-1714 | |
| 1.1/16 | 1.1/16 | -1717 | S10-1717 | S17-1717 | | | S23-1717 |
| 1.1/16 | 1.5/16 | -1721 | | | S66F-1721 | S66-1721 | |
| 1.1/16 | 1.5/8 | -1726 | | | S66F-1726 | | |
| 1.3/16 | 1.3/16 | -1919 | S10-1919 | S17-1919 | | | |
| 1.5/16 | 3/4 | -2112 | | | S66F-2112 | S66-2112 | |
| 1.5/16 | 7/8 | -2114 | | S17-2114 | | | |
| 1.5/16 | 1.1/16 | -2117 | | S17-2117 | S66F-2117 | S66-2117 | |
| 1.5/16 | 1.5/16 | -2121 | S10-2121 | S17-2121 | | | S23-2121 |
| 1.5/16 | 1.5/8 | -2126 | | | S66F-2126 | S66-2126 | |
| 1.5/16 | 1.7/8 | -2130 | | | S66F-2130 | | |
| 1.5/8 | 1.5/16 | -2621 | | S17-2621 | S66F-2621 | S66-2621 | |
| 1.5/8 | 1.5/8 | -2626 | S10-2626 | S17-2626 | | | S23-2626 |
| 1.7/8 | 1.7/8 | -3030 | S10-3030 | S17-3030 | | | S23-3030 |
| 2.1/2 | 1.5/16 | -4021 | | | S66F-4021 | | |
| 2.1/2 | 2.1/2 | -4040 | S10-4040 | S17-4040 | | | |

NOTE: *These Sizes are One Piece Construction - see S66F range.

| | | | |
|----------------|------------|------------|------------|
| JIC/JIC | S18 | S13 | S15 |
|----------------|------------|------------|------------|

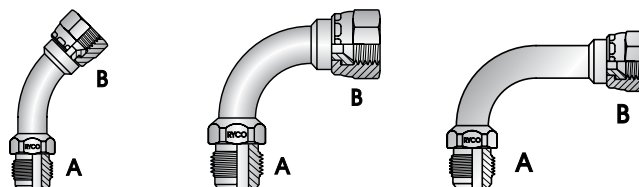
90° ELBOW



| THREAD | | DASH SIZE | JIC MALE JIC MALE 90° ELBOW | | JIC MALE BULKHEAD JIC MALE 90° ELBOW | | JIC MALE JIC FEMALE SWIVEL 90° ELBOW | |
|--------|--------|-----------|-----------------------------|--|--------------------------------------|--|--------------------------------------|--|
| A | B | | PART NO | | PART NO | | PART NO | |
| inch | inch | | PART NO | | PART NO | | PART NO | |
| 7/16 | 7/16 | -0707 | S18-0707 | | S13-0707 | | S15-0707 | |
| 1/2 | 1/2 | -0808 | S18-0808 | | S13-0808 | | S15-0808 | |
| 9/16 | 9/16 | -0909 | S18-0909 | | S13-0909 | | S15-0909 | |
| 3/4 | 9/16 | -1209 | S18-1209 | | | | | |
| 3/4 | 3/4 | -1212 | S18-1212 | | S13-1212 | | S15-1212 | |
| 7/8 | 3/4 | -1412 | S18-1412 | | | | S15-1412 | |
| 7/8 | 7/8 | -1414 | S18-1414 | | S13-1414 | | S15-1414 | |
| 7/8 | 1.1/16 | -1417 | | | | | S15-1417 | |
| 1.1/16 | 7/8 | -1714 | S18-1714 | | | | S15-1714 | |
| 1.1/16 | 1.1/16 | -1717 | S18-1717 | | S13-1717 | | S15-1717 | |
| 1.3/16 | 1.3/16 | -1919 | S18-1919 | | | | S15-1919 | |
| 1.5/16 | 1.1/16 | -2117 | S18-2117 | | | | | |
| 1.5/16 | 1.5/16 | -2121 | S18-2121 | | S13-2121 | | S15-2121 | |
| 1.5/8 | 1.5/8 | -2626 | S18-2626 | | S13-2626 | | S15-2626 | |
| 1.7/8 | 1.7/8 | -3030 | | | | | S15-3030 | |

| | | | |
|----------------|-----------|-----------|-------------|
| JIC/JIC | S5 | S4 | S103 |
|----------------|-----------|-----------|-------------|

45° BEND
90° BEND



| THREAD | | DASH SIZE | JIC MALE JIC FEMALE SWIVEL 45° TUBE BEND | | | JIC MALE JIC FEMALE SWIVEL 90° TUBE BEND | | | JIC MALE JIC FEMALE SWIVEL 90° LONG BEND | | |
|--------|--------|-----------|--|-----|-----|--|-----|-----|--|-----|-----|
| A | B | | PART NO | | | PART NO | | | PART NO | | |
| inch | inch | | PART NO | DL1 | DL2 | PART NO | DL1 | DL2 | PART NO | DL1 | DL2 |
| 7/16 | 7/16 | -0707 | | | | S4-0707 | 22 | 38 | S103-0707 | 47 | 38 |
| 9/16 | 9/16 | -0909 | S5-0909 | 16 | 54 | S4-0909 | 27 | 43 | S103-0909 | 55 | 44 |
| 3/4 | 3/4 | -1212 | S5-1212 | 22 | 64 | S4-1212 | 38 | 60 | S103-1212 | 62 | 60 |
| 7/8 | 7/8 | -1414 | S5-1414 | 24 | 72 | S4-1414 | 48 | 66 | S103-1414 | 70 | 66 |
| 1.1/16 | 1.1/16 | -1717 | S5-1717 | 30 | 90 | S4-1717 | 57 | 78 | S103-1717 | 96 | 78 |
| 1.5/16 | 1.5/16 | -2121 | S5-2121 | 33 | 102 | S4-2121 | 73 | 92 | S103-2121 | 114 | 94 |
| 1.5/8 | 1.5/8 | -2626 | S5-2626 | 46 | 121 | S4-2626 | 82 | 108 | S103-2626 | 140 | 108 |
| 1.7/8 | 1.7/8 | -3030 | | | | S4-3030 | 104 | 130 | | | |
| 2.1/2 | 2.1/2 | -4040 | | | | S4-4040 | 140 | 164 | S103-4040 | 222 | 164 |

NOTE: Drop Lengths (DL) dimensions are in millimetres.

INTRODUCTION

ADAPTORS

COUPLINGS

ADAPTORS

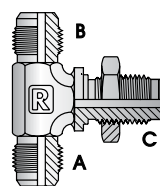
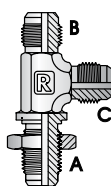
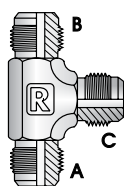
TECHNICAL

ADAPTORS

JIC ADAPTORS

| JIC/JIC | S19 | S62 | S63 |
|---------|-----|-----|-----|
|---------|-----|-----|-----|

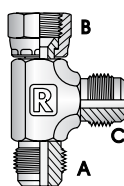
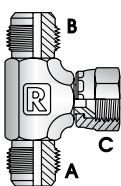
TEE



| THREAD | | | DASH SIZE | JIC MALE | JIC MALE BULKHEAD | JIC MALE |
|--------|--------|--------|-----------|------------|-------------------|-------------------|
| A | B | C | | JIC MALE | JIC MALE | JIC MALE BULKHEAD |
| inch | inch | inch | | PART NO | PART NO | PART NO |
| 7/16 | 7/16 | 7/16 | -070707 | S19-070707 | S62-070707 | S63-070707 |
| 1/2 | 1/2 | 1/2 | -080808 | S19-080808 | S62-080808 | S63-080808 |
| 9/16 | 9/16 | 9/16 | -090909 | S19-090909 | S62-090909 | S63-090909 |
| 9/16 | 9/16 | 3/4 | -090912 | | S62-090912 | |
| 3/4 | 1/2 | 3/4 | -120812 | S19-120812 | | |
| 3/4 | 3/4 | 9/16 | -121209 | S19-121209 | | |
| 3/4 | 3/4 | 3/4 | -121212 | S19-121212 | S62-121212 | S63-121212 |
| 3/4 | 3/4 | 7/8 | -121214 | S19-121214 | S62-121214 | |
| 3/4 | 3/4 | 1.1/16 | -121217 | S19-121217 | | |
| 7/8 | 3/4 | 7/8 | -141214 | S19-141214 | | |
| 7/8 | 7/8 | 3/4 | -141412 | S19-141412 | | |
| 7/8 | 7/8 | 7/8 | -141414 | S19-141414 | S62-141414 | S63-141414 |
| 7/8 | 7/8 | 1.1/16 | -141417 | S19-141417 | S62-141417 | |
| 1.1/16 | 3/4 | 3/4 | -171212 | S19-171212 | | |
| 1.1/16 | 7/8 | 7/8 | -171414 | S19-171414 | | |
| 1.1/16 | 1.1/16 | 7/8 | -171714 | S19-171714 | | |
| 1.1/16 | 1.1/16 | 1.1/16 | -171717 | S19-171717 | S62-171717 | S63-171717 |
| 1.1/16 | 1.1/16 | 1.5/16 | -171721 | S19-171721 | | |
| 1.1/16 | 1.1/16 | 1.5/8 | -171726 | S19-171726 | | |
| 1.3/16 | 1.3/16 | 1.3/16 | -191919 | S19-191919 | | |
| 1.5/16 | 7/8 | 7/8 | -211414 | S19-211414 | | |
| 1.5/16 | 1.1/16 | 1.1/16 | -211717 | S19-211717 | | |
| 1.5/16 | 1.5/16 | 7/8 | -212114 | S19-212114 | | |
| 1.5/16 | 1.5/16 | 1.1/16 | -212117 | S19-212117 | | |
| 1.5/16 | 1.5/16 | 1.5/16 | -212121 | S19-212121 | S62-212121 | S63-212121 |
| 1.5/8 | 1.5/8 | 1.5/8 | -262626 | S19-262626 | S62-262626 | S63-262626 |

| | | |
|----------------|------------|------------|
| JIC/JIC | S68 | S67 |
|----------------|------------|------------|

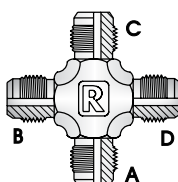
TEE



| THREAD | | | DASH SIZE | JIC MALE | JIC MALE |
|--------|--------|--------|-----------|-------------------|-------------------|
| A | B | C | | JIC FEMALE SWIVEL | JIC FEMALE SWIVEL |
| inch | inch | inch | | PART NO | PART NO |
| 7/16 | 7/16 | 7/16 | -070707 | S68-070707 | S67-070707 |
| 1/2 | 1/2 | 1/2 | -080808 | S68-080808 | S67-080808 |
| 9/16 | 9/16 | 9/16 | -090909 | S68-090909 | S67-090909 |
| 9/16 | 3/4 | 9/16 | -091209 | | S67-091209 |
| 3/4 | 3/4 | 9/16 | -121209 | | S67-121209 |
| 3/4 | 3/4 | 3/4 | -121212 | S68-121212 | S67-121212 |
| 7/8 | 7/8 | 9/16 | -141409 | | S67-141409 |
| 7/8 | 7/8 | 3/4 | -141412 | | S67-141412 |
| 7/8 | 7/8 | 7/8 | -141414 | S68-141414 | S67-141414 |
| 7/8 | 7/8 | 1.1/16 | -141417 | | S67-141417 |
| 7/8 | 1.1/16 | 7/8 | -141714 | | S67-141714 |
| 1.1/16 | 1.1/16 | 7/8 | -171714 | S68-171714 | S67-171714 |
| 1.1/16 | 1.1/16 | 1.1/16 | -171717 | S68-171717 | S67-171717 |
| 1.1/16 | 1.5/16 | 1.1/16 | -172117 | | S67-172117 |
| 1.5/16 | 1.5/16 | 7/8 | -212114 | | S67-212114 |
| 1.5/16 | 1.5/16 | 1.1/16 | -212117 | S68-212117 | S67-212117 |
| 1.5/16 | 1.5/16 | 1.5/16 | -212121 | S68-212121 | S67-212121 |
| 1.5/8 | 1.5/8 | 1.5/8 | -262626 | S68-262626 | S67-262626 |
| 1.7/8 | 1.7/8 | 1.7/8 | -303030 | S68-303030 | S67-303030 |

| | | | |
|------------|-------------|---------------------|--------------|
| JIC | S100 | JIC LOCK NUT | 35/37 |
|------------|-------------|---------------------|--------------|

CROSS



LOCK NUT



| THREAD A, B, C, D | DASH SIZE | JIC MALE CROSS |
|----------------------|--------------|----------------------|
| inch | | PART NO |
| 9/16 | -09090909 | S100-09090909 |
| 3/4 | -12121212 | S100-12121212 |
| 7/8 | -14141414 | S100-14141414 |
| 1.1/16 | -17171717 | S100-17171717 |
| 1.5/16 | -21212121 | S100-21212121 |

| THREAD | DASH SIZE | JIC LOCK NUT |
|--------|--------------|-----------------|
| inch | | PART NO |
| 7/16 | -07 | 37-07 |
| 1/2 | -08 | 37-08 |
| 9/16 | -09 | 37-09 |
| 3/4 | -12 | 37-12 |
| 7/8 | -14 | 37-14 |
| 1.1/16 | -17 | 37-17 |
| 1.3/16 | -19 | 37-19 |
| 1.5/16 | -21 | 37-21 |
| 1.5/8 | -26 | 35-26 |

NOTE: 37- is JIC B/H Lock Nut, 35- is UNO Adj. Male Nut (-26 size is common for both).

INTRODUCTION

ADAPTORS

COUPLINGS

ADAPTORS

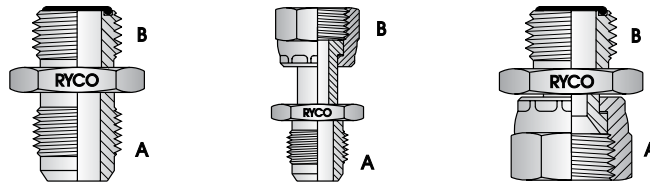
TECHNICAL

ADAPTORS

JIC ADAPTORS

| JIC/ORFS | S108 | S109 | S110 |
|----------|------|------|------|
|----------|------|------|------|

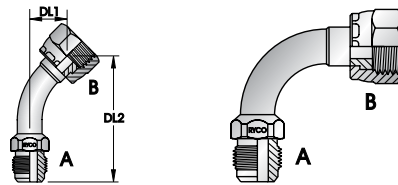
STRAIGHT
O RING INCLUDED



| THREAD | | DASH SIZE | JIC MALE ORFS MALE | JIC MALE ORFS FEMALE SWIVEL | JIC FEMALE SWIVEL ORFS MALE |
|--------|--------|-----------|--------------------|-----------------------------|-----------------------------|
| A | B | | PART NO | PART NO | PART NO |
| 7/16 | 9/16 | -0709 | S108-0709 | S109-0709 | S110-0709 |
| 9/16 | 11/16 | -0911 | S108-0911 | S109-0911 | S110-0911 |
| 3/4 | 13/16 | -1213 | S108-1213 | S109-1213 | S110-1213 |
| 7/8 | 13/16 | -1413 | S108-1413 | | S110-1413 |
| 7/8 | 1 | -1416 | S108-1416 | S109-1416 | S110-1416 |
| 1.1/16 | 1.3/16 | -1719 | S108-1719 | S109-1719 | S110-1719 |
| 1.5/16 | 1.7/16 | -2123 | S108-2123 | S109-2123 | S110-2123 |

| JIC/ORFS | S138 | S137 |
|----------|------|------|
|----------|------|------|

45° TUBE BEND
90° TUBE BEND

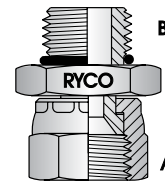
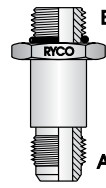
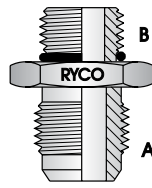


| THREAD | | DASH SIZE | JIC MALE ORFS FEMALE SWIVEL 45° TUBE BEND | | | JIC MALE ORFS FEMALE SWIVEL 90° TUBE BEND | | |
|--------|--------|-----------|---|-----|-----|---|-----|-----|
| A | B | | PART NO | DL1 | DL2 | PART NO | DL1 | DL2 |
| 7/16 | 9/16 | -0709 | S138-0709 | 21 | 42 | S137-0709 | 32 | 39 |
| 9/16 | 11/16 | -0911 | S138-0911 | 28 | 62 | S137-0911 | 38 | 46 |
| 3/4 | 13/16 | -1213 | S138-1213 | 20 | 62 | S137-1213 | 40 | 56 |
| 7/8 | 1 | -1416 | S138-1416 | 23 | 77 | S137-1416 | 47 | 65 |
| 7/8 | 1.3/16 | -1419 | | | | S137-1419 | 49 | 65 |
| 1.1/16 | 1.3/16 | -1719 | S138-1719 | 27 | 87 | S137-1719 | 59 | 81 |
| 1.5/16 | 1.7/16 | -2123 | S138-2123 | 45 | 104 | S137-2123 | 71 | 89 |

NOTE: Drop Lengths (DL) dimensions are in millimetres.

| JIC/UNO | S90 | S107 | S101 |
|---------|-----|------|------|
|---------|-----|------|------|

STRAIGHT
O RING SUPPLIED



| THREAD | | DASH SIZE | JIC MALE UN O RING MALE | JIC MALE EXT UN O RING MALE | JIC FEMALE SWIVEL UN O RING MALE |
|--------|--------|-----------|-------------------------|-----------------------------|----------------------------------|
| A | B | | PART NO | PART NO | PART NO |
| 7/16 | 7/16 | -0707 | S90-0707 | | S101-0707 |
| 7/16 | 9/16 | -0709 | S90-0709 | | S101-0709 |
| 7/16 | 3/4 | -0712 | S90-0712 | | |
| 1/2 | 1/2 | -0808 | S90-0808 | | |
| 1/2 | 3/4 | -0812 | S90-0812 | | |
| 1/2 | 7/8 | -0814 | S90-0814 | | S101-0814 |
| 9/16 | 7/16 | -0907 | S90-0907 | | S101-0907 |
| 9/16 | 1/2 | -0908 | S90-0908 | | |
| 9/16 | 9/16 | -0909 | S90-0909 | S107-0909 | S101-0909 |
| 9/16 | 3/4 | -0912 | S90-0912 | | S101-0912 |
| 9/16 | 7/8 | -0914 | S90-0914 | | S101-0914 |
| 9/16 | 1.1/16 | -0917 | S90-0917 | | |
| 3/4 | 7/16 | -1207 | S90-1207 | | |
| 3/4 | 9/16 | -1209 | S90-1209 | | S101-1209 |
| 3/4 | 3/4 | -1212 | S90-1212 | S107-1212 | S101-1212 |
| 3/4 | 7/8 | -1214 | S90-1214 | | S101-1214 |
| 3/4 | 1.1/16 | -1217 | S90-1217 | | S101-1217 |
| 3/4 | 1.5/16 | -1221 | S90-1221 | | |
| 7/8 | 3/4 | -1412 | S90-1412 | S107-1412 | S101-1412 |
| 7/8 | 7/8 | -1414 | S90-1414 | S107-1414 | S101-1414 |
| 7/8 | 1.1/16 | -1417 | S90-1417 | | S101-1417 |
| 7/8 | 1.5/16 | -1421 | S90-1421 | | S101-1421 |
| 1.1/16 | 3/4 | -1712 | S90-1712 | | S101-1712 |
| 1.1/16 | 7/8 | -1714 | S90-1714 | S107-1714 | S101-1714 |
| 1.1/16 | 1.1/16 | -1717 | S90-1717 | S107-1717 | S101-1717 |
| 1.1/16 | 1.3/16 | -1719 | S90-1719 | | |
| 1.1/16 | 1.5/16 | -1721 | S90-1721 | | S101-1721 |
| 1.1/16 | 1.5/8 | -1726 | S90-1726 | | |
| 1.3/16 | 1.1/16 | -1917 | S90-1917 | | |
| 1.3/16 | 1.3/16 | -1919 | S90-1919 | | |
| 1.3/16 | 1.5/16 | -1921 | S90-1921 | | |
| 1.5/16 | 3/4 | -2112 | S90-2112 | | |
| 1.5/16 | 7/8 | -2114 | S90-2114 | | S101-2114 |
| 1.5/16 | 1.1/16 | -2117 | S90-2117 | | S101-2117 |
| 1.5/16 | 1.3/16 | -2119 | S90-2119 | | |
| 1.5/16 | 1.5/16 | -2121 | S90-2121 | S107-2121 | S101-2121 |
| 1.5/16 | 1.5/8 | -2126 | S90-2126 | | |
| 1.5/8 | 1.1/16 | -2617 | S90-2617 | | |
| 1.5/8 | 1.5/16 | -2621 | S90-2621 | | |
| 1.5/8 | 1.5/8 | -2626 | S90-2626 | | S101-2626 |
| 1.5/8 | 1.7/8 | -2630 | S90-2630 | | |
| 1.7/8 | 1.7/8 | -3030 | S90-3030 | | S101-3030 |

INTRODUCTION

ADAPTORS

COUPLINGS

ADAPTORS

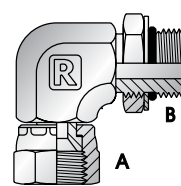
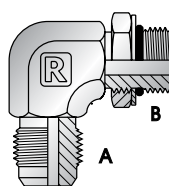
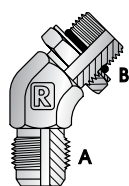
TECHNICAL

ADAPTORS

JIC ADAPTORS

| JIC/UNO | S88 | S91 | S86 |
|---------|-----|-----|-----|
|---------|-----|-----|-----|

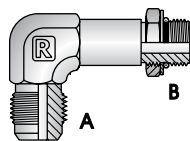
45° ELBOW
90° ELBOW
O RING SUPPLIED



| THREAD | | DASH SIZE | JIC MALE UN O RING MALE 45° ELBOW | JIC MALE UN O RING MALE 90° ELBOW | JIC FEMALE SWIVEL UN O RING MALE 90° ELBOW |
|--------|--------|-----------|-----------------------------------|-----------------------------------|--|
| A | B | | PART NO | PART NO | PART NO |
| 7/16 | 7/16 | -0707 | S88-0707 | S91-0707 | |
| 7/16 | 1/2 | -0708 | | S91-0708 | |
| 7/16 | 9/16 | -0709 | | S91-0709 | |
| 1/2 | 1/2 | -0808 | | S91-0808 | |
| 9/16 | 7/16 | -0907 | | S91-0907 | |
| 9/16 | 1/2 | -0908 | | S91-0908 | |
| 9/16 | 9/16 | -0909 | S88-0909 | S91-0909 | S86-0909 |
| 9/16 | 3/4 | -0912 | S88-0912 | S91-0912 | |
| 9/16 | 7/8 | -0914 | | S91-0914 | |
| 9/16 | 1.1/16 | -0917 | | S91-0917 | |
| 3/4 | 9/16 | -1209 | | S91-1209 | |
| 3/4 | 3/4 | -1212 | S88-1212 | S91-1212 | S86-1212 |
| 3/4 | 7/8 | -1214 | S88-1214 | S91-1214 | |
| 3/4 | 1.1/16 | -1217 | | S91-1217 | |
| 3/4 | 1.5/16 | -1221 | | S91-1221 | |
| 7/8 | 3/4 | -1412 | S88-1412 | S91-1412 | S86-1412 |
| 7/8 | 7/8 | -1414 | S88-1414 | S91-1414 | S86-1414 |
| 7/8 | 1.1/16 | -1417 | | S91-1417 | |
| 1.1/16 | 3/4 | -1712 | S88-1712 | S91-1712 | |
| 1.1/16 | 7/8 | -1714 | | S91-1714 | |
| 1.1/16 | 1.1/16 | -1717 | S88-1717 | S91-1717 | S86-1717 |
| 1.1/16 | 1.3/16 | -1719 | | S91-1719 | |
| 1.1/16 | 1.5/16 | -1721 | | S91-1721 | |
| 1.3/16 | 1.1/16 | -1917 | | S91-1917 | |
| 1.3/16 | 1.3/16 | -1919 | S88-1919 | S91-1919 | |
| 1.3/16 | 1.5/16 | -1921 | | S91-1921 | |
| 1.5/16 | 1.1/16 | -2117 | S88-2117 | S91-2117 | |
| 1.5/16 | 1.3/16 | -2119 | S88-2119 | | |
| 1.5/16 | 1.5/16 | -2121 | S88-2121 | S91-2121 | |
| 1.5/16 | 1.5/8 | -2126 | S88-2126 | S91-2126 | |
| 1.5/8 | 1.5/16 | -2621 | S88-2621 | S91-2621 | |
| 1.5/8 | 1.5/8 | -2626 | S88-2626 | S91-2626 | |

JIC/UNO S12

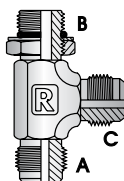
**EXTENDED
90° ELBOW
O RING SUPPLIED**



| THREAD | | DASH SIZE | JIC MALE UN O RING MALE EXTENDED 90° ELBOW |
|--------|--------|-----------|--|
| A | B | | |
| inch | inch | | PART NO |
| 9/16 | 9/16 | -0909 | S12-0909 |
| 9/16 | 7/8 | -0914 | S12-0914 |
| 3/4 | 3/4 | -1212 | S12-1212 |
| 3/4 | 7/8 | -1214 | S12-1214 |
| 7/8 | 7/8 | -1414 | S12-1414 |
| 7/8 | 1.1/16 | -1417 | S12-1417 |
| 1.1/16 | 7/8 | -1714 | S12-1714 |
| 1.1/16 | 1.1/16 | -1717 | S12-1717 |
| 1.5/16 | 1.5/16 | -2121 | S12-2121 |

JIC/UNO S87

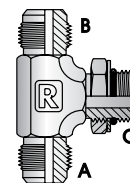
**TEE
O RING SUPPLIED**



| THREAD | | | DASH SIZE | JIC MALE UN O RING MALE JIC MALE |
|--------|--------|--------|-----------|----------------------------------|
| A | B | C | | |
| inch | inch | inch | | PART NO |
| 7/16 | 7/16 | 7/16 | -070707 | S87-070707 |
| 7/16 | 7/8 | 9/16 | -071409 | S87-071409 |
| 9/16 | 9/16 | 9/16 | -090909 | S87-090909 |
| 9/16 | 3/4 | 3/4 | -091212 | S87-091212 |
| 3/4 | 3/4 | 3/4 | -121212 | S87-121212 |
| 3/4 | 3/4 | 7/8 | -121214 | S87-121214 |
| 3/4 | 7/8 | 3/4 | -121412 | S87-121412 |
| 7/8 | 3/4 | 7/8 | -141214 | S87-141214 |
| 7/8 | 7/8 | 3/4 | -141412 | S87-141412 |
| 7/8 | 7/8 | 7/8 | -141414 | S87-141414 |
| 7/8 | 1.1/16 | 7/8 | -141714 | S87-141714 |
| 7/8 | 1.1/16 | 1.1/16 | -141717 | S87-141717 |
| 1.1/16 | 7/8 | 1.1/16 | -171417 | S87-171417 |
| 1.1/16 | 1.1/16 | 9/16 | -171709 | S87-171709 |
| 1.1/16 | 1.1/16 | 3/4 | -171712 | S87-171712 |
| 1.1/16 | 1.1/16 | 7/8 | -171714 | S87-171714 |
| 1.1/16 | 1.1/16 | 1.1/16 | -171717 | S87-171717 |
| 1.5/16 | 1.5/16 | 1.1/16 | -212117 | S87-212117 |
| 1.5/16 | 1.5/16 | 1.5/16 | -212121 | S87-212121 |

JIC/UNO S92

**TEE
O RING SUPPLIED**



| THREAD | | | DASH SIZE | JIC MALE UN O RING MALE |
|--------|--------|--------|-----------|-------------------------|
| A | B | C | | |
| inch | inch | inch | | PART NO |
| 7/16 | 7/16 | 7/16 | -070707 | S92-070707 |
| 1/2 | 1/2 | 1/2 | -080808 | S92-080808 |
| 9/16 | 9/16 | 7/16 | -090907 | S92-090907 |
| 9/16 | 9/16 | 9/16 | -090909 | S92-090909 |
| 9/16 | 9/16 | 3/4 | -090912 | S92-090912 |
| 3/4 | 9/16 | 3/4 | -120912 | S92-120912 |
| 3/4 | 3/4 | 9/16 | -121209 | S92-121209 |
| 3/4 | 3/4 | 3/4 | -121212 | S92-121212 |
| 3/4 | 3/4 | 7/8 | -121214 | S92-121214 |
| 7/8 | 3/4 | 3/4 | -141212 | S92-141212 |
| 7/8 | 7/8 | 7/8 | -141414 | S92-141414 |
| 1.1/16 | 1.1/16 | 1.1/16 | -171717 | S92-171717 |
| 1.5/16 | 1.1/16 | 1.5/16 | -211721 | S92-211721 |
| 1.5/16 | 1.5/16 | 1.1/16 | -212117 | S92-212117 |
| 1.5/16 | 1.5/16 | 1.5/16 | -212121 | S92-212121 |

JOINER S112

TUBE WELD



| TUBE OD | DASH SIZE | JOINER TUBE WELD |
|---------|-----------|------------------|
| inch | | PART NO |
| 3/4 | -1212 | S112-1212 |
| 1 | -1616 | S112-1616 |
| 1.1/4 | -2020 | S112-2020 |
| 1.1/2 | -2424 | S112-2424 |
| 2 | -3232 | S112-3232 |

INTRODUCTION

ADAPTORS

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METRIC ADAPTORS

METRIC M73

PLUG
REQUIRES BONDED
SEAL (P/N MB)



| THREAD A | METRIC PLUG |
|-------------|----------------|
| mm | PART NO |
| 12x1,5 | M73-1215 |
| 14x1,5 | M73-1415 |
| 16x1,5 | M73-1615 |
| 18x1,5 | M73-1815 |
| 20x1,5 | M73-2015 |
| 22x1,5 | M73-2215 |
| 24x1,5 | M73-2415 |
| 26x1,5 | M73-2615 |
| 27x2,0 | M73-2720 |
| 28x1,5 | M73-2815 |
| 30x2,0 | M73-3020 |
| 33x2,0 | M73-3320 |
| 36x2,0 | M73-3620 |
| 42x2,0 | M73-4220 |
| 52x2,0 | M73-5220 |

METRIC MBD

METAL BONDED SEAL
WITH CENTRALISING LIP

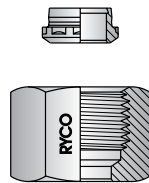


| THREAD | DASH SIZE | METRIC METAL BONDED SEAL WITH CENTRALISING LIP | |
|--------|-----------|---|----------|
| mm | | PART NO | Pack Qty |
| 10 | -10 | MBD-10 | 10 |
| 12 | -12 | MBD-12 | 10 |
| 14 | -14 | MBD-14 | 10 |
| 16 | -16 | MBD-16 | 10 |
| 18 | -18 | MBD-18 | 10 |
| 20 | -20 | MBD-20 | 10 |
| 22 | -22 | MBD-22 | 5 |
| 24 | -24 | MBD-24 | 5 |
| 26 | -26 | MBD-26 | 5 |
| 30 | -30 | MBD-30 | 5 |
| 28 | -28 | MBD-28 | 5 |
| 30 | -30 | MBD-30 | 5 |
| 33 | -33 | MBD-33 | 5 |
| 36 | -36 | MBD-36 | 5 |
| 42 | -42 | MBD-42 | 5 |
| 48 | -48 | MBD-48 | 5 |

Note: Bonded Seals are sold only in packs of 5 or 10. Part Number Series for individual seal is MB. Example: Order Part No MB-12 for individual seal. (D is removed from MBD).

METRIC M6L

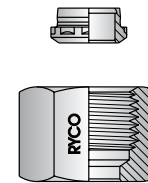
DLK LIGHT SERIES
NUT AND OLIVE
(CUTTING RING)



| THREAD | TUBE OD | DASH SIZE | DKL NUT AND OLIVE |
|--------|------------|--------------|----------------------|
| mm | mm | | PART NO |
| 12x1,5 | 6 | -06 | M6L-06 |
| 14x1,5 | 8 | -08 | M6L-08 |
| 16x1,5 | 10 | -10 | M6L-10 |
| 18x1,5 | 12 | -12 | M6L-12 |
| 22x1,5 | 15 | -15 | M6L-15 |
| 26x1,5 | 18 | -18 | M6L-18 |
| 30x2,0 | 22 | -22 | M6L-22 |
| 36x2,0 | 28 | -28 | M6L-28 |

METRIC M6S

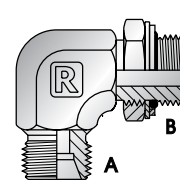
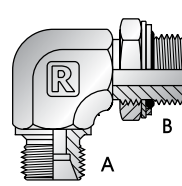
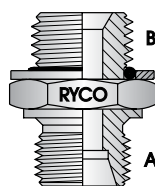
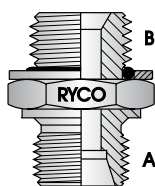
DKS HEAVY SERIES
NUT AND OLIVE
(CUTTING RING)



| THREAD | TUBE OD | DASH SIZE | DKS NUT AND OLIVE |
|--------|------------|--------------|----------------------|
| mm | mm | | PART NO |
| 14x1,5 | 6 | -06 | M6S-06 |
| 16x1,5 | 8 | -08 | M6S-08 |
| 18x1,5 | 10 | -10 | M6S-10 |
| 20x1,5 | 12 | -12 | M6S-12 |
| 22x1,5 | 14 | -14 | M6S-14 |
| 24x1,5 | 16 | -16 | M6S-16 |
| 30x2,0 | 20 | -20 | M6S-20 |
| 36x2,0 | 25 | -25 | M6S-25 |
| 42x2,0 | 30 | -30 | M6S-30 |
| 52x2,0 | 38 | -38 | M6S-38 |

| METRIC/BSPP O RING | M75L | M75S | M77L | M77S |
|--------------------|------|------|------|------|
|--------------------|------|------|------|------|

STRAIGHT
90° ELBOW
BSPP O RING AND RETAINING
RING SUPPLIED
METRIC END REQUIRES
BONDED SEAL (P/N MB)
IF USED IN A PORT



| THREAD | | DASH SIZE | DKL MALE 24° CONE BSPP O RING MALE | | DKS MALE 24° CONE BSPP O RING MALE | | DKL MALE 24° CONE BSPP O RING MALE 90° ELBOW | | DKS MALE 24° CONE BSPP O RING MALE 90° ELBOW | |
|--------|-------|-----------|---------------------------------------|---------------|---------------------------------------|---------------|--|---------------|--|---------------|
| A | B | | PART NO | Tube OD mm | PART NO | Tube OD mm | PART NO | Tube OD mm | PART NO | Tube OD mm |
| 14x1,5 | 1/4 | -1404 | M75L-1404 | 8 | | | | | | |
| 16x1,5 | 1/4 | -1604 | | | M75S-1604 | 8 | | | | |
| 18x1,5 | 1/8 | -1802 | | | M75S-1802 | 10 | | | | |
| 18x1,5 | 1/4 | -1804 | | | M75S-1804 | 10 | M77L-1804 | 12 | M77S-1804 | 10 |
| 18x1,5 | 3/8 | -1806 | | | M75S-1806 | 10 | M77L-1806 | 12 | | |
| 18x1,5 | 1/2 | -1808 | M75L-1808 | 12 | | | M77L-1808 | 12 | | |
| 20x1,5 | 3/8 | -2006 | | | M75S-2006 | 12 | | | | |
| 22x1,5 | 1/2 | -2208 | | | M75S-2208 | 14 | | | | |
| 22x1,5 | 3/4 | -2212 | M75L-2212 | 15 | | | | | | |
| 24x1,5 | 3/8 | -2406 | | | M75S-2406 | 16 | | | | |
| 24x1,5 | 1/2 | -2408 | | | M75S-2408 | 16 | | | M77S-2408 | 16 |
| 30x2,0 | 1/2 | -3008 | | | | | | | M77S-3008 | 20 |
| 30x2,0 | 3/4 | -3012 | | | M75S-3012 | 20 | | | | |
| 36x2,0 | 3/4 | -3612 | | | M75S-3612 | 25 | | | M77S-3612 | 25 |
| 36x2,0 | 1 | -3616 | | | M75S-3616 | 25 | | | | |
| 42x2,0 | 3/4 | -4212 | | | | | | | M77S-4212 | 30 |
| 42x2,0 | 1.1/4 | -4220 | | | M75S-4220 | 30 | | | | |
| 52x2,0 | 1.1/2 | -5224 | | | M75S-5224 | 38 | | | | |

INTRODUCTION

ADAPTORS

COUPLINGS

ADAPTORS

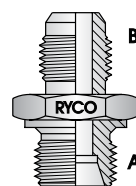
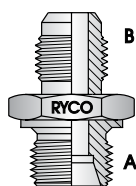
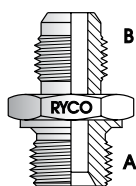
TECHNICAL

ADAPTORS

METRIC ADAPTORS

| METRIC/JIC | M7 | M7L | M7S |
|------------|----|-----|-----|
|------------|----|-----|-----|

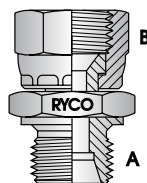
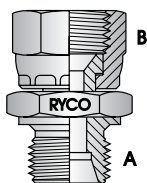
**STRAIGHT
METRIC END REQUIRES
BONDED SEAL (P/N MB)
IF USED IN A PORT**



| THREAD | | DASH SIZE | METRIC MALE JIC MALE | DKL MALE 24° CONE JIC MALE | Tube OD mm | DKS MALE 24° CONE JIC MALE | Tube OD mm |
|--------|--------|--------------|-------------------------|-------------------------------|---------------|-------------------------------|---------------|
| A | B | | | | | | |
| inch | inch | | PART NO | PART NO | | PART NO | |
| 12x1,5 | 7/16 | -1207 | | M7L-1207 | 6 | | |
| 12x1,5 | 9/16 | -1209 | | M7L-1209 | 6 | | |
| 14x1,5 | 9/16 | -1409 | | M7L-1409 | 8 | | |
| 14x1,5 | 3/4 | -1412 | | M7L-1412 | 8 | | |
| 16x1,5 | 7/16 | -1607 | M7-1607 | M7L-1607 | 10 | | |
| 16x1,5 | 9/16 | -1609 | M7-1609 | | | | |
| 16x1,5 | 3/4 | -1612 | M7-1612 | | | | |
| 16x1,5 | 7/8 | -1614 | M7-1614 | | | | |
| 18x1,5 | 9/16 | -1809 | | | | M7S-1809 | 10 |
| 18x1,5 | 9/16 | -1809 | M7-1809 | M7L-1809 | 12 | | |
| 18x1,5 | 3/4 | -1812 | M7-1812 | M7L-1812 | 12 | | |
| 18x1,5 | 7/8 | -1814 | M7-1814 | | | | |
| 20x1,5 | 3/4 | -2012 | M7-2012 | | | | |
| 20x1,5 | 7/8 | -2014 | M7-2014 | | | | |
| 20x1,5 | 1.1/16 | -2017 | M7-2017 | | | | |
| 22x1,5 | 3/4 | -2212 | | M7L-2212 | 15 | | |
| 22x1,5 | 7/8 | -2214 | | M7L-2214 | 15 | | |
| 22x1,5 | 1.1/16 | -2217 | M7-2217 | | | | |
| 24x1,5 | 3/4 | -2412 | | | | M7S-2412 | 16 |
| 24x1,5 | 1.1/16 | -2417 | | | | M7S-2417 | 16 |
| 26x1,5 | 1.1/16 | -2617 | M7-2617 | | | | |
| 26x1,5 | 1.5/16 | -2621 | M7-2621 | | | | |
| 27x2,0 | 1.1/16 | -2717 | M7-2717 | | | | |
| 27x2,0 | 1.5/16 | -2721 | M7-2721 | | | | |
| 28x1,5 | 1.1/16 | -2817 | M7-2817 | | | | |
| 28x1,5 | 1.5/16 | -2821 | M7-2821 | | | | |
| 30x2,0 | 7/8 | -3014 | | | | M7S-3014 | 20 |
| 33x2,0 | 1.1/16 | -3317 | M7-3317 | | | | |
| 33x2,0 | 1.5/16 | -3321 | M7-3321 | | | | |
| 33x2,0 | 1.5/8 | -3326 | M7-3326 | | | | |
| 36x2,0 | 1.1/16 | -3617 | | | | M7S-3617 | 25 |
| 42x2,0 | 1.5/16 | -4221 | M7-4221 | | | M7S-4221 | 30 |
| 42x2,0 | 1.5/8 | -4226 | M7-4226 | | | | |
| 42x2,0 | 1.7/8 | -4230 | M7-4230 | | | | |
| 48x2,0 | 1.5/8 | -4826 | M7-4826 | | | | |
| 48x2,0 | 1.7/8 | -4830 | M7-4830 | | | | |

| | | |
|-------------------|-------------|-------------|
| METRIC/JIC | M71L | M71S |
|-------------------|-------------|-------------|

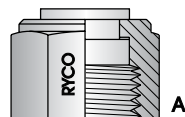
**STRAIGHT
METRIC END REQUIRES
BONDED SEAL (P/N MB)
IF USED IN A PORT**



| THREAD | | DASH SIZE | DKL MALE 24° CONE JIC FEMALE | | DKS MALE 24° CONE JIC FEMALE | |
|--------|--------|-----------|---------------------------------|---------------|---------------------------------|---------------|
| A | B | | part no | Tube OD mm | part no | Tube OD mm |
| 18x1,5 | 7/16 | -1807 | | | M71S-1807 | 10 |
| 18x1,5 | 9/16 | -1809 | | | M71S-1809 | 10 |
| 18x1,5 | 9/16 | -1809 | M71L-1809 | 12 | | |
| 24x1,5 | 3/4 | -2412 | | | M71S-2412 | 16 |
| 30x2,0 | 1.1/16 | -3017 | | | M71S-3017 | 20 |

| | | |
|-------------|-------------|-------------|
| ORFS | S111 | S113 |
|-------------|-------------|-------------|

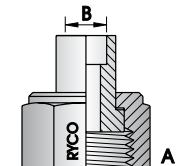
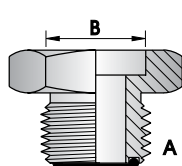
**PLUG
CAP
O RING INCLUDED**



| THREAD A | DASH SIZE | ORFS MALE PLUG | ORFS FEMALE CAP |
|-------------|--------------|-------------------|--------------------|
| inch | | PART NO | PART NO |
| 9/16 | -09 | S111-09 | S113-09 |
| 11/16 | -11 | S111-11 | S113-11 |
| 13/16 | -13 | S111-13 | S113-13 |
| 1 | -16 | S111-16 | S113-16 |
| 1.3/16 | -19 | S111-19 | S113-19 |
| 1.7/16 | -23 | S111-23 | S113-23 |
| 1.11/16 | -27 | S111-27 | S113-27 |
| 2 | -32 | S111-32 | S113-32 |

| | | |
|-------------|-------------|-------------|
| ORFS | S115 | S106 |
|-------------|-------------|-------------|

**TUBE WELD
O RING INCLUDED**



| THREAD A | TUBE OD B | DASH SIZE | ORFS MALE TUBE WELD | ORFS FEMALE SWIVEL TUBE WELD |
|-------------|--------------|--------------|------------------------|------------------------------------|
| inch | inch | | PART NO | PART NO |
| 9/16 | 1/4 | -0904 | S115-0904 | S106-0904 |
| 11/16 | 3/8 | -1106 | S115-1106 | S106-1106 |
| 13/16 | 1/2 | -1308 | S115-1308 | S106-1308 |
| 1 | 5/8 | -1610 | S115-1610 | S106-1610 |
| 1.3/16 | 3/4 | -1912 | S115-1912 | S106-1912 |
| 1.7/16 | 1 | -2316 | S115-2316 | S106-2316 |
| 1.11/16 | 1.1/4 | -2720 | S115-2720 | S106-2720 |

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ADAPTORS

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ADAPTORS

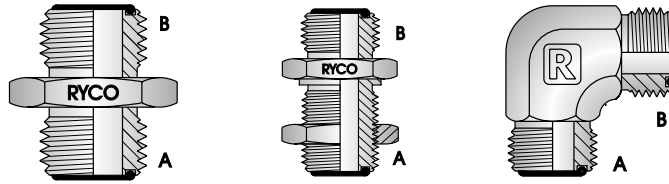
TECHNICAL

ADAPTORS

ORFS ADAPTORS

| ORFS/ORFS | S116 | S141 | S117 |
|-----------|------|------|------|
|-----------|------|------|------|

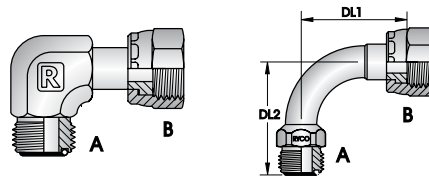
STRAIGHT
BULKHEAD NIPPLE
90° ELBOW
O RINGS INCLUDED



| THREAD | | DASH SIZE | ORFS MALE ORFS MALE | ORFS MALE BULKHEAD ORFS MALE | ORFS MALE ORFS MALE 90° ELBOW |
|---------|---------|-----------|------------------------|------------------------------------|-------------------------------------|
| A | B | | | | |
| inch | inch | | PART NO | PART NO | PART NO |
| 9/16 | 9/16 | -0909 | S116-0909 | S141-0909 | S117-0909 |
| 11/16 | 9/16 | -1109 | S116-1109 | | |
| 11/16 | 11/16 | -1111 | S116-1111 | S141-1111 | S117-1111 |
| 13/16 | 11/16 | -1311 | S116-1311 | | |
| 13/16 | 13/16 | -1313 | S116-1313 | S141-1313 | S117-1313 |
| 1 | 13/16 | -1613 | S116-1613 | | |
| 1 | 1 | -1616 | S116-1616 | S141-1616 | S117-1616 |
| 1.3/16 | 9/16 | -1909 | S116-1909 | | |
| 1.3/16 | 13/16 | -1913 | S116-1913 | | |
| 1.3/16 | 1 | -1916 | S116-1916 | | |
| 1.3/16 | 1.3/16 | -1919 | S116-1919 | S141-1919 | S117-1919 |
| 1.7/16 | 1.3/16 | -2319 | S116-2319 | | |
| 1.7/16 | 1.7/16 | -2323 | S116-2323 | S141-2323 | S117-2323 |
| 1.11/16 | 1.11/16 | -2727 | | S141-2727 | |

| ORFS/ORFS | S118 | S154 |
|-----------|------|------|
|-----------|------|------|

STRAIGHT
BULKHEAD NIPPLE
90° ELBOW
O RINGS INCLUDED

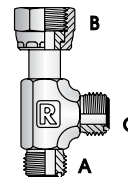
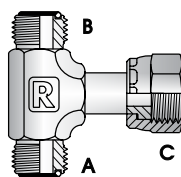
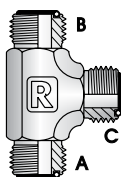


| THREAD | | DASH SIZE | ORFS MALE ORFS FEMALE SWIVEL 90° ELBOW | ORFS MALE ORFS MALE 90° ELBOW | DL1 | DL2 |
|--------|--------|-----------|--|-------------------------------------|-----|-----|
| A | B | | | | | |
| inch | inch | | PART NO | PART NO | | |
| 9/16 | 9/16 | -0909 | S118-0909 | | | |
| 11/16 | 11/16 | -1111 | S118-1111 | | | |
| 13/16 | 13/16 | -1313 | S118-1313 | | | |
| 1 | 1 | -1616 | S118-1616 | | | |
| 1.3/16 | 1.3/16 | -1919 | S118-1919 | | | |
| 1.7/16 | 1.7/16 | -2323 | S118-2323 | S154-2323 | 84 | 80 |

NOTE: Drop Lengths (DL) dimensions are in millimetres.

| | | | |
|------------------|-------------|-------------|-------------|
| ORFS/ORFS | S119 | S120 | S121 |
|------------------|-------------|-------------|-------------|

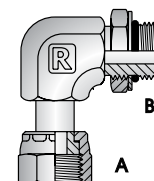
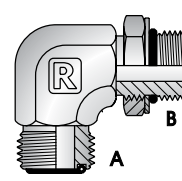
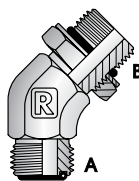
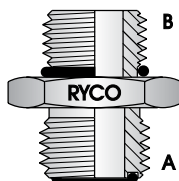
TEE
O RINGS INCLUDED



| THREAD | | | DASH SIZE | ORFS MALE | ORFS MALE | ORFS MALE |
|--------|--------|--------|-----------|-------------|--------------------|--------------------|
| A | B | C | | ORFS MALE | ORFS FEMALE SWIVEL | ORFS FEMALE SWIVEL |
| inch | inch | inch | | PART NO | PART NO | PART NO |
| 9/16 | 9/16 | 9/16 | -090909 | S119-090909 | S120-090909 | S121-090909 |
| 11/16 | 11/16 | 11/16 | -111111 | S119-111111 | | S121-111111 |
| 13/16 | 13/16 | 13/16 | -131313 | S119-131313 | S120-131313 | S121-131313 |
| 1 | 1 | 13/16 | -161613 | | | S121-161613 |
| 1 | 1 | 1 | -161616 | S119-161616 | S120-161616 | S121-161616 |
| 1.3/16 | 1.3/16 | 13/16 | -191913 | | | S121-191913 |
| 1.3/16 | 1.3/16 | 1.3/16 | -191919 | S119-191919 | S120-191919 | S121-191919 |
| 1.7/16 | 1.7/16 | 1.7/16 | -232323 | S119-232323 | S120-232323 | S121-232323 |

| | | | | |
|-----------------|-------------|-------------|-------------|-------------|
| ORFS/UNO | S122 | S123 | S124 | S125 |
|-----------------|-------------|-------------|-------------|-------------|

STRAIGHT
45° ELBOW
90° ELBOW
O RINGS INCLUDED



| THREAD | | DASH SIZE | ORFS MALE | ORFS MALE | ORFS MALE | ORFS FEMALE SWIVEL |
|---------|--------|-----------|----------------|----------------|----------------|--------------------|
| A | B | | UN O RING MALE | UN O RING MALE | UN O RING MALE | UN O RING MALE |
| inch | inch | | PART NO | PART NO | PART NO | PART NO |
| 9/16 | 7/16 | -0907 | S122-0907 | S123-0907 | S124-0907 | S125-0907 |
| 9/16 | 9/16 | -0909 | S122-0909 | S123-0909 | S124-0909 | |
| 9/16 | 3/4 | -0912 | S122-0912 | | | |
| 11/16 | 7/16 | -1107 | S122-1107 | S123-1107 | S124-1107 | |
| 11/16 | 9/16 | -1109 | S122-1109 | S123-1109 | S124-1109 | S125-1109 |
| 13/16 | 9/16 | -1309 | S122-1309 | | S124-1309 | |
| 13/16 | 3/4 | -1312 | S122-1312 | S123-1312 | S124-1312 | S125-1312 |
| 13/16 | 7/8 | -1314 | S122-1314 | | | |
| 13/16 | 1.1/16 | -1317 | S122-1317 | | | |
| 1 | 3/4 | -1612 | S122-1612 | | S124-1612 | |
| 1 | 7/8 | -1614 | S122-1614 | S123-1614 | S124-1614 | S125-1614 |
| 1 | 1.1/16 | -1617 | S122-1617 | | | |
| 1.3/16 | 7/8 | -1914 | S122-1914 | | S124-1914 | |
| 1.3/16 | 1.1/16 | -1917 | S122-1917 | S123-1917 | S124-1917 | S125-1917 |
| 1.3/16 | 1.5/16 | -1921 | S122-1921 | | | |
| 1.7/16 | 1.1/16 | -2317 | S122-2317 | | | |
| 1.7/16 | 1.5/16 | -2321 | S122-2321 | S123-2321 | S124-2321 | S125-2321 |
| 1.11/16 | 1.5/8 | -2726 | S122-2726 | | | |
| 2 | 1.5/8 | -3226 | S122-3226 | | | |

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ADAPTORS

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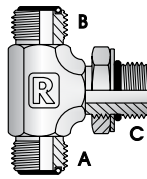
TECHNICAL

ADAPTORS

ORFS ADAPTORS

| | |
|-----------------|-------------|
| ORFS/UNO | S126 |
|-----------------|-------------|

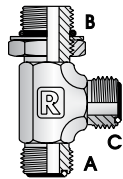
**TEE
O RINGS INCLUDED**



| THREAD | | | DASH SIZE | ORFS MALE |
|--------|-------|------|-----------|-----------------------------|
| A | B | C | | ORFS MALE UN O RING MALE |
| inch | inch | inch | | PART NO |
| 13/16 | 13/16 | 3/4 | -131312 | S126-131312 |

| | |
|-----------------|-------------|
| ORFS/UNO | S127 |
|-----------------|-------------|

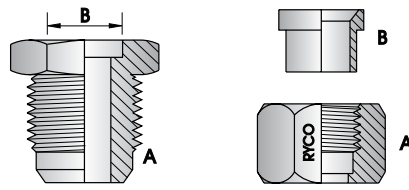
**TEE
O RINGS INCLUDED**



| THREAD | | | DASH SIZE | ORFS MALE |
|---------|--------|---------|-----------|-----------------------------|
| A | B | C | | UN O RING MALE ORFS MALE |
| inch | inch | inch | | PART NO |
| 9/16 | 7/16 | 9/16 | -090709 | S127-090709 |
| 11/16 | 9/16 | 11/16 | -110911 | S127-110911 |
| 13/16 | 3/4 | 13/16 | -131213 | S127-131213 |
| 1 | 7/8 | 1 | -161416 | S127-161416 |
| 1.3/16 | 1.1/16 | 1.3/16 | -191719 | S127-191719 |
| 1.7/16 | 1.5/16 | 1.7/16 | -232123 | S127-232123 |
| 1.11/16 | 1.5/8 | 1.11/16 | -272627 | S127-272627 |

| | | |
|------------|-------------|------------|
| SAE | SA51 | SA6 |
|------------|-------------|------------|

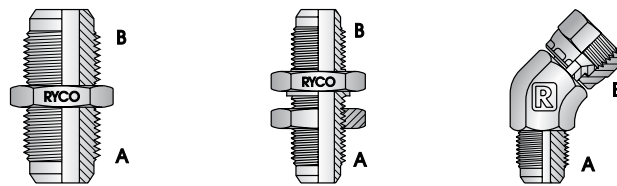
**TUBE WELD
TUBE NUT &
SLEEVE
(FLARE TYPE)**



| THREAD A | TUBE OD B | DASH SIZE | SAE MALE TUBE WELD | SAE FEMALE NUT AND SLEEVE |
|-------------|--------------|--------------|-----------------------|------------------------------|
| inch | inch | | PART NO | PART NO |
| 5/8 | 3/8 | -1006 | SA51-1006 | SA6-1006 |
| 1.1/16 | 3/4 | -1712 | | SA6-1712 |

| | | | |
|----------------|-------------|-------------|-------------|
| SAE/SAE | SA17 | SA10 | SA23 |
|----------------|-------------|-------------|-------------|

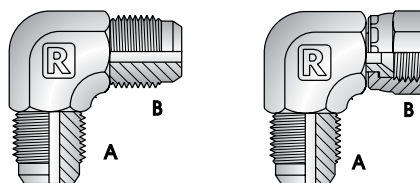
**STRAIGHT
BULKHEAD NIPPLE
45° ELBOW**



| THREAD | | DASH SIZE | SAE MALE SAE MALE | SAE MALE BULKHEAD SAE MALE | SAE MALE SAE FEMALE SWIVEL 45° ELBOW |
|--------|--------|--------------|----------------------|----------------------------------|--|
| A | B | | | | |
| inch | inch | | PART NO | PART NO | PART NO |
| 7/16 | 7/16 | -0707 | SA17-0707 | | |
| 1/2 | 1/2 | -0808 | SA17-0808 | SA10-0808 | |
| 5/8 | 5/8 | -1010 | SA17-1010 | | SA23-1010 |
| 3/4 | 3/4 | -1212 | SA17-1212 | SA10-1212 | |
| 7/8 | 7/8 | -1414 | SA17-1414 | | |
| 1.1/16 | 1.1/16 | -1717 | SA17-1717 | | |

| | | |
|----------------|-------------|-------------|
| SAE/SAE | SA18 | SA15 |
|----------------|-------------|-------------|

90° ELBOW



| THREAD | | DASH SIZE | SAE MALE SAE MALE 90° ELBOW | SAE MALE SAE FEMALE SWIVEL 90° ELBOW |
|--------|--------|--------------|-----------------------------------|--|
| A | B | | | |
| inch | inch | | PART NO | PART NO |
| 5/8 | 5/8 | -1010 | SA18-1010 | SA15-1010 |
| 3/4 | 3/4 | -1212 | | SA15-1212 |
| 7/8 | 7/8 | -1414 | | SA15-1414 |
| 1.1/16 | 1.1/16 | -1717 | | SA15-1717 |

INTRODUCTION

ADAPTORS

COUPLINGS

ADAPTORS

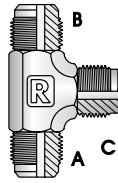
TECHNICAL

ADAPTORS

SAE ADAPTORS

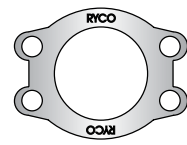
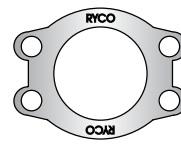
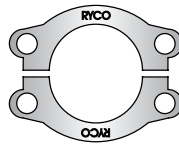
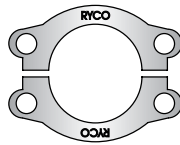
| | |
|----------------|-------------|
| SAE/SAE | SA19 |
|----------------|-------------|

TEE



| THREAD | | | DASH SIZE | SAE MALE SAE MALE SAE MALE |
|--------|------|------|-----------|----------------------------------|
| A | B | C | | |
| inch | inch | inch | | PART NO |
| 5/8 | 5/8 | 5/8 | -101010 | SA19-101010 |

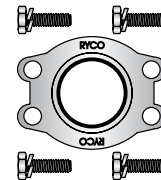
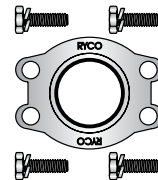
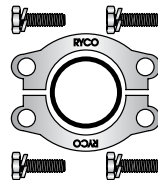
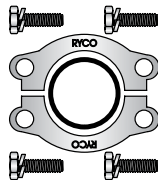
| | | | | |
|--------------------------|------------|------------|-------------|-------------|
| SAE FLANGE CLAMPS | S40 | S42 | S140 | S142 |
|--------------------------|------------|------------|-------------|-------------|



| NOMINAL FLANGE | DASH SIZE | SPLIT FLANGE CLAMPS CODE 61 SUPPLIED IN PAIRS | SPLIT FLANGE CLAMPS CODE 62 SUPPLIED IN PAIRS | SOLID FLANGE CLAMP CODE 61 | SOLID FLANGE CLAMP CODE 62 |
|----------------|-----------|---|---|----------------------------------|----------------------------------|
| inch | | PART NO | PART NO | PART NO | PART NO |
| 1/2 | -08 | S40-08 | S42-08 | S140-08 | S142-08 |
| 3/4 | -12 | S40-12 | S42-12 | S140-12 | S142-12 |
| 1 | -16 | S40-16 | S42-16 | S140-16 | S142-16 |
| 1.1/4 | -20 | S40-20 | S42-20 | S140-20 | S142-20 |
| 1.1/2 | -24 | S40-24 | S42-24 | S140-24 | S142-24 |
| 2 | -32 | S40-32 | S42-32 | S140-32 | S142-32 |
| 2.1/2 | -40 | S40-40 | | S140-40 | |
| 3 | -48 | S40-48 | | S140-48 | |
| 4 | -64 | S40-64 | | S140-64 | |

| | | | | |
|--|-------------|-------------|--------------|--------------|
| SAE FLANGE CLAMP KITS - UNC BOLTS | S40K | S42K | S140K | S142K |
|--|-------------|-------------|--------------|--------------|

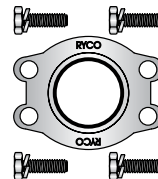
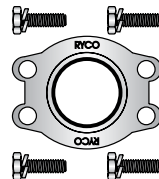
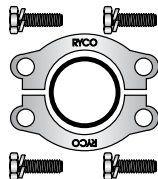
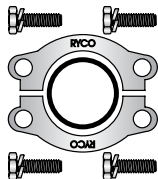
WITH O RING
BOLTS &
WASHERS



| NOMINAL FLANGE | DASH SIZE | UNC BOLTS SPLIT FLANGE CLAMP KITS CODE 61 | UNC BOLTS SPLIT FLANGE CLAMP KITS CODE 62 | UNC BOLTS SOLID FLANGE CLAMP KITS CODE 61 | UNC BOLTS SOLID FLANGE CLAMP KITS CODE 62 |
|----------------|-----------|---|---|---|---|
| inch | | PART NO | PART NO | PART NO | PART NO |
| 1/2 | -08 | S40K-08 | S42K-08 | S140K-08 | S142K-08 |
| 3/4 | -12 | S40K-12 | S42K-12 | S140K-12 | S142K-12 |
| 1 | -16 | S40K-16 | S42K-16 | S140K-16 | S142K-16 |
| 1.1/4 | -20 | S40K-20 | S42K-20 | S140K-20 | S142K-20 |
| 1.1/2 | -24 | S40K-24 | S42K-24 | S140K-24 | S142K-24 |
| 2 | -32 | S40K-32 | S42K-32 | S140K-32 | S142K-32 |
| 2.1/2 | -40 | S40K-40 | | S140K-40 | |

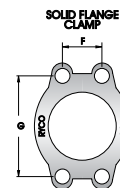
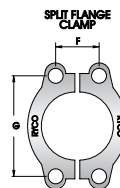
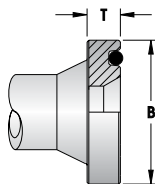
| | | | | |
|---|-------------|-------------|--------------|--------------|
| SAE FLANGE CLAMP KITS - METRIC BOLTS | S40M | S42M | S140M | S142M |
|---|-------------|-------------|--------------|--------------|

WITH O RING,
BOLTS &
WASHERS



| NOMINAL FLANGE | DASH SIZE | METRIC BOLTS SPLIT FLANGE CLAMP KITS CODE 61 | METRIC BOLTS SPLIT FLANGE CLAMP KITS CODE 62 | METRIC BOLTS SOLID FLANGE CLAMP KITS CODE 61 | METRIC BOLTS SOLID FLANGE CLAMP KITS CODE 62 |
|----------------|-----------|--|--|--|--|
| inch | | PART NO | PART NO | PART NO | PART NO |
| 1/2 | -08 | S40M-08 | S42M-08 | S140M-08 | S142M-08 |
| 3/4 | -12 | S40M-12 | S42M-12 | S140M-12 | S142M-12 |
| 1 | -16 | S40M-16 | S42M-16 | S140M-16 | S142M-16 |
| 1.1/4 | -20 | S40M-20 | S42M-20 | S140M-20 | S142M-20 |
| 1.1/2 | -24 | S40M-24 | S42M-24 | S140M-24 | S142M-24 |
| 2 | -32 | S40M-32 | S42M-32 | S140M-32 | S142M-32 |
| 2.1/2 | -40 | S40M-40 | | S140M-40 | |

DIMENSIONS OF SAE FLANGES & FLANGE CLAMPS



| NOM. FLANGE | DASH SIZE | BØ | | T | | F | | G | | PORT THREAD & BOLT LENGTH | | | |
|----------------|-----------|-------|------|-------|-------|------|------|-------|------|---------------------------|-------|------------|------|
| | | mm | inch | mm | inch | mm | inch | mm | inch | PORT | BOLT | PORT | BOLT |
| inch | | mm | inch | mm | inch | mm | inch | mm | inch | UNC | inch | METRIC | mm |
| CODE 61 | | | | | | | | | | | | | |
| 1/2 | -08 | 30,2 | 1.19 | 6,73 | 0.265 | 17,5 | 0.69 | 38,1 | 1.50 | 5/16 - 18 | 1.1/4 | M8 x 1,25 | 35 |
| *5/8 | -10 | 34,0 | 1.34 | 6,73 | 0.265 | 19,8 | 0.78 | 42,9 | 1.69 | 5/16 - 18 | 1.1/4 | M8 x 1,25 | 35 |
| 3/4 | -12 | 38,1 | 1.50 | 6,73 | 0.265 | 22,2 | 0.88 | 47,6 | 1.88 | 3/8 - 16 | 1.1/4 | M10 x 1,5 | 35 |
| 1 | -16 | 44,5 | 1.75 | 8,00 | 0.315 | 26,2 | 1.03 | 52,4 | 2.06 | 3/8 - 16 | 1.1/4 | M10 x 1,5 | 35 |
| 1.1/4 | -20 | 50,8 | 2.00 | 8,00 | 0.315 | 30,2 | 1.19 | 58,7 | 2.31 | 7/16 - 14 | 1.1/2 | M10 x 1,5 | 40 |
| 1.1/2 | -24 | 60,3 | 2.38 | 8,00 | 0.315 | 35,7 | 1.41 | 69,8 | 2.75 | 1/2 - 13 | 1.1/2 | M12 x 1,75 | 45 |
| 2 | -32 | 71,4 | 2.81 | 9,53 | 0.375 | 42,9 | 1.69 | 77,8 | 3.06 | 1/2 - 13 | 1.1/2 | M12 x 1,75 | 45 |
| 2.1/2 | -40 | 84,1 | 3.31 | 9,53 | 0.375 | 50,8 | 2.00 | 88,9 | 3.50 | 1/2 - 13 | 1.3/4 | M12 x 1,75 | 45 |
| 3 | -48 | 101,6 | 4.00 | 9,53 | 0.375 | 61,9 | 2.44 | 106,4 | 4.19 | 5/8 - 11 | 1.3/4 | M16 x 2,0 | 45 |
| CODE 62 | | | | | | | | | | | | | |
| 1/2 | -08 | 31,7 | 1.25 | 7,75 | 0.305 | 18,2 | 0.72 | 40,5 | 1.59 | 5/16 - 18 | 1.1/4 | M8 x 1,25 | 35 |
| 3/4 | -12 | 41,3 | 1.63 | 8,76 | 0.345 | 23,8 | 0.94 | 50,8 | 2.00 | 3/8 - 16 | 1.1/2 | M10 x 1,5 | 40 |
| 1 | -16 | 47,6 | 1.88 | 9,53 | 0.375 | 27,8 | 1.09 | 57,2 | 2.25 | 7/16 - 14 | 1.3/4 | M12 x 1,75 | 45 |
| 1.1/4 | -20 | 54,0 | 2.12 | 10,29 | 0.405 | 31,8 | 1.25 | 66,7 | 2.63 | 1/2 - 13 | 1.3/4 | M14 x 2,0 | 45 |
| 1.1/2 | -24 | 63,5 | 2.50 | 12,57 | 0.495 | 36,5 | 1.44 | 79,4 | 3.13 | 5/8 - 11 | 2.1/4 | M16 x 2,0 | 60 |
| 2 | -32 | 79,4 | 3.13 | 12,57 | 0.495 | 44,5 | 1.75 | 96,8 | 3.81 | 3/4 - 10 | 2.3/4 | M20 x 2,5 | 70 |

*NOTE: 5/8 is used by Komatsu.

ADAPTORS

SAE ADAPTORS

| SAE FLANGE | S979 | S980 |
|------------|------|------|
|------------|------|------|

BLANK PLUG
O RING NOT SUPPLIED

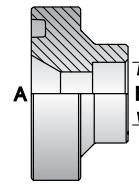
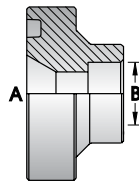
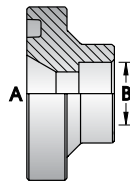


| NOMINAL FLANGE | DASH SIZE | BLANK PLUG CODE 61 | BLANK PLUG CODE 62 |
|----------------|-----------|--------------------|--------------------|
| inch | | PART NO | PART NO |
| 1/2 | -08 | S979-08 | S980-08 |
| 3/4 | -12 | S979-12 | S980-12 |
| 1 | -16 | S979-16 | S980-16 |
| 1.1/4 | -20 | S979-20 | S980-20 |
| 1.1/2 | -24 | S979-24 | S980-24 |
| 2 | -32 | S979-32 | S980-32 |
| 2.1/2 | 40 | S979-40 | |

NOTE: Flat Face side will seal against O Ring port. O Ring side will seal against Flat Face port.
O Ring not supplied.
FLANGE OD can be found on page 443, **CLAMPS** can be found on page 442.

| SAE FLANGE | S981 | S982 | S982C |
|------------|------|------|-------|
|------------|------|------|-------|

TUBE WELD
O RING NOT SUPPLIED
*(5/8 KOMATSU)

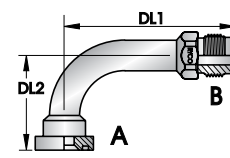
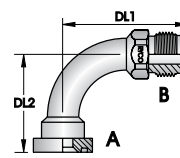
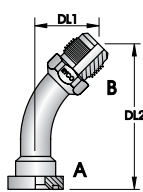
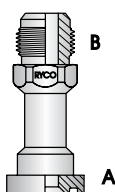


| NOM. FLANGE A | TUBE OD B | DASH SIZE | CODE 61 O RING FACE SOCKET WELD | CODE 62 O RING FACE SOCKET WELD | RYCO CODE 62C O RING FACE SOCKET WELD |
|---------------|-----------|-----------|---------------------------------|---------------------------------|---------------------------------------|
| inch | inch | | PART NO | PART NO | PART NO |
| 1/2 | 5/8 | -0810 | S981-0810 | | |
| *5/8 | 5/8 | -1010 | S981-1010 | | |
| 3/4 | 5/8 | -1210 | S981-1210 | | |
| 3/4 | 3/4 | -1212 | S981-1212 | S982-1212 | S982C-1212 |
| 3/4 | 1 | -1216 | | S982-1216 | |
| 1 | 3/4 | -1612 | S981-1612 | S982-1612 | S982C-1612 |
| 1 | 1 | -1616 | S981-1616 | S982-1616 | S982C-1616 |
| 1 | 1.1/4 | -1620 | S981-1620 | | |
| 1.1/4 | 1 | -2016 | S981-2016 | S982-2016 | S982C-2016 |
| 1.1/4 | 1.1/4 | -2020 | S981-2020 | S982-2020 | S982C-2020 |
| 1.1/4 | 1.1/2 | -2024 | S981-2024 | | |
| 1.1/2 | 1.1/4 | -2420 | S981-2420 | S982-2420 | S982C-2420 |
| 1.1/2 | 1.1/2 | -2424 | S981-2424 | S982-2424 | S982C-2424 |
| 2 | 1.1/4 | -3220 | S981-3220 | | |
| 2 | 1.1/2 | -3224 | S981-3224 | S982-3224 | |
| 2 | 2 | -3232 | S981-3232 | S982-3232 | |
| 2.1/2 | 2 | -4032 | S981-4032 | | |
| 2.1/2 | 2.1/2 | -4040 | S981-4040 | | |

NOTE: FLANGE OD can be found on page 443, CLAMPS can be found on page 442.

| SAE FLANGE/JIC | S1 | S3 | S2 | S2L |
|----------------|----|----|----|-----|
|----------------|----|----|----|-----|

CODE 61
O RING NOT SUPPLIED

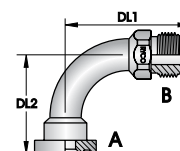
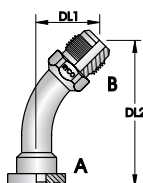
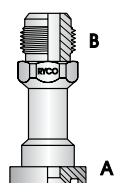


| NOM. FLANGE A | THREAD B | DASH SIZE | CODE 61 FLANGE JIC MALE | CODE 61 FLANGE JIC MALE 45° TUBE BEND | CODE 61 FLANGE JIC MALE 90° TUBE BEND | CODE 61 FLANGE JIC MALE 90° LONG BEND | | | | | | |
|---------------|----------|-----------|-------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------|-----|-----|----------|-----|-----|
| inch | inch | | PART NO | PART NO | DL1 | DL2 | PART NO | DL1 | DL2 | PART NO | DL1 | DL2 |
| 1/2 | 3/4 | -0812 | S1-0812 | S3-0812 | 32 | 61 | S2-0812 | 58 | 41 | | | |
| 1/2 | 7/8 | -0814 | | | | | S2-0814 | 68 | 46 | | | |
| 3/4 | 3/4 | -1212 | S1-1212 | | | | S2-1212 | 57 | 46 | | | |
| 3/4 | 7/8 | -1214 | S1-1214 | S3-1214 | 38 | 71 | S2-1214 | 66 | 50 | | | |
| 3/4 | 1.1/16 | -1217 | S1-1217 | S3-1217 | 41 | 82 | S2-1217 | 75 | 56 | | | |
| 1 | 1.1/16 | -1617 | S1-1617 | S3-1617 | 46 | 85 | S2-1617 | 78 | 61 | | | |
| 1 | 1.5/16 | -1621 | S1-1621 | S3-1621 | 46 | 94 | S2-1621 | 88 | 66 | S2L-1621 | 116 | 66 |
| 1.1/4 | 1.1/16 | -2017 | | | | | S2-2017 | 77 | 62 | | | |
| 1.1/4 | 1.5/16 | -2021 | S1-2021 | S3-2021 | 48 | 96 | S2-2021 | 89 | 69 | | | |
| 1.1/4 | 1.5/8 | -2026 | S1-2026 | S3-2026 | 53 | 110 | S2-2026 | 104 | 81 | | | |
| 1.1/2 | 1.5/16 | -2421 | S1-2421 | | | | S2-2421 | 87 | 74 | | | |
| 1.1/2 | 1.5/8 | -2426 | S1-2426 | S3-2426 | 55 | 113 | S2-2426 | 100 | 86 | | | |
| 1.1/2 | 1.7/8 | -2430 | S1-2430 | S3-2430 | 67 | 125 | S2-2430 | 127 | 93 | | | |
| 2 | 1.5/8 | -3226 | | | | | S2-3226 | 106 | 88 | | | |
| 2 | 1.7/8 | -3230 | S1-3220 | | | | | | | | | |
| 2 | 2.1/2 | -3240 | | | | | S2-3240 | 152 | 125 | | | |

NOTE: Drop Lengths (DL) dimensions are in millimetres.
FLANGE OD can be found on page 443, CLAMPS can be found on page 442.

| SAE FLANGE/JIC | S1H | S3H | S2H |
|----------------|-----|-----|-----|
|----------------|-----|-----|-----|

CODE 62
O RING NOT SUPPLIED



| NOM. FLANGE A | THREAD B | DASH SIZE | CODE 62 FLANGE JIC MALE | CODE 62 FLANGE JIC MALE 45° TUBE BEND | CODE 62 FLANGE JIC MALE 90° TUBE BEND | | | | |
|---------------|----------|-----------|-------------------------|---------------------------------------|---------------------------------------|-----|----------|-----|-----|
| inch | inch | | PART NO | PART NO | DL1 | DL2 | PART NO | DL1 | DL2 |
| 3/4 | 7/8 | -1214 | | | | | S2H-1214 | 66 | 52 |
| 3/4 | 1.1/16 | -1217 | S1H-1217 | S3H-1217 | 48 | 82 | S2H-1217 | 79 | 55 |
| 3/4 | 1.5/16 | -1221 | | | | | S2H-1221 | 83 | 55 |
| 1 | 1.1/16 | -1617 | S1H-1617 | | | | S2H-1617 | 78 | 60 |
| 1 | 1.5/16 | -1621 | S1H-1621 | S3H-1621 | 50 | 95 | S2H-1621 | 87 | 69 |
| 1.1/4 | 1.1/16 | -2017 | | | | | S2H-2017 | 76 | 66 |
| 1.1/4 | 1.5/16 | -2021 | S1H-2021 | | | | | | |
| 1.1/4 | 1.5/8 | -2026 | | | | | S2H-2026 | 105 | 79 |
| 1.1/2 | 1.5/16 | -2421 | S1H-2421 | | | | S2H-2421 | 77 | 90 |
| 1.1/2 | 1.5/8 | -2426 | S1H-2426 | | | | S2H-2426 | 102 | 88 |
| 2 | 2.1/2 | -3240 | | | | | S2H-3240 | 149 | 131 |

NOTE: Drop Lengths (DL) dimensions are in millimetres.
FLANGE OD can be found on page 443, CLAMPS can be found on page 442.

INTRODUCTION

ADAPTORS

COUPLINGS

ADAPTORS

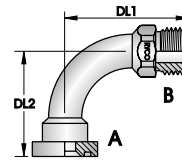
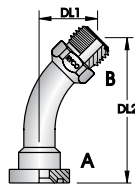
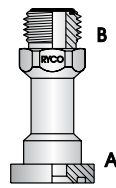
TECHNICAL

ADAPTORS

SAE ADAPTORS & SAE FLANGE BLOCKS

| SAE FLANGE/ORFS | S147H | S146H | S143H |
|-----------------|-------|-------|-------|
|-----------------|-------|-------|-------|

CODE 62
SAE FLANGE
O RING NOT SUPPLIED



| NOM. FLANGE A | THREAD B | DASH SIZE | CODE 62 FLANGE ORFS MALE | CODE 62 FLANGE ORFS MALE 45° TUBE BEND | CODE 62 FLANGE ORFS MALE 90° TUBE BEND |
|---------------|----------|-----------|--------------------------|--|--|
| inch | inch | | PART NO | PART NO | PART NO |
| 1 | 1.7/16 | -1623 | S147H-1623 | S146H-1623 | S143H-1623 |
| 1.1/2 | 2 | -2432 | | | S143H-2432 |

NOTE: Drop Lengths (DL) dimensions are in millimetres.
FLANGE OD can be found on page 443, CLAMPS can be found on page 442.

ADAPTORS – SAE FLANGE BLOCKS

RYCO SAE Flange Blocks shown on pages 446 to 460 incorporate the SAE Flange Head and the SAE Flange Clamp into a single forged carbon steel unit.

RYCO SAE Flange Blocks with O Ring groove have unthreaded bolt holes.

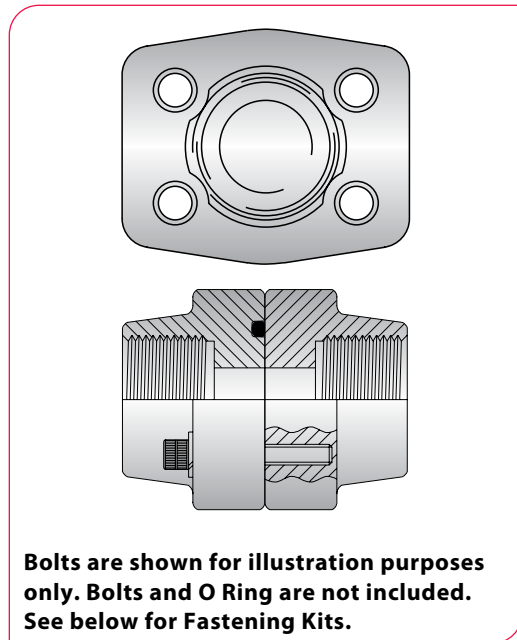
RYCO Flat Flange blocks **S940F**, **S941F**, **S970F**, **S971F**, **S976F**, **S977F**, **S951F** and **S952F** have UNC threaded bolt holes for use with **FK61** and **FK62** Fastening Kits. (NOTE suffix "F" means Flat Face with UNC threaded bolt holes).

RYCO Flat Flange blocks **S940FM**, **S941FM**, **S970FM**, **S971FM**, **S951FM** and **S952FM** have METRIC threaded bolt holes for use with **FK61M** and **FK62M** Fastening Kits. (NOTE suffix "FM" means Flat Face with METRIC threaded bolt holes).

FOR DIMENSIONS OF SAE FLANGE BLOCKS, SEE PAGE 512.

Due to restricted clearance on the neck of Socket Weld and BSPP Female Flange Blocks, Hex Head Bolts cannot be used. **FK61**, **FK61M**, **FK62** and **FK62M** Fastening Kits, which include Socket Head Cap Bolts and special Square Section Spring Washers, must be used.

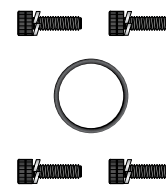
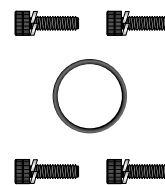
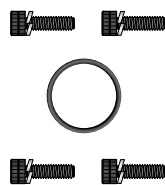
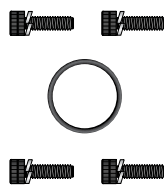
Blind, Butt Weld, BSPP Male and JIC Male Flange Blocks may be used with Hex Head Bolts and standard Spring Washers if preferred.



Bolts are shown for illustration purposes only. Bolts and O Ring are not included. See below for Fastening Kits.

| SAE FLANGE BLOCKS | FK61 | FK62 | FK61M | FK62M |
|-------------------|------|------|-------|-------|
|-------------------|------|------|-------|-------|

FASTENING KITS
WITH O RING,
SOCKET HEAD
CAP BOLTS
& WASHERS



| NOM. FLANGE SIZE | DASH SIZE | SUITS SAE FLANGE BLOCKS CODE 61, UNC BOLTS | SUITS SAE FLANGE BLOCKS CODE 62, UNC BOLTS | SUITS SAE FLANGE BLOCKS CODE 61, METRIC BOLTS | SUITS SAE FLANGE BLOCKS CODE 62, METRIC BOLTS |
|------------------|-----------|--|--|---|---|
| inch | | PART NO | PART NO | PART NO | PART NO |
| 1/2 | -08 | FK61-08 | FK62-08 | FK61M-08 | FK62M-08 |
| 3/4 | -12 | FK61-12 | FK62-12 | FK61M-12 | FK62M-12 |
| 1 | -16 | FK61-16 | FK62-16 | FK61M-16 | FK62M-16 |
| 1.1/4 | -20 | FK61-20 | FK62-20 | FK61M-20 | FK62M-20 |
| 1.1/2 | -24 | FK61-24 | FK62-24 | FK61M-24 | FK62M-24 |
| 2 | -32 | FK61-32 | FK62-32 | FK61M-32 | FK62M-32 |

| | | |
|--------------------------|-------------|-------------|
| SAE FLANGE BLOCKS | S967 | S968 |
|--------------------------|-------------|-------------|

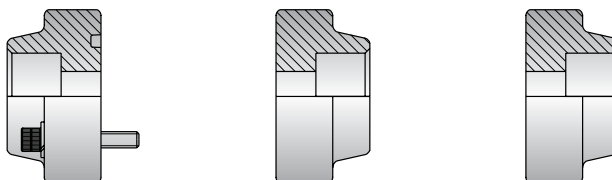
**BLIND BLANKING
FLANGE
O RING & BOLTS
NOT SUPPLIED**



| NOM. FLANGE SIZE | DASH SIZE | CODE 61 FLANGE BLIND | CODE 62 FLANGE BLIND |
|------------------|-----------|----------------------|----------------------|
| inch | | PART NO | PART NO |
| 1/2 | -08 | S967-08 | S968-08 |
| 3/4 | -12 | S967-12 | S968-12 |
| 1 | -16 | S967-16 | S968-16 |
| 1.1/4 | -20 | S967-20 | S968-20 |
| 1.1/2 | -24 | S967-24 | S968-24 |
| 2 | -32 | S967-32 | S968-32 |

| | | | |
|--------------------------|-------------|--------------|---------------|
| SAE FLANGE BLOCKS | S940 | S940F | S940FM |
|--------------------------|-------------|--------------|---------------|

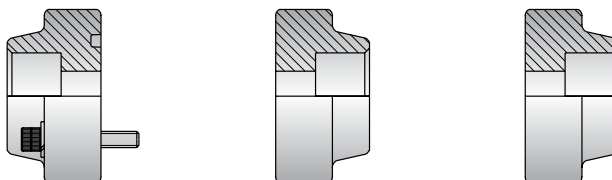
**CODE 61
SOCKET WELD
TO SUIT IMPERIAL TUBE
O RING & BOLTS NOT SUPPLIED**



| NOM. FLANGE SIZE | NOM. TUBE SIZE | DASH SIZE | TO SUIT TUBE OD | CODE 61 FLANGE SOCKET WELD TUBE | CODE 61 FLANGE FLAT SOCKET WELD TUBE UNC BOLT HOLES | CODE 61 FLANGE FLAT SOCKET WELD TUBE METRIC BOLT HOLES |
|------------------|----------------|-----------|-----------------|---------------------------------|---|--|
| inch | inch | | mm | PART NO | PART NO | PART NO |
| 1/2 | 1/2 | -0808 | 12,7 | S940-0808 | S940F-0808 | S940FM-0808 |
| 3/4 | 3/4 | -1212 | 19,1 | S940-1212 | S940F-1212 | S940FM-1212 |
| 1 | 1 | -1616 | 25,4 | S940-1616 | S940F-1616 | S940FM-1616 |
| 1.1/4 | 1.1/4 | -2020 | 31,8 | S940-2020 | S940F-2020 | S940FM-2020 |
| 1.1/2 | 1.1/2 | -2424 | 38,1 | S940-2424 | S940F-2424 | S940FM-2424 |
| 2 | 2 | -3232 | 50,8 | S940-3232 | S940F-3232 | S940FM-3232 |

| | | | |
|--------------------------|-------------|--------------|---------------|
| SAE FLANGE BLOCKS | S941 | S941F | S941FM |
|--------------------------|-------------|--------------|---------------|

**CODE 62
SOCKET WELD
TO SUIT IMPERIAL TUBE
O RING & BOLTS NOT SUPPLIED**



| NOM. FLANGE SIZE | NOM. TUBE SIZE | DASH SIZE | TO SUIT TUBE OD | CODE 62 FLANGE SOCKET WELD TUBE | CODE 62 FLANGE FLAT SOCKET WELD TUBE UNC BOLT HOLES | CODE 62 FLANGE FLAT SOCKET WELD TUBE METRIC BOLT HOLES |
|------------------|----------------|-----------|-----------------|---------------------------------|---|--|
| inch | inch | | mm | PART NO | PART NO | PART NO |
| 3/4 | 3/4 | -1212 | 19,1 | S941-1212 | S941F-1212 | S941FM-1212 |
| 1 | 1 | -1616 | 25,4 | S941-1616 | S941F-1616 | S941FM-1616 |
| 1.1/4 | 1.1/4 | -2020 | 31,8 | S941-2020 | S941F-2020 | S941FM-2020 |
| 1.1/2 | 1.1/2 | -2424 | 38,1 | S941-2424 | S941F-2424 | S941FM-2424 |
| 2 | 2 | -3232 | 50,8 | S941-3232 | S941F-3232 | S941FM-3232 |

NOTE: Bolts are shown for illustration purposes only. Bolts and O Ring are not included. See page 446 for Fastening Kits.

INTRODUCTION

ADAPTORS

COUPLINGS

ADAPTORS

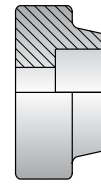
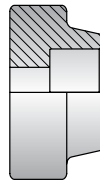
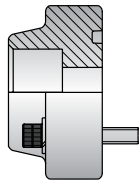
TECHNICAL

ADAPTORS

SAE FLANGE BLOCKS

| SAE FLANGE BLOCKS | S970 | S970F | S970FM |
|-------------------|------|-------|--------|
|-------------------|------|-------|--------|

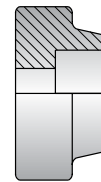
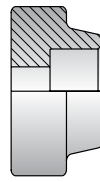
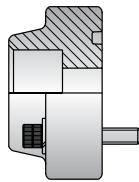
CODE 61
SOCKET WELD
TO SUIT IMPERIAL PIPE
O RING & BOLTS NOT SUPPLIED



| NOM. FLANGE SIZE | NOM. PIPE SIZE | DASH SIZE | TO SUIT PIPE OD | CODE 61 FLANGE SOCKET WELD PIPE | CODE 61 FLANGE FLAT SOCKET WELD PIPE UNC BOLT HOLES | CODE 61 FLANGE FLAT SOCKET WELD PIPE METRIC BOLT HOLES |
|------------------|----------------|-----------|-----------------|---------------------------------|---|--|
| inch | inch | | mm | PART NO | PART NO | PART NO |
| 1/2 | 1/2 | -0808 | 21,3 | S970-0808 | S970F-0808 | S970FM-0808 |
| 3/4 | 3/4 | -1212 | 26,7 | S970-1212 | S970F-1212 | S970FM-1212 |
| 1 | 1 | -1616 | 33,4 | S970-1616 | S970F-1616 | S970FM-1616 |
| 1.1/4 | 1.1/4 | -2020 | 42,2 | S970-2020 | S970F-2020 | S970FM-2020 |
| 1.1/2 | 1.1/2 | -2424 | 48,3 | S970-2424 | S970F-2424 | S970FM-2424 |
| 2 | 2 | -3232 | 60,3 | S970-3232 | S970F-3232 | S970FM-3232 |

| SAE FLANGE BLOCKS | S971 | S971F | S971FM |
|-------------------|------|-------|--------|
|-------------------|------|-------|--------|

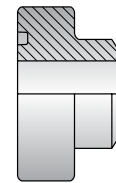
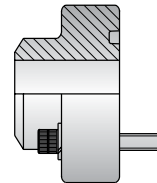
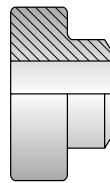
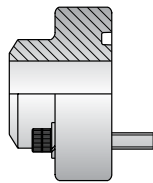
CODE 62
SOCKET WELD
TO SUIT IMPERIAL PIPE
O RING & BOLTS NOT SUPPLIED



| NOM. FLANGE SIZE | NOM. PIPE SIZE | DASH SIZE | TO SUIT PIPE OD | CODE 62 FLANGE SOCKET WELD PIPE | CODE 62 FLANGE FLAT SOCKET WELD PIPE UNC BOLT HOLES | CODE 62 FLANGE FLAT SOCKET WELD PIPE METRIC BOLT HOLES |
|------------------|----------------|-----------|-----------------|---------------------------------|---|--|
| inch | inch | | mm | PART NO | PART NO | PART NO |
| 3/4 | 3/4 | -1212 | 26,7 | S971-1212 | S971F-1212 | S971FM-1212 |
| 1 | 1 | -1616 | 33,4 | S971-1616 | S971F-1616 | S971FM-1616 |
| 1.1/4 | 1.1/4 | -2020 | 42,2 | S971-2020 | S971F-2020 | S971FM-2020 |
| 1.1/2 | 1.1/2 | -2424 | 48,3 | S971-2424 | S971F-2424 | S971FM-2424 |
| 2 | 2 | -3232 | 60,3 | S971-3232 | S971F-3232 | S971FM-3232 |

| SAE FLANGE BLOCKS | S976 | S976F | S977 | S977F |
|-------------------|------|-------|------|-------|
|-------------------|------|-------|------|-------|

BUTT WELD
TO SUIT IMPERIAL PIPE
O RING & BOLTS NOT SUPPLIED



| NOM. FLANGE SIZE | NOM. PIPE SIZE | DASH SIZE | TO SUIT PIPE OD | CODE 61 FLANGE BUTT WELD PIPE | CODE 61 FLANGE FLAT BUTT WELD PIPE UNC BOLT HOLES | CODE 62 FLANGE BUTT WELD PIPE | CODE 62 FLANGE FLAT BUTT WELD PIPE UNC BOLT HOLES |
|------------------|----------------|-----------|-----------------|-------------------------------|---|-------------------------------|---|
| inch | inch | | mm | PART NO | PART NO | PART NO | PART NO |
| 1/2 | 1/2 | -0808 | 21,3 | S976-0808 | S976F-0808 | S977-0808 | S977F-0808 |
| 3/4 | 3/4 | -1212 | 26,7 | S976-1212 | S976F-1212 | S977-1212 | S977F-1212 |
| 1 | 1 | -1616 | 33,4 | S976-1616 | S976F-1616 | S977-1616 | S977F-1616 |
| 1.1/4 | 1.1/4 | -2020 | 42,2 | S976-2020 | S976F-2020 | S977-2020 | S977F-2020 |
| 1.1/2 | 1.1/2 | -2424 | 48,3 | S976-2424 | S976F-2424 | S977-2424 | S977F-2424 |
| 2 | 2 | -3232 | 60,3 | S976-3232 | S976F-3232 | S977-3232 | S977F-3232 |

NOTE: Bolts are shown for illustration purposes only. Bolts and O Ring are not included. See page 446 for Fastening Kits.

INTRODUCTION

ADAPTORS

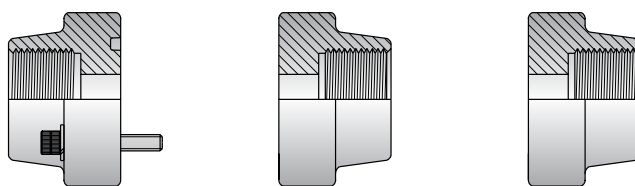
COUPLINGS

ADAPTORS

TECHNICAL

| SAE FLANGE BLOCKS | S951 | S951F | S951FM |
|-------------------|------|-------|--------|
|-------------------|------|-------|--------|

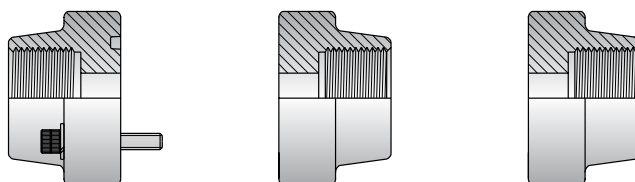
CODE 61
BSPP FEMALE
O RING & BOLTS NOT SUPPLIED



| NOM. FLANGE SIZE | THREAD SIZE | DASH SIZE | CODE 61 FLANGE BSPP FEMALE | CODE 61 FLANGE FLAT BSPP FEMALE UNC BOLT HOLES | CODE 61 FLANGE FLAT BSPP FEMALE METRIC BOLT HOLES |
|------------------|-------------|-----------|----------------------------|--|---|
| inch | inch | | PART NO | PART NO | PART NO |
| 1/2 | 1/2 | -0808 | S951-0808 | S951F-0808 | S951FM-0808 |
| 3/4 | 3/4 | -1212 | S951-1212 | S951F-1212 | S951FM-1212 |
| 1 | 1 | -1616 | S951-1616 | S951F-1616 | S951FM-1616 |
| 1.1/4 | 1.1/4 | -2020 | S951-2020 | S951F-2020 | S951FM-2020 |
| 1.1/2 | 1.1/2 | -2424 | S951-2424 | S951F-2424 | S951FM-2424 |
| 2 | 2 | -3232 | S951-3232 | S951F-3232 | S951FM-3232 |

| SAE FLANGE BLOCKS | S952 | S952F | S952FM |
|-------------------|------|-------|--------|
|-------------------|------|-------|--------|

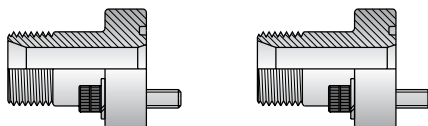
CODE 62
BSPP FEMALE
O RING & BOLTS NOT SUPPLIED



| NOM. FLANGE SIZE | THREAD SIZE | DASH SIZE | CODE 62 FLANGE BSPP FEMALE | CODE 62 FLANGE FLAT BSPP FEMALE UNC BOLT HOLES | CODE 62 FLANGE FLAT BSPP FEMALE METRIC BOLT HOLES |
|------------------|-------------|-----------|----------------------------|--|---|
| inch | inch | | PART NO | PART NO | PART NO |
| 3/4 | 3/4 | -1212 | S952-1212 | S952F-1212 | S952FM-1212 |
| 1 | 1 | -1616 | S952-1616 | S952F-1616 | S952FM-1616 |
| 1.1/4 | 1.1/4 | -2020 | S952-2020 | S952F-2020 | S952FM-2020 |
| 1.1/2 | 1.1/2 | -2424 | S952-2424 | S952F-2424 | S952FM-2424 |
| 2 | 2 | -3232 | S952-3232 | S952F-3232 | S952FM-3232 |

| SAE FLANGE BLOCKS | S953 | S954 |
|-------------------|------|------|
|-------------------|------|------|

BSPP MALE
O RING & BOLTS NOT SUPPLIED



| NOM. FLANGE SIZE | THREAD SIZE | DASH SIZE | CODE 61 FLANGE BSPP MALE | CODE 62 FLANGE BSPP MALE |
|------------------|-------------|-----------|--------------------------|--------------------------|
| inch | inch | | PART NO | PART NO |
| 1/2 | 1/2 | -0808 | S953-0808 | S954-0808 |
| 3/4 | 3/4 | -1212 | S953-1212 | S954-1212 |
| 1 | 1 | -1616 | S953-1616 | S954-1616 |
| 1.1/4 | 1.1/4 | -2020 | S953-2020 | S954-2020 |
| 1.1/2 | 1.1/2 | -2424 | S953-2424 | S954-2424 |

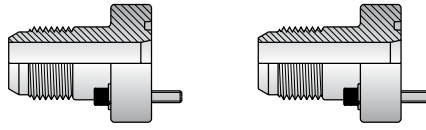
NOTE: Bolts are shown for illustration purposes only. Bolts and O Ring are not included. See page 446 for Fastening Kits.

ADAPTORS

SAE FLANGE BLOCKS

| SAE FLANGE BLOCKS | S957 | S958 |
|-------------------|------|------|
|-------------------|------|------|

JIC MALE
O RING & BOLTS NOT SUPPLIED

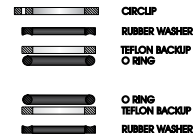
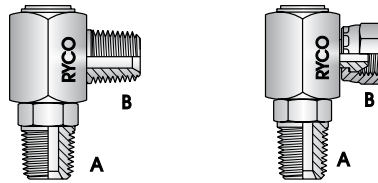


| NOM. FLANGE SIZE | THREAD SIZE | DASH SIZE | CODE 61 FLANGE JIC MALE | CODE 62 FLANGE JIC MALE |
|------------------|-------------|-----------|-------------------------|-------------------------|
| inch | inch | | PART NO | PART NO |
| 1/2 | 3/4 | -0812 | S957-0812 | S958-0812 |
| 3/4 | 1.1/16 | -1217 | S957-1217 | S958-1217 |
| 1 | 1.5/16 | -1621 | S957-1621 | S958-1621 |
| 1.1/4 | 1.5/8 | -2026 | S957-2026 | S958-2026 |
| 1.1/2 | 1.7/8 | -2430 | S957-2430 | S958-2430 |

SWIVEL JOINT ADAPTORS

| SWIVEL JOINT | S37 | S36 | SEAL KITS SJK |
|--------------|-----|-----|---------------|
|--------------|-----|-----|---------------|

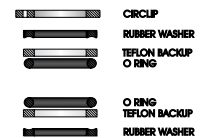
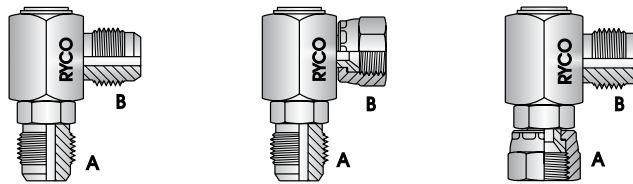
BSP/BSP
360° ROTATION
10 RPM - NOT
CONTINUOUS
3000 PSI MAX



| THREAD | | DASH SIZE | BSPT MALE | BSPT MALE | REPLACEMENT SEAL KIT |
|--------|------|-----------|----------------------------|--------------------------------------|----------------------|
| A | B | | BSPT MALE 90° SWIVEL JOINT | BSPP FEMALE SWIVEL 90° SWIVEL JOINTS | |
| inch | inch | | PART NO | PART NO | PART NO |
| 1/2 | 1/2 | -0808 | S37-0808 | S36-0808 | SJK-08 |
| 3/4 | 3/4 | -1212 | S37-1212 | S36-1212 | SJK-12 |

| SWIVEL JOINT | S33 | S34 | S35 | SEAL KITS SJK |
|--------------|-----|-----|-----|---------------|
|--------------|-----|-----|-----|---------------|

JIC/JIC
360° ROTATION
10 RPM - NOT
CONTINUOUS
3000 PSI MAX

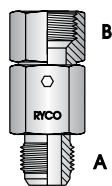


| THREAD | | DASH SIZE | JIC MALE | JIC MALE | JIC FEMALE | REPLACEMENT SEAL KIT |
|--------|--------|-----------|---------------------------|-----------------------------|---------------------------|----------------------|
| A | B | | JIC MALE 90° SWIVEL JOINT | JIC FEMALE 90° SWIVEL JOINT | JIC MALE 90° SWIVEL JOINT | |
| inch | inch | | PART NO | PART NO | PART NO | PART NO |
| 7/8 | 7/8 | -1414 | S33-1414 | S34-1414 | S35-1414 | SJK-08 |
| 1.1/16 | 1.1/16 | -1717 | S33-1717 | S34-1717 | S35-1717 | SJK-12 |

NOTE: Bolts are shown for illustration purposes only. Bolts and O Ring are not included. See page 446 for Fastening Kits.

| | | |
|---------------------|-------------|----------------------|
| SWIVEL JOINT | S131 | SEAL KITS RKS |
|---------------------|-------------|----------------------|

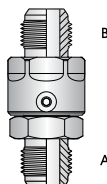
JIC/JIC
360° ROTATION
20 RPM MAX. - NOT CONTINUOUS



| THREAD | | DASH SIZE | MAX. WORKING PRESSURE | | JIC MALE JIC FEMALE FIXED SWIVEL JOINT | REPLACEMENT SEAL KIT |
|--------|--------|-----------|-----------------------|------|--|-------------------------|
| A | B | | bar | psi | PART NO | PART NO |
| inch | inch | | | | | |
| 1.1/16 | 1.1/16 | -1717 | 280 | 4100 | S131-1717 | RKS131-1717 |
| 1.5/16 | 1.5/16 | -2121 | 280 | 4100 | S131-2121 | RKS131-2121 |

| | | |
|---------------------|-------------|-----------------------|
| SWIVEL JOINT | S189 | SEAL KITS RKSJ |
|---------------------|-------------|-----------------------|

JIC/JIC
360° ROTATION
10 RPM MAX.



| THREAD | | DASH SIZE | MAX. WORKING PRESSURE | | JIC MALE JIC MALE SWIVEL JOINT | REPLACEMENT SEAL KIT |
|--------|--------|-----------|-----------------------|------|--------------------------------------|-------------------------|
| A | B | | bar | psi | PART NO | PART NO |
| inch | inch | | | | | |
| 7/16 | 7/16 | -0707 | 350 | 5100 | S189-0707 | RKSJ-06 |
| 9/16 | 9/16 | -0909 | 350 | 5100 | S189-0909 | RKSJ-06 |
| 3/4 | 3/4 | -1212 | 350 | 5100 | S189-1212 | RKSJ-08 |
| 7/8 | 7/8 | -1414 | 350 | 5100 | S189-1414 | RKSJ-08 |
| 1.1/16 | 1.1/16 | -1717 | 310 | 4500 | S189-1717 | RKSJ-12 |
| 1.5/16 | 1.5/16 | -2121 | 280 | 4100 | S189-2121 | RKSJ-16 |

NOTE: RYCO Swivel Joints are ideal for use wherever hose moves, bends or twists. They permit the use of less hose in flexing applications, producing neater space-saving installations and resulting in lower maintenance costs. Compact and lightweight, the RYCO Swivel Joint turns with very low torque under pressure, assuring fluid line flexibility and efficiency of operation.

Swivel Joints must not be used as high speed rotary unions, or as load bearing or structural components. They must be connected with a flexible hose on one end. External loads, e.g. the weight of the hose and couplings attached to the swivel joint; must be minimised to avoid premature wear and leakage.

Operating Temperature Range: From -40°C to + 100°C (-40°F to + 212°F).

Fluid Compatibility: Mineral / petroleum based hydraulic oils.

INTRODUCTION

ADAPTORS

COUPLINGS

ADAPTORS

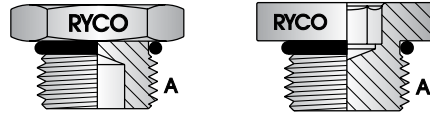
TECHNICAL

ADAPTORS

UNO ADAPTORS

| | | |
|------------|------------|--------------|
| UNO | S97 | S97AK |
|------------|------------|--------------|

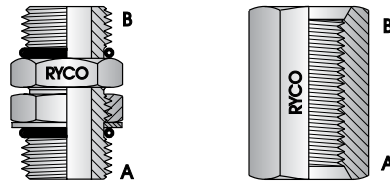
**PLUG
O RING INCLUDED**



| THREAD A | DASH SIZE | UN O RING MALE PLUG | UN O RING ALLEN KEY HEAD |
|-------------|--------------|------------------------|-----------------------------|
| inch | | PART NO | PART NO |
| 3/8 | -06 | | S97AK-06 |
| 7/16 | -07 | S97-07 | S97AK-07 |
| 1/2 | -08 | S97-08 | S97AK-08 |
| 9/16 | -09 | S97-09 | S97AK-09 |
| 3/4 | -12 | S97-12 | S97AK-12 |
| 7/8 | -14 | S97-14 | S97AK-14 |
| 1.1/16 | -17 | S97-17 | S97AK-17 |
| 1.3/16 | -19 | S97-19 | |
| 1.5/16 | -21 | S97-21 | |
| 1.5/8 | -26 | S97-26 | |
| 1.7/8 | -30 | S97-30 | |

| | | |
|----------------|-------------|-------------|
| UNO/UNO | S162 | S163 |
|----------------|-------------|-------------|

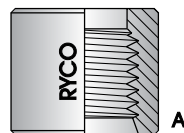
**STRAIGHT
O RING INCLUDED**



| THREAD | | DASH SIZE | UN O RING MALE ADJUSTABLE UN O RING MALE | UN O RING FEMALE SOCKET |
|-------------|-------------|--------------|--|-------------------------------|
| A | B | | | |
| inch | inch | | PART NO | PART NO |
| 9/16 | 9/16 | -0909 | | S163-0909 |
| 3/4 | 3/4 | -1212 | S162-1212 | |

| | |
|------------|-------------|
| UNO | S148 |
|------------|-------------|

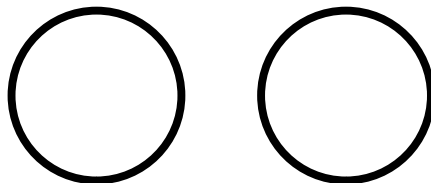
**HALF SOCKET
WELD ON**



| THREAD A | DASH SIZE | UN O RING FEMALE FIXED HALF WELD ON |
|-------------|--------------|---|
| inch | | PART NO |
| 9/16 | -09 | S148-09 |
| 3/4 | -12 | S148-12 |
| 7/8 | -14 | S148-14 |

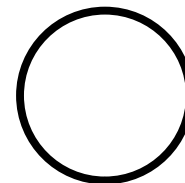
MISCELLANEOUS - O RINGS

| | | |
|----------------|-------------------------------|----------------------------|
| O RINGS | ROD-AC SUIT AIR CON | ROD-FS SUIT ORFS |
|----------------|-------------------------------|----------------------------|



| THREAD SIZE | TUBE SIZE | 70 DUROMETER (GREEN HNBR) | | 90 DUROMETER | |
|-------------|-----------|---------------------------|----------|--------------|----------|
| inch | inch | PART NO | Pack Qty | PART NO | Pack Qty |
| 9/16 | 1/4 | | | ROD-FS09 | 10 |
| 5/8 | 3/8 | ROD-AC10 | 10 | | |
| 11/16 | 3/8 | | | ROD-FS11 | 10 |
| 3/4 | 1/2 | ROD-AC12 | 10 | | |
| 13/16 | 1/2 | | | ROD-FS13 | 10 |
| 7/8 | 5/8 | ROD-AC14 | 10 | | |
| 1 | 5/8 | | | ROD-FS16 | 10 |
| 1.3/16 | 3/4 | | | ROD-FS19 | 10 |
| 1.7/16 | 1 | | | ROD-FS23 | 10 |
| 1.11/16 | 1.1/4 | | | ROD-FS27 | 10 |
| 2 | 1.1/2 | | | ROD-FS32 | 10 |

| | |
|----------------|----------------------------|
| O RINGS | ROD-BP SUIT BSPP |
|----------------|----------------------------|



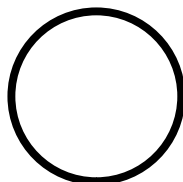
| THREAD SIZE | 90 DUROMETER | |
|-------------|--------------|----------|
| inch | PART NO | Pack Qty |
| 1/8 | ROD-BP02 | 10 |
| 1/4 | ROD-BP04 | 10 |
| 3/8 | ROD-BP06 | 10 |
| 1/2 | ROD-BP08 | 10 |
| 5/8 | ROD-BP10 | 10 |
| 3/4 | ROD-BP12 | 10 |
| 1 | ROD-BP16 | 10 |
| 1.1/4 | ROD-BP20 | 10 |
| 1.1/2 | ROD-BP24 | 10 |
| 2 | ROD-BP32 | 10 |

INTRODUCTION

ADAPTORS

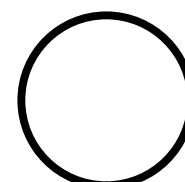
COUPLINGS

| | |
|----------------|---|
| O RINGS | ROD-DL SUIT DKOL FEMALE METRIC |
|----------------|---|



| THREAD SIZE | TUBE SIZE | 70 DUROMETER | |
|-------------|-----------|--------------|----------|
| mm | mm | PART NO | Pack Qty |
| 12x1,5 | 6 | ROD-DL12 | 10 |
| 14x1,5 | 8 | ROD-DL14 | 10 |
| 16x1,5 | 10 | ROD-DL16 | 10 |
| 18x1,5 | 12 | ROD-DL18 | 10 |
| 22x1,5 | 15 | ROD-DL22 | 10 |
| 26x1,5 | 18 | ROD-DL26 | 10 |
| 30x2,0 | 22 | ROD-DL30 | 10 |
| 36x2,0 | 28 | ROD-DL36 | 10 |
| 45x2,0 | 35 | ROD-DL45 | 10 |
| 52x2,0 | 42 | ROD-DL52 | |

| | |
|----------------|---|
| O RINGS | ROD-DS SUIT DKOS FEMALE METRIC |
|----------------|---|



| THREAD SIZE | TUBE SIZE | 70 DUROMETER | |
|-------------|-----------|--------------|----------|
| mm | mm | PART NO | Pack Qty |
| 14x1,5 | 6 | ROD-DS14 | 10 |
| 16x1,5 | 8 | ROD-DS16 | 10 |
| 18x1,5 | 10 | ROD-DS18 | 10 |
| 20x1,5 | 12 | ROD-DS20 | 10 |
| 22x1,5 | 14 | ROD-DS22 | 10 |
| 24x1,5 | 16 | ROD-DS24 | 10 |
| 30x2,0 | 20 | ROD-DS30 | 10 |
| 36x2,0 | 25 | ROD-DS36 | 10 |
| 42x2,0 | 30 | ROD-DS42 | 10 |
| 52x2,0 | 38 | ROD-DS52 | 10 |

ADAPTORS

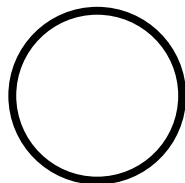
TECHNICAL

NOTE: O Rings/Seals are sold only in packs of 10. Part Number Series for individual seal is RO. Example: Order Part No RO-BP02 for individual seal. (D is removed from ROD). Surcharges for breaking packages may apply.

ADAPTORS

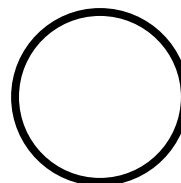
MISCELLANEOUS - O RINGS

| | |
|----------------|---------------------------------------|
| O RINGS | ROD-SF SUIT SAE FLANGE |
|----------------|---------------------------------------|



| NOMINAL FLANGE SIZE | 90 DUROMETER | |
|---------------------|--------------|----------|
| inch | PART NO | Pack Qty |
| 1/2 | ROD-SF08 | 10 |
| 5/8 | ROD-SF10 | 10 |
| 3/4 | ROD-SF12 | 10 |
| 1 | ROD-SF16 | 10 |
| 1.1/4 | ROD-SF20 | 10 |
| 1.1/2 | ROD-SF24 | 10 |
| 2 | ROD-SF32 | 10 |
| 2.1/2 | ROD-SF40 | 10 |

| | |
|----------------|----------------------------|
| O RINGS | ROD-UN SUIT UNO |
|----------------|----------------------------|



| NOM FLANGE SIZE | TUBE SIZE | 90 DUROMETER | |
|-----------------|-----------|--------------|----------|
| inch | inch | PART NO | Pack Qty |
| 7/16 | 1/4 | ROD-UN07 | 10 |
| 1/2 | 5/16 | ROD-UN08 | 10 |
| 9/16 | 3/8 | ROD-UN09 | 10 |
| 3/4 | 1/2 | ROD-UN12 | 10 |
| 7/8 | 5/8 | ROD-UN14 | 10 |
| 1.1/16 | 3/4 | ROD-UN17 | 10 |
| 1.3/16 | 7/8 | ROD-UN19 | 10 |
| 1.5/16 | 1 | ROD-UN21 | 10 |
| 1.5/8 | 1.1/4 | ROD-UN26 | 10 |
| 1.7/8 | 1.1/2 | ROD-UN30 | 10 |

| | |
|--------------|--|
| SEALS | ROD-WD/ROD-BE SUIT BSPP ENCAPSULATED MALE |
|--------------|--|



| THREAD SIZE | 90 DUROMETER | |
|-------------|--------------|----------|
| inch | PART NO | Pack Qty |
| 1/8 | ROD-WD084 | 10 |
| 1/4 | ROD-WD116 | 10 |
| 3/8 | ROD-WD147 | 10 |
| 1/2 | ROD-WD185 | 10 |
| 3/4 | ROD-WD239 | 10 |
| 1 | ROD-WD297 | 10 |
| 1.1/4 | ROD-WD388 | 10 |
| 1.1/2 | ROD-WD447 | 10 |
| 2 | ROD-BE32* | 10 |

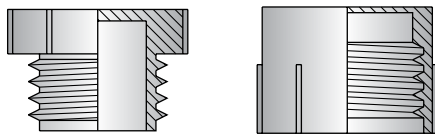
*NOTE: Seal is a circular cross-section.

NOTE: O Rings/Seals are sold only in packs of 10. Part Number Series for individual seal is RO. Example: Order Part No RO-BP02 for individual seal. (D is removed from ROD). Surcharges for breaking packages may apply.

MISCELLANEOUS - PLASTIC CAPS AND PLUGS

| | | |
|----------------|------------|------------|
| BSP/NPT | BPD | BCD |
|----------------|------------|------------|

**THREADED
PLASTIC
PROTECTORS**

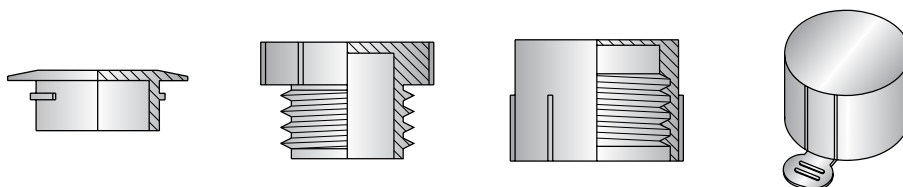


| THREAD SIZE | PACK QTY | PLUG SUITS FEMALE BSP & NPSM | CAP SUITS MALE BSP & NPT |
|-------------|----------|------------------------------|--------------------------|
| inch | | PART NO | PART NO |
| 1/8 | 100 | BPD-02 | BCD-02 |
| 1/4 | 100 | BPD-04 | BCD-04 |
| 3/8 | 100 | BPD-06 | BCD-06 |
| 1/2 | 100 | BPD-08 | BCD-08 |
| 3/4 | 100 | BPD-12 | BCD-12 |
| 1 | 100 | BPD-16 | BCD-16 |
| 1.1/4 | 10 | BPD-20 | BCD-20 |
| 1.1/2 | 10 | BPD-24 | BCD-24 |
| 2 | 10 | BPD-32 | BCD-32 |

| | | | | |
|--------------------|-------------|------------|------------|-------------|
| JIC/SAE/UNO | JPPD | JPD | JCD | JCTD |
|--------------------|-------------|------------|------------|-------------|

**THREADED
PLASTIC PROTECTORS**

**TEAR OFF PLASTIC
THREAD PROTECTOR**



| THREAD SIZE | PACK QTY | PUSH-IN PLUG SUITS FEMALE JIC, SAE & UNO | PLUG SUITS FEMALE JIC, SAE & UNO | CAP SUITS MALE JIC, SAE & UNO | TEAR OFF CAP SUITS MALE JIC, SAE & UNO |
|-------------|----------|--|----------------------------------|-------------------------------|--|
| | | PART NO | PART NO | PART NO | PART NO |
| 7/16-20 | 100 | JPPD-07 | JPD-07 | JCD-07 | JCTD-07 |
| 1/2-20 | 100 | | JPD-08 | JCD-08 | |
| 9/16-18 | 100 | JPPD-09 | JPD-09 | JCD-09 | JCTD-09 |
| 5/8-18 | 100 | | JPD-10 | JCD-10 | |
| 3/4-16 | 100 | JPPD-12 | JPD-12 | JCD-12 | JCTD-12 |
| 7/8-14 | 100 | JPPD-14 | JPD-14 | JCD-14 | JCTD-14 |
| 1.1/16-12 | 100 | JPPD-17 | JPD-17 | JCD-17 | JCTD-17 |
| 1.3/16-12 | 100 | | JPD-19 | JCD-19 | |
| 1.5/16-12 | 100 | | JPD-21 | JCD-21 | JCTD-21 |
| 1.5/8-12 | 10 | | JPD-26 | JCD-26 | JCTD-26 |
| 1.7/8-12 | 10 | | | | JCTD-30 |

NOTE: Plastic Thread Protectors are sold only in packs with quantities as shown. To order individual Plastic Thread Protectors, remove the "D" preceding the part number dash. Example: Order Part No BP-02 for individual part ("D" is removed from BPD-02 packaged Part No). Surcharges for breaking packages may apply.

Part Numbers for Plastic Caps and Plugs: First letter denotes Thread Type, **B = BSP**, **O = ORFS** etc. Second letter denotes Plug or Cap, **P = Plug**, **C = Cap**. A "D" before the dash represents the packaged part number (omit for unpackaged, individual Plug or Cap). Numbers after the dash represent the Thread Size or Dash Size of the Plug or Cap.

INTRODUCTION

ADAPTORS

COUPLINGS

ADAPTORS

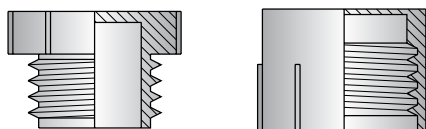
TECHNICAL

ADAPTORS

MISCELLANEOUS - PLASTIC CAPS AND PLUGS

| METRIC | MPD | MCD |
|--------|-----|-----|
|--------|-----|-----|

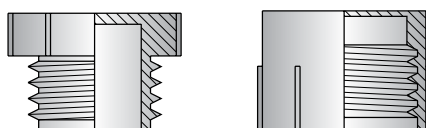
THREADED
PLASTIC
PROTECTORS



| THREAD SIZE | PACK QTY | PLUG SUITS FEMALE METRIC | CAP SUITS MALE METRIC |
|-------------|----------|--------------------------|-----------------------|
| mm | | PART NO | PART NO |
| 12x1,5 | 100 | MPD-1215 | MCD-1215 |
| 14x1,5 | 100 | MPD-1415 | MCD-1415 |
| 16x1,5 | 100 | MPD-1615 | MCD-1615 |
| 18x1,5 | 100 | MPD-1815 | MCD-1815 |
| 20x1,5 | 100 | MPD-2015 | MCD-2015 |
| 22x1,5 | 100 | MPD-2215 | MCD-2215 |
| 24x1,5 | 100 | MPD-2415 | MCD-2415 |
| 26x1,5 | 100 | MPD-2615 | MCD-2615 |
| 30x1,5 | 10 | MPD-3015 | |
| 30x2,0 | 10 | MPD-3020 | MCD-3020 |
| 36x2,0 | 10 | MPD-3620 | MCD-3620 |
| 42x2,0 | 10 | MPD-4220 | MCD-4220 |
| 45x2,0 | 10 | MPD-4250 | MCD-4250 |
| 52x2,0 | 10 | MPD-5220 | MCD-5220 |

| ORFS | OPD | OCD |
|------|-----|-----|
|------|-----|-----|

THREADED
PLASTIC
PROTECTORS



| THREAD SIZE | PACK QTY | PLUG SUITS FEMALE ORFS | CAP SUITS MALE ORFS |
|-------------|----------|------------------------|---------------------|
| inch | | PART NO | PART NO |
| 9/16 | 100 | USE JPD-09 | USE JCD-09 |
| 11/16 | 100 | OPD-11 | OCD-11 |
| 13/16 | 100 | OPD-13 | OCD-13 |
| 1 | 100 | OPD-16 | OCD-16 |
| 1.3/16 | 100 | USE JPD-19 | USE JCD-19 |
| 1.7/16 | 100 | OPD-23 | OCD-23 |
| 1.11/16 | 10 | | OCD-27 |

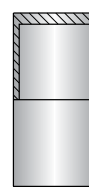
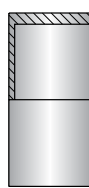
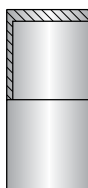
NOTE: Plastic Thread Protectors are sold only in packs with quantities as shown. To order individual Plastic Thread Protectors, remove the "D" preceding the part number dash. Example: Order Part No BP-02 for individual part ("D" is removed from BPD-02 packaged Part No). Surcharges for breaking packages may apply.

Part Numbers for Plastic Caps and Plugs: First letter denotes Thread Type, **B = BSP**, **O = ORFS** etc. Second letter denotes Plug or Cap, **P = Plug**, **C = Cap**. A "D" before the dash represents the packaged part number (omit for unpackaged, individual Plug or Cap). Numbers after the dash represent the Thread Size or Dash Size of the Plug or Cap.

MISCELLANEOUS - PLASTIC CAPS AND PLUGS

| | | | |
|-------------------|--------------|--------------|------------------|
| SAE FLANGE | FC61D | FC62D | R62C TYPE |
|-------------------|--------------|--------------|------------------|

**FLANGE COVERS
PLASTIC
CODE 61
CODE 62
R62C TYPE**



| NOM. FLANGE SIZE | PACK QTY | SUITS SAE CODE 61 FLANGE | SUITS SAE CODE 62 FLANGE | SUITS R62C FLANGE |
|------------------|----------|--------------------------|--------------------------|---------------------|
| | | PART NO | PART NO | PART NO |
| 1/2 | 100 | FC61D-08 | FC62D-08 | |
| 3/4 | 100 | FC61D-12 | FC62D-12 | USE FC62D-12 |
| 1 | 100 | FC61D-16 | FC62D-16 | USE FC62D-16 |
| 1.1/4 | 10 | FC61D-20 | FC62D-20 | USE FC62D-20 |
| 1.1/2 | 10 | FC61D-24 | FC62D-24 | USE FC62D-24 |
| 2 | 10 | FC61D-32 | FC62D-32 | |

| | |
|--------------------|------------|
| 8000 SERIES | PPD |
|--------------------|------------|

**PUSH ON
HOSE TAIL
PLASTIC COLLAR**



| HOSE SIZE | PACK QTY | SUITS 8000 SERIES FITTING |
|-----------|----------|---------------------------|
| 1/4 | 100 | PPD-04 |
| 5/16 | 100 | PPD-05 |
| 3/8 | 100 | PPD-06 |
| 1/2 | 100 | PPD-08 |
| 5/8 | 100 | PPD-10 |
| 3/4 | 100 | PPD-12 |

NOTE: Plastic Thread Protectors are sold only in packs with quantities as shown. To order individual Plastic Thread Protectors, remove the "D" preceding the part number dash. Example: Order Part No BP-02 for individual part ("D" is removed from BPD-02 packaged Part No). Surcharges for breaking packages may apply.

Part Numbers for Plastic Caps and Plugs: First letter denotes Thread Type, **B = BSP**, **O = ORFS** etc. Second letter denotes Plug or Cap, **P = Plug**, **C = Cap**. A "D" before the dash represents the packaged part number (omit for unpackaged, individual Plug or Cap). Numbers after the dash represent the Thread Size or Dash Size of the Plug or Cap.

INTRODUCTION

ADAPTORS

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ADAPTORS

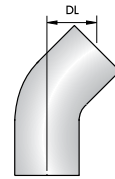
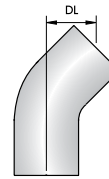
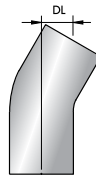
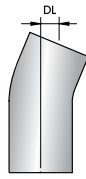
TECHNICAL

ADAPTORS

MISCELLANEOUS - TUBE BENDS

| TUBE BENDS | 14 | 15 | 25 | 25HL |
|------------|----|----|----|------|
|------------|----|----|----|------|

IMPERIAL
OUTSIDE
DIAMETER

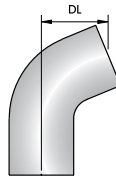
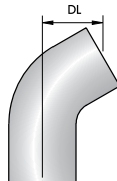


| TUBE SIZE | DASH SIZE | 22.5° TUBE BEND | | 30° TUBE BEND | | 45° TUBE BEND | | 45° TUBE BEND HEAVY | |
|-----------|-----------|-----------------|----|---------------|----|---------------|----|---------------------|----|
| inch | | PART NO | DL | PART NO | DL | PART NO | DL | PART NO | DL |
| 1/4 | -04 | | | | | 25-04 | 8 | | |
| 3/8 | -06 | | | | | 25-06 | 10 | | |
| 1/2 | -08 | | | | | 25-08 | 11 | | |
| 5/8 | -10 | | | | | 25-10 | 12 | | |
| 3/4 | -12 | 14-12 | 7 | 15-12 | 8 | 25-12 | 14 | 25HL-12 | 14 |
| 1 | -16 | 14-16 | 8 | 15-16 | 9 | 25-16 | 17 | 25HL-16 | 17 |
| 1.1/4 | -20 | 14-20 | 9 | 15-20 | 10 | 25-20 | 20 | 25HL-20 | 20 |
| 1.1/2 | -24 | 14-24 | 12 | 15-24 | 10 | 25-24 | 23 | 25HL-24 | 23 |
| 2 | -32 | 14-32 | 17 | | | 25-32 | 30 | 25HL-32 | 30 |

NOTE: Tube Bends can be used in conjunction with S112 Tube Joiners shown on page 433, when a tube bender is not available, or tighter bends than can be achieved by bending hydraulic tube are required. Drop Lengths (DL) dimensions are in millimetres.

| TUBE BENDS | 17 | 16 |
|------------|----|----|
|------------|----|----|

IMPERIAL
OUTSIDE
DIAMETER

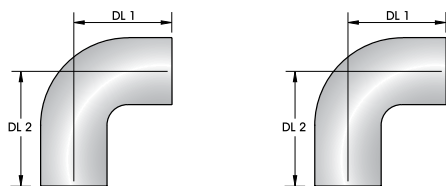


| TUBE SIZE | DASH SIZE | 60° TUBE BEND | | 67.5° TUBE BEND | |
|-----------|-----------|---------------|----|-----------------|----|
| inch | | PART NO | DL | PART NO | DL |
| 3/4 | -12 | 17-12 | 26 | 16-12 | 30 |
| 1 | -16 | 17-16 | 31 | 16-16 | 36 |
| 1.1/4 | -20 | 17-20 | 35 | 16-20 | 42 |
| 1.1/2 | -24 | 17-24 | 45 | 16-24 | 53 |
| 2 | -32 | 17-32 | 65 | 16-32 | 75 |

NOTE: Tube Bends can be used in conjunction with S112 Tube Joiners shown on page 433, when a tube bender is not available, or tighter bends than can be achieved by bending hydraulic tube are required. Drop Lengths (DL) dimensions are in millimetres.

| | | |
|-------------------|------------|------------|
| TUBE BENDS | 24A | 24B |
|-------------------|------------|------------|

IMPERIAL
OUTSIDE
DIAMETER

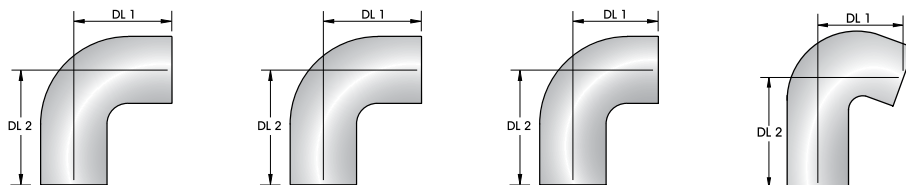


| TUBE BEND | DASH SIZE | 90° SPECIAL LONG TUBE BEND | | | 90° SPECIAL LONG TUBE BEND | | |
|-----------|-----------|----------------------------|-----|-----|----------------------------|-----|-----|
| inch | | PART NO | DL1 | DL2 | PART NO | DL1 | DL2 |
| 5/8 | -10 | 24A-10 | 37 | 64 | | | |
| 3/4 | -12 | 24A-12 | 42 | 66 | 24B-12 | 42 | 84 |
| 1.1/4 | -20 | 24A-20 | 61 | 68 | 24B-20 | 61 | 80 |
| 1.1/2 | -24 | 24A-24 | 77 | 101 | 24B-24 | 77 | 137 |
| 2 | -32 | 24A-32 | 107 | 153 | | | |

NOTE: Tube Bends can be used in conjunction with S112 Tube Joiners shown on page 433, when a tube bender is not available, or tighter bends than can be achieved by bending hydraulic tube are required. Drop Lengths (DL) dimensions are in millimetres.

| | | | | |
|-------------------|-----------|-------------|-----------|-----------|
| TUBE BENDS | 24 | 24HL | 21 | 91 |
|-------------------|-----------|-------------|-----------|-----------|

IMPERIAL
OUTSIDE
DIAMETER



| TUBE BEND | DASH SIZE | 90° TUBE BEND | | | 90° TUBE BEND HEAVY | | | 90° LONG TUBE BEND | | | 110° LONG TUBE BEND | | |
|-----------|-----------|---------------|-----|-----|---------------------|-----|-----|--------------------|-----|-----|---------------------|-----|-----|
| inch | | PART NO | DL1 | DL2 | PART NO | DL1 | DL2 | PART NO | DL1 | DL2 | PART NO | DL1 | DL2 |
| 1/4 | -04 | 24-04 | 17 | 17 | | | | 21-04 | 17 | 38 | | | |
| 3/8 | -06 | 24-06 | 22 | 22 | | | | 21-06 | 22 | 48 | | | |
| 1/2 | -08 | 24-08 | 27 | 27 | | | | 21-08 | 27 | 54 | | | |
| 5/8 | -10 | 24-10 | 31 | 31 | | | | 21-10 | 31 | 59 | | | |
| 3/4 | -12 | 24-12 | 36 | 36 | 24HL-12 | 36 | 36 | 21-12 | 36 | 67 | | | |
| 1 | -16 | 24-16 | 47 | 47 | 24HL-16 | 47 | 47 | 21-16 | 47 | 81 | | | |
| 1.1/4 | -20 | 24-20 | 57 | 57 | 24HL-20 | 57 | 57 | 21-20 | 57 | 97 | | | |
| 1.1/2 | -24 | 24-24 | 66 | 66 | 24HL-24 | 66 | 66 | 21-24 | 67 | 114 | 91-24 | 95 | 127 |
| 2 | -32 | 24-32 | 86 | 86 | 24HL-32 | 86 | 86 | | | | 91-32 | 131 | 141 |

NOTE: Tube Bends can be used in conjunction with S112 Tube Joiners shown on page 433, when a tube bender is not available, or tighter bends than can be achieved by bending hydraulic tube are required. Drop Lengths (DL) dimensions are in millimetres.

INTRODUCTION

ADAPTORS

COUPLINGS

ADAPTORS

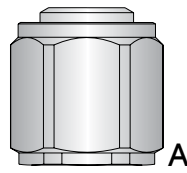
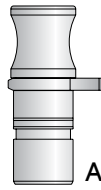
TECHNICAL

ADAPTORS

RYCO WEO ADAPTORS

| | | |
|-----------------|--------------|--------------|
| RYCO WEO | RW723 | RW811 |
|-----------------|--------------|--------------|

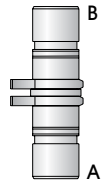
**PLUG
CAP**



| RYCO WEO SIZE A | | DASH SIZE | RYCO WEO MALE STOP PLUG | RYCO WEO FEMALE STOP CAP |
|--------------------|------|--------------|----------------------------|-----------------------------|
| DN | inch | | PART NO | PART NO |
| 6 | 1/4 | -04 | RW723-04 | RW811-04 |
| 10 | 3/8 | -06 | RW723-06 | RW811-06 |
| 12 | 1/2 | -08 | RW723-08 | RW811-08 |
| 19 | 3/4 | -12 | RW723-12 | RW811-12 |
| 25 | 1 | -16 | RW723-16 | RW811-16 |

| | |
|-----------------|--------------|
| RYCO WEO | RW722 |
|-----------------|--------------|

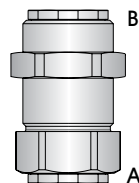
STRAIGHT



| RYCO WEO SIZE A, B | | DASH SIZE | RYCO WEO MALE NIPPLE |
|-----------------------|------|--------------|-------------------------|
| DN | inch | | PART NO |
| 6 | 1/4 | -0404 | RW722-0404 |
| 10 | 3/8 | -0606 | RW722-0606 |
| 12 | 1/2 | -0808 | RW722-0808 |
| 19 | 3/4 | -1212 | RW722-1212 |
| 25 | 1 | -1616 | RW722-1616 |

| | |
|-----------------|--------------|
| RYCO WEO | RW813 |
|-----------------|--------------|

FEMALE BULKHEAD

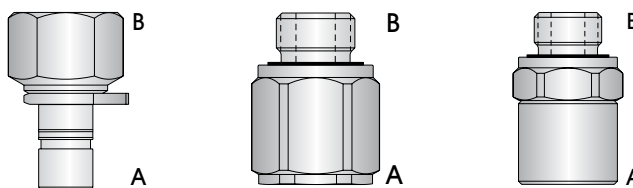


| RYCO WEO SIZE A, B | | THREAD A, B | DASH SIZE | RYCO WEO FEMALE BULKHEAD |
|-----------------------|------|----------------|--------------|-----------------------------|
| DN | inch | inch | | PART NO |
| 6 | 1/4 | M21,5x1,5 | -0404 | RW813-0404 |
| 10 | 3/8 | M26x1,5 | -0606 | RW813-0606 |
| 12 | 1/2 | M30x2,0 | -0808 | RW813-0808 |

NOTE: RYCO WEO male and female couplings and adaptors do not contain a shut-off valve. When not in use, cap the RYCO WEO male using the appropriate size RW811 series stop cap and plug the RYCO WEO female/cartridge using the appropriate size RW723 series stop plug.

| | | | |
|----------------------|--------------|--------------|--------------|
| RYCO WEO/BSPP | RW721 | RW830 | RW860 |
|----------------------|--------------|--------------|--------------|

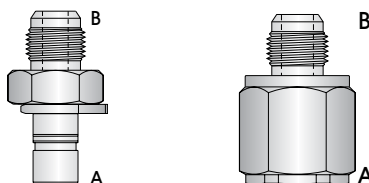
STRAIGHT



| RYCO WEO SIZE A | | THREAD SIZE B | DASH SIZE | RYCO WEO MALE BSPP FEMALE | RYCO WEO FEMALE BSPP ENCAPSULATED MALE | RYCO WEO FEMALE SWIVEL BSPP ENCAPSULATED MALE |
|-----------------|------|---------------|-----------|---------------------------|--|---|
| DN | inch | inch | | PART NO | PART NO | PART NO |
| 6 | 1/4 | 1/4 | -0404 | | RW830-0404 | |
| 10 | 3/8 | 3/8 | -0606 | RW721-0606 | RW830-0606 | RW860-0606 |
| 12 | 1/2 | 1/2 | -0808 | RW721-0808 | RW830-0808 | RW860-0808 |
| 19 | 3/4 | 3/8 | -1212 | RW721-1212 | RW830-1212 | RW860-1212 |
| 25 | 1 | 1 | -1616 | | RW830-1616 | |

| | | |
|---------------------|--------------|--------------|
| RYCO WEO/JIC | RW727 | RW824 |
|---------------------|--------------|--------------|

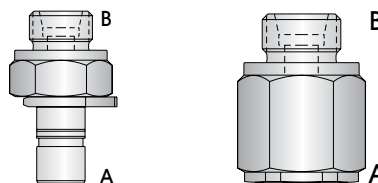
STRAIGHT



| RYCO WEO SIZE A | | THREAD SIZE B | DASH SIZE | RYCO WEO MALE JIC MALE | RYCO WEO FEMALE JIC MALE |
|-----------------|------|---------------|-----------|------------------------|--------------------------|
| DN | inch | inch | | PART NO | PART NO |
| 6 | 1/4 | 7/16 | -0407 | RW727-0407 | RW824-0407 |
| 10 | 3/8 | 9/16 | -0609 | RW727-0609 | RW824-0609 |
| 12 | 1/2 | 3/4 | -0812 | RW727-0812 | RW824-0812 |
| 12 | 1/2 | 7/8 | -0814 | | RW824-0814 |
| 12 | 1/2 | 1.1/16 | -0817 | | RW824-0817 |
| 19 | 3/4 | 1.1/16 | -1217 | RW727-1217 | RW824-1217 |

| | | |
|------------------------|--------------|--------------|
| RYCO WEO/METRIC | RW725 | RW822 |
|------------------------|--------------|--------------|

STRAIGHT



| RYCO WEO SIZE A | | THREAD SIZE B | TUBE OD | DASH SIZE | RYCO WEO MALE DKL MALE | RYCO WEO FEMALE DKL MALE |
|-----------------|------|---------------|---------|-----------|------------------------|--------------------------|
| DN | inch | inch | mm | | PART NO | PART NO |
| 6 | 1/4 | M14x1,5 | 8 | -0414 | RW725-0414 | RW822-0414 |
| 10 | 3/8 | M18x1,5 | 12 | -0618 | RW725-0618 | RW822-0618 |
| 12 | 1/2 | M22x1,5 | 15 | -0822 | RW725-0822 | RW822-0822 |
| 19 | 3/4 | M30x2,0 | 22 | -1230 | RW725-1230 | RW822-1230 |

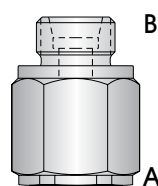
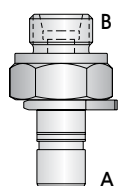
NOTE: RYCO WEO male and female couplings and adaptors do not contain a shut-off valve. When not in use, cap the RYCO WEO male using the appropriate size RW811 series stop cap and plug the RYCO WEO female/cartridge using the appropriate size RW723 series stop plug.

ADAPTORS

RYCO WEO ADAPTORS

| | | |
|------------------------|--------------|--------------|
| RYCO WEO/METRIC | RW726 | RW823 |
|------------------------|--------------|--------------|

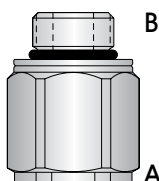
STRAIGHT



| RYCO WEO SIZE A | | THREAD SIZE B | | TUBE OD | DASH SIZE | RYCO WEO MALE DKS MALE | RYCO WEO FEMALE DKS MALE |
|--------------------|------|---------------------|----|---------|--------------|---------------------------|-----------------------------|
| DN | inch | inch | mm | | | PART NO | PART NO |
| 6 | 1/4 | M16x1,5 | 8 | | -0416 | RW726-0416 | RW823-0416 |
| 10 | 3/8 | M20x1,5 | 12 | | -0620 | RW726-0620 | RW823-0620 |
| 12 | 1/2 | M24x1,5 | 16 | | -0824 | RW726-0824 | RW823-0824 |
| 19 | 3/4 | M36x2,0 | 25 | | -1236 | RW726-1236 | RW823-1236 |

| | |
|------------------------------------|--------------|
| RYCO WEO/METRIC O RING BOSS | RW831 |
|------------------------------------|--------------|

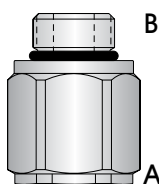
STRAIGHT



| RYCO WEO SIZE A | | THREAD SIZE B | | DASH SIZE | RYCO WEO MALE METRIC MALE O RING BOSS |
|--------------------|------|---------------------|--|--------------|---|
| DN | inch | inch | | | PART NO |
| 10 | 3/8 | M12x1,5 | | -06 | RW831-0612 |
| 10 | 3/8 | M16x1,5 | | -06 | RW831-0616 |
| 12 | 1/2 | M18x1,5 | | -08 | RW831-0818 |
| 19 | 3/4 | M22x1,5 | | -12 | RW831-1222 |
| 19 | 3/4 | M27x2,0 | | -12 | RW831-1227 |

| | |
|---------------------|--------------|
| RYCO WEO/UNO | RW826 |
|---------------------|--------------|

STRAIGHT

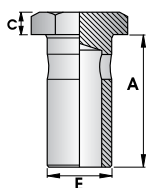


| RYCO WEO SIZE A | | THREAD SIZE B | | DASH SIZE | RYCO WEO FEMALE UN O RING MALE |
|--------------------|------|------------------|--|--------------|-----------------------------------|
| DN | inch | inch | | | PART NO |
| 6 | 1/4 | 7/16 | | -0407 | RW826-0407 |
| 10 | 3/8 | 9/16 | | -0609 | RW826-0609 |
| 12 | 1/2 | 3/4 | | -0812 | RW826-0812 |
| 12 | 1/2 | 7/8 | | -0814 | RW826-0814 |
| 12 | 1/2 | 1.1/16 | | -0817 | RW826-0817 |
| 19 | 3/4 | 1.1/16 | | -1217 | RW826-1217 |
| 25 | 1 | 1.5/16 | | -1621 | RW826-1621 |

NOTE: RYCO WEO male and female couplings and adaptors do not contain a shut-off valve. When not in use, cap the RYCO WEO male using the appropriate size RW811 series stop cap and plug the RYCO WEO female/cartridge using the appropriate size RW723 series stop plug.

BSP BANJO BOLT

BBB

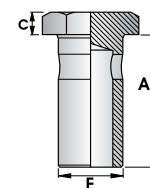


| THREAD SIZE E | DIMENSIONS (MM) | | | BSP BANJO BOLT | PART NO |
|---------------|-----------------|------|-----|----------------|---------------|
| | A | C | A/F | | |
| inch | | | | | |
| G1/4"-19 | 28,5 | 6,0 | 19 | | BBB-04 |
| G3/8"-19 | 38,5 | 7,0 | 22 | | BBB-06 |
| G1/2"-14 | 44,0 | 8,5 | 27 | | BBB-08 |
| G5/8"-14 | 48,5 | 10,0 | 30 | | BBB-10 |
| G3/4"-14 | 56,0 | 10,0 | 32 | | BBB-12 |
| G1"-11 | 68,5 | 13,0 | 41 | | BBB-16 |

NOTE: RL21D Seals for BBB Banjo Bolts can be found on page 406.

METRIC BANJO BOLT

BBM

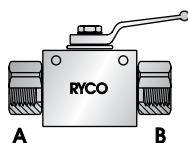


| THREAD SIZE E | DIMENSIONS (MM) | | | METRIC BANJO BOLT | PART NO |
|---------------|-----------------|----|-----|-------------------|---------------|
| | A | C | A/F | | |
| mm | | | | | |
| M10x1,0 | 19 | 6 | 14 | | BBM-10 |
| M12x1,5 | 24 | 6 | 17 | | BBM-12 |
| M14x1,5 | 26 | 6 | 19 | | BBM-14 |
| M16x1,5 | 28 | 6 | 22 | | BBM-16 |
| M18x1,5 | 32 | 6 | 24 | | BBM-18 |
| M20x1,5 | 37 | 7 | 27 | | BBM-20 |
| M22x1,5 | 39 | 7 | 27 | | BBM-22 |
| M26x1,5 | 45 | 7 | 32 | | BBM-26 |
| M30x1,5 | 51 | 7 | 36 | | BBM-30 |
| M36x2,0 | 71 | 12 | 46 | | BBM-36 |

NOTE: MBD Seals for BBM Banjo Bolts can be found on page 434.

BSPP BALL VALVE

RL20SH



| THREAD SIZE | | DASH SIZE | MAX. WORKING PRESSURE | | BALL VALVE BSPP FEMALE BSPP FEMALE |
|-------------|-------|-----------|-----------------------|------|--|
| A | B | | bar | psi | |
| inch | inch | | bar | psi | PART NO |
| 1/4 | 1/4 | -0404 | 500 | 7250 | RL20SH-0404 |
| 3/8 | 3/8 | -0606 | 500 | 7250 | RL20SH-0606 |
| 1/2 | 1/2 | -0808 | 500 | 7250 | RL20SH-0808 |
| 3/4 | 3/4 | -1212 | 400 | 5800 | RL20SH-1212 |
| 1 | 1 | -1616 | 350 | 5100 | RL20SH-1616 |
| 1.1/4 | 1.1/4 | -2020 | 350 | 5100 | RL20SH-2020 |
| 1.1/2 | 1.1/2 | -2424 | 350 | 5100 | RL20SH-2424 |
| 2 | 2 | -3232 | 350 | 5100 | RL20SH-3232 |

TECHNICAL



| PAGE | SECTION |
|-------------------|--|
| 466 to 470 | HOSE SELECTION AND HOSE ASSEMBLIES |
| 466 | Hose Selection Nomograph |
| 467 | How to Order Hose Assemblies |
| 468 | How to Order Hose Assemblies & Cut-Off Allowance (CA) |
| 469 to 405 | Hose Selection |
| 471 to 473 | SAFETY |
| 471 to 473 | Safety Guide |
| 474 | Safety Guide – Maximum Temperature Limits |
| 476 | Characteristics of Hose Elastomers |
| 477 | Chemical Compatibility for Hose |
| 478 to 494 | HOSE ASSEMBLY GUIDES |
| 478 | Field Attachable Non-Skive Hose Assembly |
| 479 | Field Attachable Skive Hose Assembly |
| 480 | Non-Skive Hose Assembly |
| 481 | Skive Hose Assembly |
| 482 | Assembly Instructions – RTH1 Hoses |
| 483 | Assembly Instructions – SRX & SRF Hoses |
| 484 | Assembly Instructions – PL1D , PL1PV & RQP6 Hoses |
| 485 | Assembly Instructions – TP7T, TP7TN, TP8T and TP8TN Twin Hose |
| 486 to 487 | Tube Flaring Dimensions – 37° JIC and 45° SAE |
| 488 to 489 | Assembly Instructions – Tube Bite Hose Couplings (End Style 850) |
| 490 to 491 | Assembly Instructions – S134 J-LOK Flareless Tube Fittings |
| 492 to 494 | Hose Assembly – Installation Guide |
| 495 | Factor Of Safety - Hose Assemblies |
| 496 to 500 | THREAD AND CONNECTOR DATA |
| 496 to 500 | Guide to Thread and Connector Working Pressures |
| 501 | Important Note regarding Thread Dash Size/Tube Dash Size |
| 502 to 514 | Thread and Connector Identification |
| 515 to 516 | TORQUE ASSEMBLY VALUES |
| 517 | Abbreviations |

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

HOSE SIZE SELECTION NOMOGRAPH

INDICATING FLOW CAPACITY OF HOSE ASSEMBLIES AT RECOMMENDED FLOW VELOCITIES SELECTING THE RIGHT HOSE SIZE

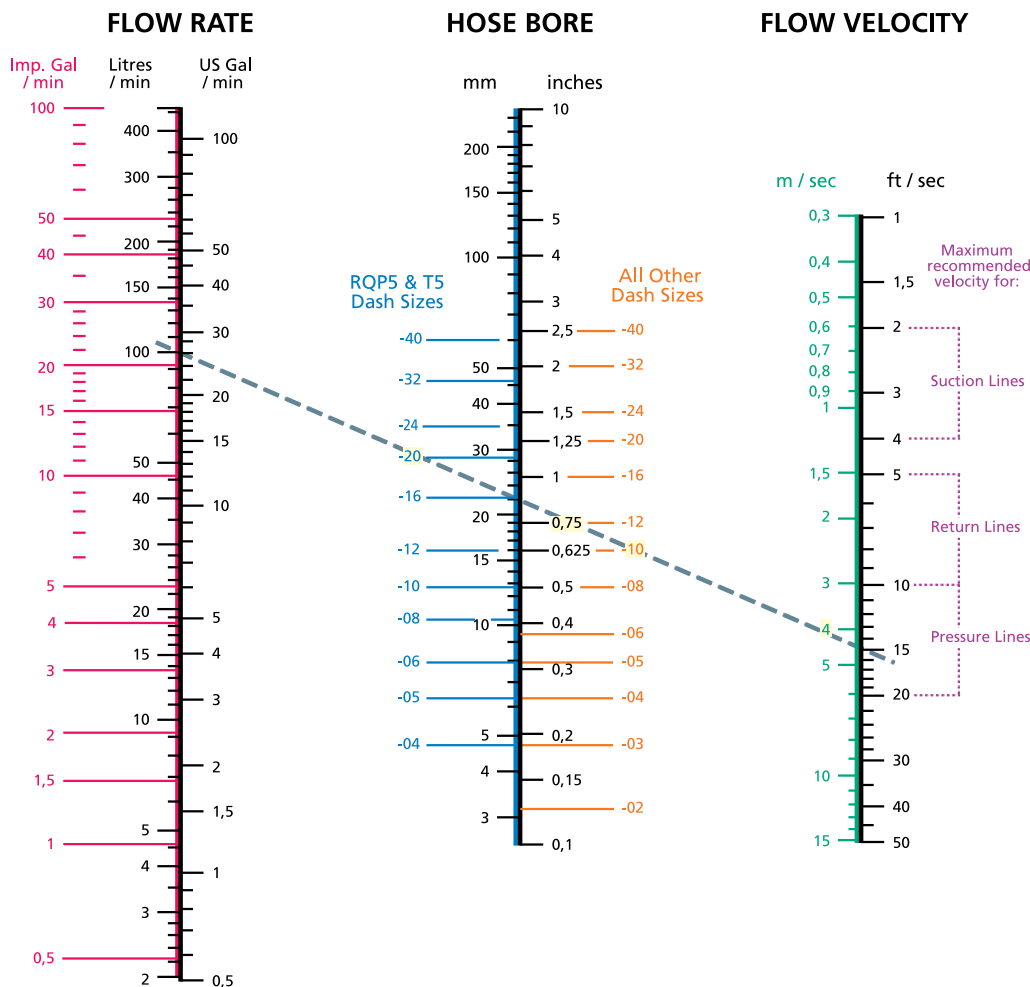
With this nomograph, you can easily select the correct Hose ID size, Desired Flow Rate and Recommended Flow Velocity. If any two of these factors are known, the third can be determined.

TO USE THIS NOMOGRAPH:

1. Pick the two known values.
2. Lay a straightedge to intersect the two values.
3. Intersection on the third vertical line gives the value of that factor.

Example: To find the bore size for a Pressure Line consistent with a Flow Rate of 100 litres per minute (26 US or 22 Imperial gallons per minute), and a Flow Velocity of 4,5 metres per second (14.8 feet per second), connect Flow Rate to Flow Velocity and read Hose Bore on centre scale.

ANSWER: THE LINE CROSSES HOSE BORE BETWEEN -12 AND -16 ON "ALL OTHER DASH SIZES" SIDE OF HOSE BORE AXIS, SO A -16 HOSE IS REQUIRED. IF RQP5 OR T5 HOSE IS TO BE USED, FOR THIS EXAMPLE -16 WOULD ALSO BE REQUIRED.



The velocity of the fluid should not exceed the range shown in the right hand column. When oil velocities are higher than recommended in the chart, turbulent flow occurs, resulting in loss of pressure and excessive heating. For long hoses and/or high viscosity oil, or if the flow of hydraulic fluid is continuous, it is recommended to use figures at the lower end of the Maximum Recommended Velocity range. For short hoses and/or low viscosity oil, or if the flow of hydraulic fluid is intermittent or for only short periods of time, figures at the higher end of the Maximum Recommended Velocity range can be used.

A FURTHER EXAMPLE WILL HELP YOU TO USE THIS CHART:

Determine the hose size required to carry 40 litres of oil per minute and determine the velocity of the oil through the hose assembly. The assembly is to be used as a pressure line and the flow will be continuous.

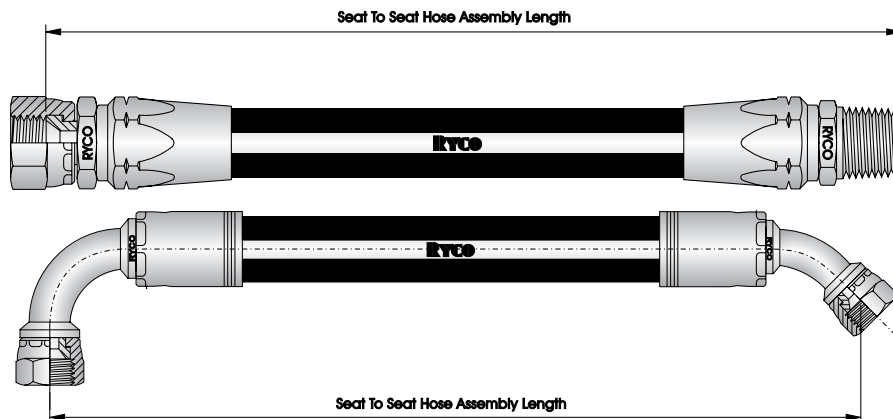
Locate the flow, 40 litres per minute (left hand column), and velocity, 15 feet per second (right hand column), since 15 is the centre of the Pressure Lines Maximum recommended velocity range. Lay a straight edge across these two points.

The straight edge crosses the centre column just above the -08 on "All Other Dash Sizes" side of Hose Bore axis. Keeping the straight edge on 40 litres per minute, cross the centre column at -08 and -10 sizes and read the Flow Velocity in the right hand column. It can be seen that using -08 Hose Size, Flow Velocity will be 18 feet per second, and for -10 Hose Size, Flow Velocity will be 11 feet per second. As the flow is continuous, -10 Hose Size is recommended.

HOSE ASSEMBLIES OF SPECIFIC LENGTHS

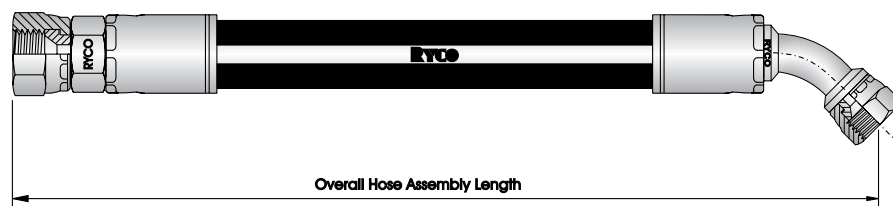
All RYCO hose assemblies are manufactured seat to seat length unless otherwise specified by customer. The length of a Hose Assembly can be measured in three ways:

1. SEAT TO SEAT LENGTH. (RYCO STANDARD, UNLESS OTHERWISE SPECIFIED).



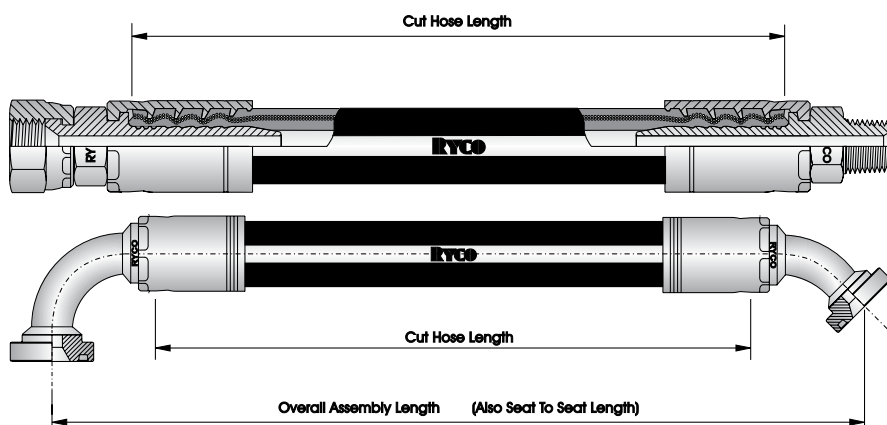
Length is measured from tip of seat to tip of seat.

2. OVERALL LENGTH. (OA)



Length is measured from tip of nut to tip of nut.

3. CUT HOSE LENGTH. (CL)



This is the length that the hose is cut to before couplings are attached. The length of the couplings is extra.

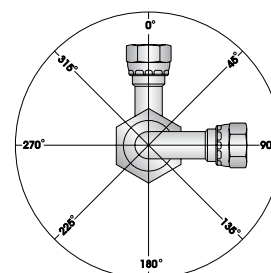
NOTE: For male fittings and flanged fittings, seat and overall length measurement points are the same.

ORIENTATION OF FITTINGS.

Proper positioning of elbow end fittings on a hose is governed by the offset angle, or the amount of angular offset between connecting parts in the installation. If this angle of orientation is not correct in the construction of a hose assembly the performance and life of the assembly will be greatly reduced.

Orientation is determined by the number of degrees between the fitting furthest from the viewer and the fitting nearest to the viewer, measured in a clockwise direction.

ORIENTATION TOLERANCES:
 $\pm 3^\circ$ on lengths up to 600 mm (24").
 $\pm 5^\circ$ on lengths over 600 mm (24").



HOW TO ORDER HOSE ASSEMBLIES & CUT-OFF ALLOWANCE (CA)

HOW TO ORDER HOSE ASSEMBLIES

When ordering Hose Assemblies, specifying by the following system will assist; or alternatively supply a clear, concise drawing or sketch.

1. **Hose Type.**
2. **(Hose Protection or extra operations to hose)** - if applicable.
3. **Hose Assembly Length** (expressed in mm), followed by method of measurement:
blank if "Seat to Seat Length"
-OA if "Overall Length"
-CL if "Cut Hose Length"
4. **Fitting End 1.**
5. **Fitting End 2.**
6. **Angle of Orientation** if both fittings are elbows and/or tube bends.

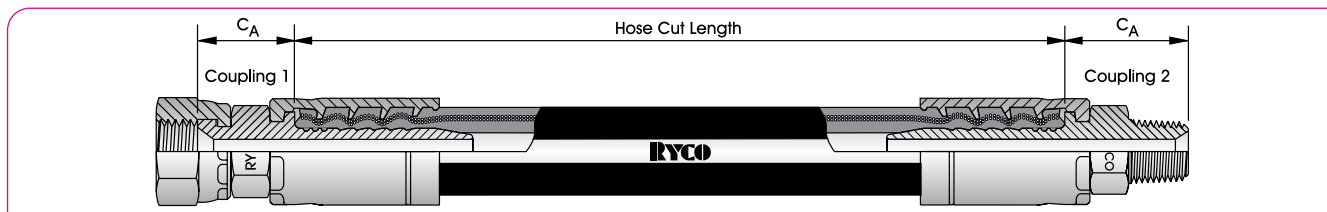
EXAMPLES:

1. **T3008D * 1830 * T2090-0808 * T2040-0814** – Hose will be made 1830 mm Seat to Seat.
2. **T3008D * 1830-OA * T2090-0808 * T2040-0814** – Hose will be made 1830 mm tip of T2090 male to tip of T2040 nut.
3. **T28D * 1830 * T2050-0808 * T2730-0824 @ 135°** – Hose assembly will be manufactured so that when T2050-0808 is furthest away the T2730-0824 will be oriented 135° clockwise.
4. **T5008D * 1640-CL * L010-0812 * L040-0817** – Hose will be cut to 1640 mm and length of fittings will be extra.
5. **H6012D * (RSG-32 * 1000) * 1000-OA * T7630-1236 * T7720-1236** – Hose will be covered with RSG for full length of hose assembly. Length will be overall from T7630 tip to T7720 bend centreline.
6. **RQP212 * (PIERCE * 2200) * 2200 * T2090-1212 * T2040-1217** – Hose cover will be pierced/pin pricked.
7. **T18D * 1830 * T2010-0808 * T2020-0808 + S27-0808** – The length of the S27-0808 is extra, not included in the 1830 mm.

CUT-OFF ALLOWANCE (CA)

Values for Cut-off Allowance (CA) dimensions are published in this Product Technical Manual.

CA dimensions allow calculation of the Hose Cut Length required to make a Hose Assembly of a particular Seat to Seat Length.



EXAMPLE:

For a Hose Assembly using **T2040-0609** coupling one end, and **T2090-0606** coupling other end, with a required Seat to Seat Length of 750 mm, calculate the Hose Cut Length required.

From page 203, CA dimension for T2040-0609 is 22 mm. This is "coupling 1" for the required hose assembly.

From page 199, CA dimension for T2090-0606 is 33 mm. This is "coupling 2" for the required hose assembly.

$$\text{Cut Length of Hose} = \text{Seat to Seat Length of Hose Assembly} - \text{CA (coupling 1)} - \text{CA (coupling 2)} = 750 \text{ mm} - 22 \text{ mm} - 33 \text{ mm} = 695 \text{ mm}$$

IMPORTANT NOTES:

1. CHECK AND MEASURE COUPLING BEFORE CUTTING HOSE

For all Couplings, before calculating the Cut Length of the hose, measure and check that the CA dimension of the physical coupling complies with that published. CA dimensions may vary due to manufacturing method or design refinement.

2. HOSE ASSEMBLY LENGTH GROWTH AFTER COUPLING ATTACHMENT

The CA dimension is measured from where the hose abuts when fully inserted, to the connection end seat of the coupling. With most Crimp Couplings¹, and Field Attachable Couplings having ferrules²; due to compression of the hose within the coupling after attachment, a growth in length occurs, in addition to the published CA dimension. Growth varies with different types and sizes of hose and couplings. For longer hoses, and non-critical applications, it is common practice to ignore the growth, as the extra length generated usually does not affect the function of the hose assembly. In applications where the length of the hose assembly is critical, the growth must be allowed for when calculating Cut Length of hose. RYCO recommends measuring the growth when the first coupling is attached by measuring between reference points marked on the coupling and hose before and after coupling attachment, then adjusting the Cut Length of the hose to compensate.

3. See page 355 for extra information about CA dimensions for K000, L000, M000 and P000 Series Field Attachable couplings.

4. See note on page 188 regarding Drop Length (DL) and Cut-off Allowance (CA) published dimensions.

5. For Hose Assemblies, the following must be considered: Maximum Working Pressure of the Hose; End Style (Connector Termination), see pages 496 to 500 and Minimum Free Length, see page 473 in the "Safety Guide", pages 471 to 473

Note:

1) For T4000 Series couplings with SRX and SRF hose series, growth varies and must be measured each time.

2) For practical purposes, 8000 Series Push-On and 33000 Series couplings do not experience extra growth.

SELECTION, INSTALLATION AND MAINTENANCE OF HOSE AND HOSE ASSEMBLIES

SCOPE:

1. Many factors affect the selection, making, installation and maintenance of hose assemblies. This catalogue, RYCO Hydraulics (RYCO), and The Society of Automotive Engineers recommended practice SAE J1273, have useful information about selecting, making, installing and servicing hydraulic hose assemblies. For further information, please contact your local RYCO representative.

RYCO recommends hose and coupling combinations in the catalogue only after completing extensive testing. Evaluation of a hose and coupling combination requires considerable impulse testing and cannot be determined by a simple burst or pressure hold test. RYCO disclaims all liability for any hose assembly made in violation of RYCO recommendations, procedures and current crimp data. Crimp data is updated from time to time.

The consumer's exclusive remedy with respect to any claim shall be a refund of the purchase price or replacement of the product at the option of RYCO. In no event shall RYCO be liable for any incidental or consequential damages whatsoever.

WARNING: IMPROPER SELECTION, INSTALLATION, OR MAINTENANCE MAY RESULT IN PREMATURE FAILURES, BODILY INJURY, PROPERTY DAMAGE.

SELECTION:

2. The following is a list of factors which must be considered before final hose selection can be made:
 - 2.1 **Internal Pressure** – After determining the system pressure, hose selection must be made so that the recommended maximum operating pressure is equal to or greater than the system pressure. Surge pressures higher than the maximum operating pressure will shorten hose life and must be taken into account by the hydraulic engineer. Hose fitting rated pressures should also be considered, as the maximum working pressure is based on the whole hose assembly and not just the hose alone.
 - 2.2 **External Pressure** – In certain applications the external environmental pressures may exceed the fluid pressure inside the hose, therefore these factors need to be considered.
 - 2.3 **Suction** – Hoses used for suction applications must be selected to ensure that the hose will withstand the vacuum and pressure of the system.
 - 2.4 **Temperature** – Care must be taken to ensure that fluid and ambient temperatures, both static and transient, do not exceed the limitations of the hose. Special care must be taken when routing near hot objects such as manifolds.
 - 2.5 **Fluid Compatibility** – Hose selection must assure compatibility of the hose tube, cover, and fittings with the fluid used. Additional caution must be observed in hose selection for gaseous applications. For full compatibility table please refer to page "Chemical Compatibility for Hose" on page 477 in the Technical Section of this manual.
 - 2.6 **Size** – Transmission of power by means of pressurised fluid varies with pressure and rate of flow. The size of the components must be adequate to keep pressure losses to a minimum and avoid damage to the hose due to heat generation or excessive turbulence.
 - 2.7 **Routing** – Attention must be given to optimum routing to minimise inherent problems.
 - 2.8 **Environment** – Care must be taken to ensure that the hose and fittings are either compatible with, or protected from, the environment to which they are exposed. Environmental conditions such as ultraviolet light, ozone, salt water, chemicals and air pollutants can cause degradation and premature failure and, therefore, must be considered.
 - 2.9 **Mechanical Loads** – External forces can significantly reduce hose life. Mechanical loads which must be considered include excessive flexing, twist, kinking, tensile or side loads, bend radius, and vibration. Use of swivel type fittings or adaptors may be required to ensure no twist is put into the hose. Unusual applications may require special testing prior to hose selection.
 - 2.10 **Abrasion** – While a hose is designed with a reasonable level of abrasion resistance, care must be taken to protect the hose from excessive abrasion which can result in erosion, snagging, and cutting of the hose cover. Exposure of the reinforcement will significantly accelerate hose failure.
 - 2.11 **Proper End Fitting** – Care must be taken to ensure proper compatibility exists between the hose and coupling selected based on the manufacturer's recommendations substantiated by testing to industry standards such as SAE J517.
 - 2.12 **Length** – When establishing proper hose length; motion absorption, hose length changes due to pressure, as well as hose and machine tolerances must be considered.
 - 2.13 **Specifications and Standards** – When selecting hose; government, industry, and manufacturer's specifications and recommendations must be reviewed as applicable.
 - 2.14 **Hose Cleanliness** – Hose components vary in cleanliness levels. Care must be taken to ensure that the assemblies selected have an adequate level of cleanliness for the application.
 - 2.15 **Electrical Conductivity** – Certain applications require that hose be non-conductive to prevent electrical current flow. Other applications require the hose to be sufficiently conductive to drain off static electricity. Hose and fittings must be chosen with these needs in mind.
 - 2.16 **High Pressure Gas** – Do not use hydraulic hose to transmit high pressure gases.

HOSE SELECTION

- 2.17 **Vibration** - Vibration can reduce hose service life. If necessary, conduct tests to evaluate the effects of frequency and amplitude of system vibration on a hose assembly. Clamps of other devices may be used to reduce the effects of vibration.

INSTALLATION:

3. After selection of proper hose, the following factors must be considered by the installer:
- 3.1 **Pre-installation Inspection** – Prior to installation, a careful examination of the hose must be performed. All components must be checked for correct style, size and length. In addition, the hose assembly, and each of the individual components comprising the assembly, must be examined for cleanliness, I.D. obstructions, blisters, loose cover, or any other visible defects.
 - 3.2 **Follow Manufacturer's Assembly Instructions.**
 - 3.3 **Minimum Bend Radius** – Installation at less than minimum bend radius may significantly reduce hose life. Particular attention must be given to preclude sharp bending at the hose/fittings juncture which may result in leaking, hose rupturing, or the hose assembly blowing apart.
 - 3.4 **Lengths:** Unnecessarily long hose can increase pressure drop and affect system performance. When pressurised, hose that is too short may pull loose from its fittings, or stress the hose fitting connections, causing premature metallic or seal failures.
 - 3.5 **Twist Angle and Orientation** – Hose installations must be such that relative motion of machine components produces bending of the hose rather than twisting.
 - 3.6 **Securement** – In many applications, it may be necessary to restrain, or guide, the hose to protect it from damage by unnecessary flexing, pressure surges, and contact with other mechanical components. Care must be taken to ensure such restraints do not introduce additional stress or wear points.
 - 3.7 **Proper Connection of Ports** – Proper physical installation of the hose requires a correctly installed port connection while ensuring that no twist or torque is transferred to the hose.
 - 3.8 **Avoid External Damage** – Proper installation is not complete without ensuring that all tensile loads, side loads, kinking, flattening, potential abrasion, thread damage, or damage to sealing surfaces are corrected or eliminated.
 - 3.9 **System Check out** – After completing the installation, all entrapped air must be eliminated, then the system must be pressurised to the maximum system pressure and checked for proper function, and for freedom from leaks.

NOTE: AVOID POTENTIAL HAZARDOUS AREAS WHILE TESTING.

MAINTENANCE:

4. Even with proper selection and installation, hose life may be significantly reduced without a continuing maintenance program. Maintenance and Inspection frequency should be determined by the severity of the application and risk potential. A maintenance program should include the following as a minimum.
- 4.1 **Hose Storage** – Hose products in storage can be adversely affected by temperatures, humidity, ozone, sunlight, oils, solvents, corrosive liquids and fumes, insects, rodents, radioactive materials, sharp edges and abrasive surfaces, electric or strong magnetic fields, mould and fungi. Storage areas should be relatively cool and dark and free of dust, dirt, dampness and mildew. Store hose in a manner that facilitates age control and first-in, first-out usage based on manufacturing date on hose or hose assembly.
 - 4.2 **Visual Inspection** – Any of the following conditions require immediate system shut down and replacement of the hose assembly:
 - a) Leaks at fittings or in hose. (Leaking fluid is a fire hazard.)
 - b) Damaged, cut, or abraded cover. (Any reinforcement exposed.)
 - c) Kinked, crushed, flattened, or twisted hose.
 - d) Hard, stiff, heat cracked, or charred hose.
 - e) Blistered, soft, degraded, or loose cover.
 - f) Cracked, damaged, or badly corroded fittings.
 - g) Slippage or movement of fittings on the hose.
 - 4.3 **Visual Inspection** – The following items must be tightened, repaired or replaced as required.
 - a) Leaking port conditions.
 - b) Clamps, guards, shields.
 - c) Remove excessive dirt build-up.
 - d) System fluid level, fluid type, and any air entrapment.
 - 4.4 **Functional Test** – Operate the system at maximum operating pressure and check for possible malfunctions and freedom from leaks.
- NOTE: AVOID POTENTIAL HAZARDOUS AREAS WHILE TESTING.**
- 4.5 **Replacement Intervals** – Specific replacement intervals must be considered based on previous service life, government or industry recommendations, or when failures could result in unacceptable down time, damage, or injury risk.



SAFETY GUIDE

FOR THE SELECTION AND USE OF HOSE, FITTINGS AND RELATED ACCESSORIES

Failure or improper selection or improper use of hose, fittings, or related accessories can cause death, personal injury and property damage. Possible consequences of failure or improper selection or improper use of hose, fittings, or related accessories include, but are not limited to:

- Fittings blown off at high speed.
- High velocity fluid discharge.
- Explosion, or burning, of the conveyed fluid.
- Electrocution from high voltage electric power lines or other sources of electricity.
- Contact with suddenly moving, or falling, objects that are held in position, or moved, by conveyed fluid.
- Injections by high-pressure fluid discharge.
- Dangerously whipping hose.
- Contact with conveyed fluids that may be hot, cold, toxic or otherwise injurious.
- Sparking or explosion caused by static electricity build-up.
- Sparking, or explosion, while spraying paint or other flammable liquid.

1. GENERAL INSTRUCTIONS:

- 1.1 **Scope:** This safety guide provides instructions for selecting and using (including assembling, installing and maintaining) hose fittings (including all products commonly called “fittings” or “couplings” for attachment to hose), and related accessories (including crimping machines and tooling). This safety guide is to be used in conjunction with the specific publications for the specific hose, fittings and related accessories that are being considered for use.
- 1.2 **Fail-Safe:** Hose and hose assemblies can and do fail. Design all systems in a fail-safe mode, so that failure of the hose or hose assembly or related accessories will not endanger persons or property.
- 1.3 **Distribution:** Provide a copy of this safety guide to each person who is responsible for selecting, or using, hose and fittings and related accessories. Do not select, or use, hose and fittings or related accessories without thoroughly understanding this safety guide.
- 1.4 **User Responsibility:** Due to the wide variety of operating conditions and uses for hose and fittings and related accessories, RYCO do not represent or warrant that any particular hose or fitting or related accessories is suitable for any specific end use. This safety guide does not analyse all technical parameters that must be considered in selecting a product. The product user, through its own analysis and testing, is solely responsible for:
 - The final selection of the hose and fittings and related accessories.
 - Assuming that requirements are met and the use presents no health or safety hazards.
 - Providing all appropriate health and safety warnings where hose and fittings and related accessories are used.
- 1.5 **Additional Questions:** Contact the RYCO Hydraulics Technical Department if you have any questions or require any additional information.

2. HOSE AND FITTING SELECTION INSTRUCTIONS:

- 2.1 **Electrical Conductivity:** Certain applications require that a hose be non-conductive to prevent electrical current flow. Other applications require the hose to be sufficiently conductive to drain off static electricity. Extreme care must be exercised when selecting hose and fittings for these or any other applications. For applications that require hose to be electrically non-conductive, including but not limited to applications near high voltage electric lines, only special non-conductive hose can be used. The manufacturer of the equipment must be consulted to be certain that the hose and fittings selected are correct for the application. Do not use any RYCO hose or fittings for any such application unless:
 - (i) the application is expressly approved by RYCO
 - (ii) the hose is both orange colour and marked “non-conductive”
 - (iii) the manufacturer of the equipment specifically approves the particular RYCO hose and fittings.

Do not use any RYCO hose or fittings for conveying paint in airless spraying or similar applications without the written approval of RYCO in each case. A special hose and fittings assembly is required for this application. If the correct hose and fitting application is not used for this application, static electricity can build up and cause sparks that may result in an explosion and/or fire.

The electrical conductivity or non-conductivity of hose and fittings is dependent upon many factors and may be susceptible to change.

- 2.2 **Pressure:** Hose selection must be made so that the published maximum recommended working pressure of the hose is equal or greater than the maximum system pressure. Surge pressures in the system higher than the published maximum recommended working pressure will cause failure, or shorten hose life.
- 2.3 **Suction:** Hoses used for suction applications must be selected to ensure that the hose will withstand the vacuum and pressure of the system.
- 2.4 **Temperature:** Be certain that fluid and ambient temperatures, both steady and transient, do not exceed the limitations of the hose. Care must be taken when routing hose near hot objects such as manifolds.
- 2.5 **Fluid Compatibility:** Hose selection must assure compatibility of the hose tube, cover, reinforcement, and fittings with the fluid media used.

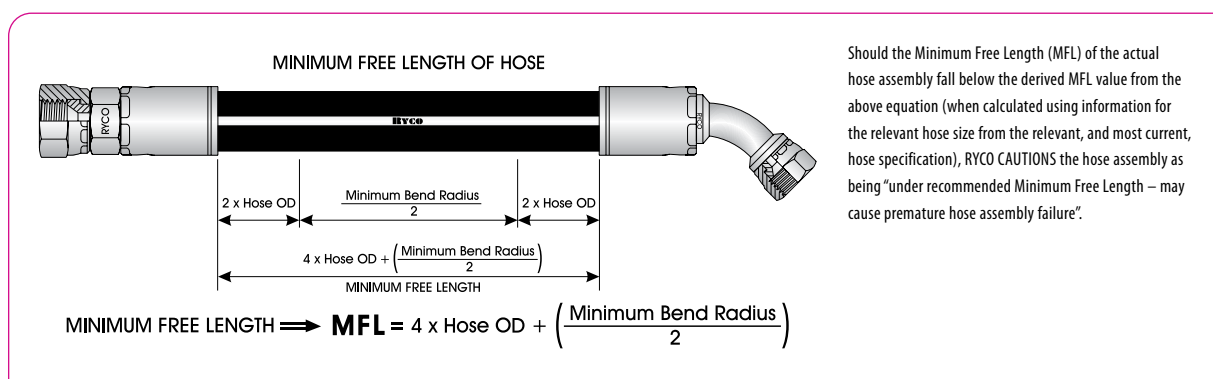
- 2.6 **Permeation:** Permeation (that is, seepage through the hose) will occur from inside the hose to the outside environment when hose is used with gases, liquid and gas fuels, and refrigerants (including but not limited to such materials such as helium, fuel, oil, natural gas or freon). This permeation may result in high concentrations of vapours which are potentially flammable, explosive, or toxic, and in loss of fluid. You must take into account the fact that permeation will occur and could be hazardous.
- Permeation of moisture from the outside environment to inside the hose will also occur. If this moisture permeation would have detrimental effects (particularly for, but not limited to, refrigeration and air conditioning systems), incorporation of appropriate system safeguards should be selected and used. Rubber hoses should not be painted without consulting RYCO first.
- 2.7 **Size:** Transmission of power by means of pressurised fluid varies with pressure and rate flow. The size of the components must be adequate to keep pressure losses to a minimum and avoid damage due to heat generation of excessive fluid velocity.
- 2.8 **Routing:** Attention must be given to optimum routing to minimise inherent problems.
- 2.9 **Environment:** Care must be taken to ensure that the hose and fittings are either compatible with or protected from the environment to which they are exposed including but not limited to ultraviolet radiation, sunlight, heat, ozone, moisture, water, salt water, chemicals and air pollutants.
- 2.10 **Mechanical Loads:** Consideration must be given to excessive flexing, twist, kinking, tensile or side loads, bend radius, and vibration. Use of swivel type fittings or adaptors may be required.
- 2.11 **Physical Damage:** Care must be taken to protect hose from wear, snagging and cuts.
- 2.12 **Proper End Fittings:** See instructions 3.2 through 3.5. These recommendations may be substantiated by testing to industry standards.
- 2.13 **Length:** When establishing a proper hose length; motion absorption, hose length changes due to pressure, and hose and machine tolerances must be considered.
- 2.14 **Specifications and Standards:** When selecting hose and fittings; government, industry, and RYCO specifications and recommendations must be reviewed and followed as applicable.
- 2.15 **Hose Cleanliness:** Hose components may vary in cleanliness levels. Care must be taken to ensure that the assembly selected has an adequate level of cleanliness for the application.
- 2.16 **Fire Resistant Fluids:** Some fire resistant fluids require the same hose as used with petroleum oil. Some use a special hose, while a few fluids will not work with any hose at all. See General Instructions 1.5 and Hose and Fitting Selection Instructions 2.5.
- 2.17 **Radiant Heat:** Hose can be heated to destruction without contact by nearby items such as hot manifolds or molten metal.
- 2.18 **Welding and Brazing:** Heating of plated parts, including hose fittings and adaptors, above 232°C (450°F) such as during welding, brazing, or soldering may emit deadly gases.
- 2.19 **Atomic Radiation:** Atomic radiation affects all materials used in hose assemblies. Do not expose hose assemblies to atomic radiation.

3. HOSE AND FITTING ASSEMBLY AND INSTALLATION INSTRUCTIONS:

- 3.1 **Pre-Installation Inspection:** Prior to installation, a careful examination of the hose assembly must be performed. All components must be checked for correct style, size, and length. The hose must be examined for cleanliness, obstructions, blisters, cover looseness, or any other visible defects.
- 3.2 **Hose and Fitting Assembly:** Do not assemble a RYCO fitting on a RYCO hose that is not specifically listed for that fitting by RYCO. Do not assemble RYCO fittings on another manufacturer's hose or a RYCO hose on another manufacturer's fitting unless RYCO approves the assembly in writing, and the user verifies the assembly and the application through analysis and testing. See instruction 1.4. The RYCO published instructions must be followed for assembling the fittings on the hose. These instructions are provided in the RYCO catalogue.
- 3.3 **Related Accessories:** Do not crimp or swage any RYCO hose or fitting with anything but the proper RYCO swage machine or crimp machine and in accordance with RYCO published instructions. Do not crimp or swage another manufacturer's hose fitting with a RYCO crimp machine or swage machine unless authorised in writing by RYCO.
- 3.4 **Safety Equipment:** During fabrication, use proper safety equipment, including eye protection, respiratory protection, and adequate ventilation.
- 3.5 **Reuse of Hose and Fittings:** Damaged hoses or hose fittings shall not be used.
- 3.6 **Assembly inspection:** After assembly, hose assemblies shall be inspected for visible defects and interior obstructions, such as tube bulges, etc.
- 3.7 **Marking:** Hose assemblies shall be marked in accordance with any relevant standards.
- 3.8 **Parts:** Do not use any RYCO hose or fitting part unless used with the correct RYCO mating parts, in accordance with published instructions, unless authorised in writing by RYCO.
- 3.9 **Field Attachable/Permanent:** Field Attachable couplings may be reattached once only after their first use, provided that they have not been part of a hose assembly that has failed, and are in a fit condition for reuse. Do not reuse any field attachable hose coupling that has blown or pulled off a hose. Do not reuse any permanent (that is, crimped or swaged) hose fittings or any part thereof.

- 3.10 **Minimum Bend Radius:** Installation of a hose at less than the minimum listed bend radius may significantly reduce hose life.
- 3.11 **Twist Angle and Orientation:** Hose installations must be such that relative motion of machine components does not produce twisting.
- 3.12 **Securement:** In many applications, it may be necessary to restrain, protect, or guide the hose to protect it from damage. Care must be taken to ensure such restraints do not introduce additional stress or wear points.
- 3.13 **Proper Connection of Ports:** Proper physical installation of the hose requires a correctly installed port connection while ensuring that no twist or torque is transferred to the hose.
- 3.14 **Assembly Torque:** The correct torque instructions and specifications must be followed to obtain a proper seal when a hose assembly is attached to a port, an adaptor or another assembly.
- 3.15 **External Damage:** Proper installation is not complete without ensuring that tensile loads, side loads, kinking, flattening, potential abrasion, thread damage, or damage to sealing surfaces are corrected or eliminated. See instruction 2.10.
- 3.16 **System Check-out:** After completing the installation, all air entrapment must be eliminated and the system pressurised to the maximum system pressure and checked for proper function and freedom from leaks.
NOTE: Avoid potential hazardous areas while testing.
- 3.17 **Minimum Free Length of Hose Assemblies:** Occasionally requests or orders arise for hydraulic hose assemblies where the 'Free Length' of hose between the ferrules of the couplings is not long enough, and could hinder the ability of the hose assembly to function properly. This is particularly the case when utilising very short hose assemblies, where a shortening or shrinkage of the hose under pressure may result in hose and coupling separation. In addition, small misalignments, vibration and other displacements may induce very high stresses upon the hose/coupling juncture, as there is little capacity for the flexible nature of the hose to compensate.

Due to the possible problems associated with using very short hose assemblies, RYCO has adopted the following general rule (equation) for the allowable Minimum Free Length (MFL) of hose to be used as a guide when fabricating or ordering a hydraulic hose assembly.



4. HOSE AND FITTING MAINTENANCE INSTRUCTIONS:

Even with proper selection and installation, hose life may be significantly reduced without a continuing maintenance program. Frequency should be determined by the severity of the application and risk potential. A maintenance program must include the following as a minimum.

- 4.1 **Visual Inspection Hose/Fitting:** Any of the following conditions require immediate system shut down and replacement of the hose assembly:
- Slippage or movement of fittings on the hose
 - Damaged, cut or abraded cover
 - Hard, stiff, heat cracked, or charred hose
 - Cracked, damaged, or badly corroded fittings
 - Leaks at fitting or in hose
 - Kinked, crushed, flattened or twisted hose
 - Blistered, soft, degraded or loose cover
 - Unusual noise, odour or heat
- 4.2 **Visual Inspection All Other:** The following items must be tightened, repaired or replaced as required:
- Leaking port conditions
 - Remove excess dirt build-up
 - Clamps, guards, shields
 - System fluid level, fluid type and any air entrapment
- 4.3 **Functional Test:** Operate the system at maximum operating pressure and check for possible malfunctions and freedom from leaks.
- 4.4 **Replacement Intervals:** Specific replacement intervals must be considered based on previous service life, government or industry recommendations. See instructions 1.2.

Some RYCO Hose Series are not listed on page 58: **M2G, M1, RTH1, MP1**.

These Hoses are specific purpose Hoses, and their temperature limits are specified in the Hose Section of this Product Technical Manual. Contact RYCO Technical Department for any further queries.

Other RYCO Hose Series are listed on page 58. The Maximum Working Temperatures for these hoses, as listed in the Hose Section of this Product Technical Manual are for use with general purpose, mineral (petroleum) oil based hydraulic fluids, except where otherwise stated. Temperature limits for other hydraulic fluids, and some other common applications, are listed on page 58.

CAUTION:

Life expectancy of hoses is shortened at high temperatures. Detrimental effects increase when temperature is elevated, and also when; operating pressure, flow velocity, duration and frequency of exposure, and level of impurities in the media are high. Actual service life at temperatures approaching the recommended limits will depend on the particular application and the fluid being used.

Maximum Working Temperatures refer to the temperature of the media in the hose; not the environmental temperature around the outside of the hose. Please contact RYCO Technical Department for environmental temperatures in excess of 80°C (176°F), except **RQP1, RQP2, RQP5** and **RQP6** Series where environmental temperature is the same as media temperature.

Maximum Working Temperatures shown are for continuous temperatures. Slightly higher intermittent temperatures (up to 10% of time) may be acceptable with some hoses and some fluids, if reduced service life is acceptable. Please contact RYCO Technical Department for more information.

DO NOT expose Hose to Maximum Temperature and Maximum Working Pressure at the same time.

The fluid manufacturer's recommended maximum operating temperature for the fluid must not be exceeded. If different to the temperatures listed in the following table, the lower limit must take precedence. We recommend keeping the hose filled with the pressure medium at all times. Further information available on request.

SAFETY GUIDE – MAXIMUM TEMPERATURE LIMITS

| HOSE COVER | GROUP 1 | GROUP 2 | GROUP 3 | GROUP 4 | GROUP 5 |
|---------------------|---|--|------------|--|---------------------|
| ENERGY | E1, E2, EC1, EC2, DK1E, DK2E | | | | |
| DIEHARD | T3000D, T4000D, T5000D, T6000D, T1D, T2D, TXA2D, DF1D, DF2D, DK1D, DK2D, TJ2D, PL1D | H3000D, H4000D, H5000D, H6000D, C6000D, H12D, R4SPD, R4SHD, D4000D | | | |
| SLIDER | T3000S, T4000S, T5000S, T6000S, T1S, T2S, DK1S, DK2S | H3000S, H4000S, H5000S, H6000S, C6000S, H12S | | | |
| SURVIVOR | BT1 *** | D2B | RQP1, RQP2 | | |
| ICEBREAKER | M2G, M1, RTH1, MP1 | | | | T3600C, H5000C, T2C |
| OTHER SERIES | SRF, SRX, M2, T5, T1F, PL1PV, CS1000, MS1000 | | RQP5, RQP6 | TP7, TP7N, TP7T, TP7TN, TP8, TP8N, TP8T, TP8TN, TP3000, TPGL | |

| MEDIA | TEMPERATURE LIMITS | | | | |
|-------|--------------------|--|--|--|--|
|-------|--------------------|--|--|--|--|

| | | | | | |
|---|--|---|---|---|------------------------------------|
| GENERAL PURPOSE MINERAL PETROLEUM BASED HYDRAULIC OIL ¹ | -40°C to +100°C -40°F to +212°F | -40°C to +121°C -40°F to +250°F | -40°C to +150°C -40°F to +302°F RQP6: -40° to +135°C -40°F to +275°F | -40°C to +95°C -40°F to +203°F | -60°C to +100°C -76°F to +212°F |
| WATER | 0°C to +71°C +32°F to +160°F | 0°C to +71°C +32°F to +160°F | 0°C to +121°C +32°F to +250°F | 0°C to +70°C +32°F to +158°F | 0°C to +71°C +32°F to +160°F |
| WATER IN MINERAL OIL 40% to 80% water | -40°C to +85°C -40°F to +185°F | -40°C to +85°C -40°F to +185°F | -40°C to +121°C -40°F to +250°F | -40°C to +70°C -40°F to +158°F | -60°C to +80°C -60°F to +176°F |
| MINERAL OIL IN WATER more than 80% water | -40°C to +85°C -40°F to +185°F | -40°C to +85°C -40°F to +185°F | -40°C to +121°C -40°F to +250°F | -40°C to +70°C -40°F to +158°F | -60°C to +80°C -60°F to +176°F |
| WATER/GLYCOL | -40°C to +85°C -40°F to +185°F | -40°C to +85°C -40°F to +185°F | -40°C to +121°C -40°F to +250°F | -40°C to +70°C -40°F to +158°F | -60°C to +80°C -60°F to +176°F |
| GLYCOL | -40°C to +85°C -40°F to +185°F | -40°C to +85°C -40°F to +185°F | -40°C to +85°C -40°F to +185°F | -40°C to +70°C -40°F to +158°F | -60°C to +80°C -60°F to +176°F |
| PHOSPHATE ESTERS | Not suitable | Not suitable | Not suitable | 40°C to +70°C -40°F to +158°F See note 2 | Not suitable |
| AIR ³ | -40°C to +71°C (-40°F to +160°F) | -40°C to +71°C -40°F to +160°F see Note 3 | -40°C to +121°C -40°F to +250°F RQP6: -40°C to +100°C -40°F to +212°F See note 3 | -40°C to +71°C -40°F to +160°F see Note 3 | -60°C to +71°C -60°F to +160°F |
| PETROL GASOLINE | Contact RYCO | Contact RYCO | Contact RYCO | Contact RYCO | Contact RYCO |
| DIESEL FUEL | PL1D: -40°C to +49°C -40°F to +160°F T5: -40°C to +71°C -40°F to +160°F OTHERS: -40°C to +50°C -40°F to +122°F | -40°C to +50°C -40°F to +122°F | RQP1 and RQP2 -40°C to 100°C -40°F to +212°F RQP6: -40°C to +71°C -40°F to +160°F | | -60°C to +71°C -60°F to +160°F |
| ENGINE LUBRICATING OIL, GEARBOX OIL | -40°C to +100°C -40°F to +212°F | -40°C to +100°C -40°F to +212°F | -40°C to +100°C -40°F to +212°F | -40°C to +95°C -40°F to +203°F | -60°C to +80°C -60°F to +176°F |
| AUTOMATIC TRANSMISSION FLUID | -40°C to +100°C -40°F to +212°F | -40°C to +100°C -40°F to +212°F | -40°C to +100°C -40°F to +212°F | -40°C to +95°C -40°F to +203°F | -60°C to +80°C -60°F to +176°F |

- For highly refined and special purpose mineral based hydraulic oils (for example aviation hydraulic oils, MIL spec oils, etc), contact RYCO Technical Department.
- Not suitable for use with aerospace type phosphate esters such as Monsanto Skydrol 500B, Stauffer Aero-Safe 2300W and Chevron Hy-jet IV.
- For use with Air at pressures above 17,2 bar (250 psi), cover of hose must be perforated/pin-pricked (except RQP5 and T5), to allow air permeating through hose to escape without blistering the cover. Maximum working pressure of wire braid and spiral reinforced hose must be reduced by 30% (except for RQP1 and RQP2). Observe all State and Federal Safety Regulations.

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CHARACTERISTICS OF HOSE ELASTOMERS

The characteristics shown below are for the normal, or usual, range of these specific Elastomers. Characteristics can be changed somewhat, through different compounding, to meet the requirements of specialised applications. Each elastomer has a unique combination of strengths and weaknesses. Depending on each specific application, the elastomer must possess the correct combination of properties if it is to perform satisfactorily.

Tube and cover elastomers may occasionally be upgraded to take advantage of improved materials and technology.

For detailed information on specific hose tube or cover check the Chemical Compatibility Table on page 477, and also the specific hose specifications page.

| COMMON NAME Chemical Name | NEOPRENE Poly-Chloroprene | NITRILE Acrylonitrile & Butadiene | HYPALON™ Chlorosulfonated Polyethylene | EPDM Ethylene Propylene Diene | CPE Chlorinated Polyethylene | POLYESTER Polyamide Resin | TEFLON™ Fluorinated Thermoplastic |
|---|------------------------------|--------------------------------------|---|----------------------------------|---------------------------------|------------------------------|--------------------------------------|
| Common | CR | NBR | CSM | EPDM | CPE | PE-E | PTFE |
| Flame Resistance | Very Good | Poor | Good | Poor | Good | Poor | Good |
| Petroleum Base Oils | Good | Excellent | Very Good | Poor | Very Good | Very Good | Excellent |
| Diesel Fuel | Good to Excellent | Excellent | Good | Poor | Very Good | Very Good | Excellent |
| Resistance to Gas Permeation | Good | Good | Good to Excellent | Fair to Good | Good | Good | Good to Excellent |
| Weather | Good to Excellent | Fair to Good | Very Good | Excellent | Good | Excellent | Excellent |
| Ozone | Good to Excellent | Poor for Tube Good for Cover | Very Good | Excellent | Good | Good | Excellent |
| Heat | Good | Good | Very Good | Excellent | Excellent | Good | Excellent |
| Low Temperature | Fair to Good | Poor to Fair | Poor | Good to Excellent | Good | Good | Excellent |
| Water - Oil Emulsions | Excellent | Excellent | Good | Poor | Excellent | Very Good | Excellent |
| Water/Glycol Emulsions | Excellent | Excellent | Excellent | Excellent | Excellent | Very Good | Excellent |
| Phosphate Esters to 82°C (180°F) | Fair (For Cover) | Poor | Excellent (not for Aerospace types) | Very Good | Very Good | Good | Excellent |
| Phosphate Ester Base Emulsions | Fair (For Cover) | Poor | Excellent (not for Aerospace types) | Very Good | Very Good | Good | Excellent |

NOTE: HYPALON™ and TEFLON™ are Trademarks of DUPONT

CHEMICAL COMPATIBILITY FOR HOSE

The following Chemical Compatibility Chart is for guidance only.
 In all cases, testing is advised to determine the application suitability.
 Material for Couplings and Adaptors must also be compatible - refer to RYCO Technical Department.
 Specified resistance applies only at room temperature unless otherwise stated, and within the listed concentration.

| CHEMICAL NAME | TUBE MATERIAL | | | | | | |
|--|-------------------|---------|-------------|-----|----------|-----------|---------|
| | NEOPRENE | NITRILE | NITRILE PVC | CPE | HYPALON™ | POLYESTER | TEFLON™ |
| Acetic Acid (25%) | 2 | X | 2 | 1 | 2 | X | 1 |
| Acetone | X | X | X | 1 | X | X | 1 |
| Acetylene | NO HOSE AVAILABLE | | | | | | |
| Air (71°C, 166°F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Air (82°C, 180°F) | 2 | 2 | 2 | 1 | 2 | 2 | 1 |
| Air (93°C, 199°F) | X | X | X | 1 | 2 | X | 1 |
| Amyl Acetate | X | X | X | 2 | X | X | 1 |
| Aniline | X | X | X | 2 | X | - | 1 |
| Benzene (Benzol) | X | X | X | X | X | X | 1 |
| Butyl Acetate | X | X | X | 2 | X | X | 1 |
| Butyl Alcohol (Butanol) | 2 | X | X | 1 | 2 | 2 | 1 |
| Carbon Dioxide (Dry) | 2 | 1 | 1 | 1 | 1 | - | 1 |
| Carbon Dioxide (Wet) | 2 | 1 | 1 | 1 | 1 | - | 1 |
| Carbon Disulfide | X | X | X | 2 | X | - | 1 |
| Chlorine Gas (Dry & Wet) | NO HOSE AVAILABLE | | | | | | |
| Chlorine Water (25%) | X | X | X | - | 2 | X | 1 |
| Chloroform | X | X | X | - | X | X | 1 |
| Cyclohexane | X | 2 | X | 1 | X | 2 | 1 |
| Diesel fuel (under 50°C, 122°F) | X | 1 | X | 2 | X | 1 | 1 |
| Ethers (under 50°C, 122°F) | X | 2 | 2 | 1 | 2 | X | 1 |
| Ethyl Acetate | X | X | X | 2 | X | 2 | 1 |
| Ethyl Alcohol (Ethanol) | 1 | 1 | - | 1 | 1 | 2 | 1 |
| Ethyl Cellulose | - | - | - | 1 | - | - | 1 |
| Ethyl Chloride (Wet) | 2 | X | X | - | X | - | 1 |
| Ethylene Glycol (under 66°C, 151°F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Fluorine (Liquid) | NO HOSE AVAILABLE | | | | | | |
| Formaldehyde 37% | 2 | 2 | - | 1 | 2 | 2 | 1 |
| Fuel A (ASTM) | X | 2 | 2 | 1 | 1 | - | - |
| Fuel B (ASTM) | X | 2 | X | 2 | X | - | - |
| Fuel Oil | X | 1 | X | 1 | X | 2 | 1 |
| Glycerine (Glycerol) | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Grease (Petroleum Base) | 2 | 1 | 2 | - | 2 | 1 | 1 |
| Hexane (under 50°C, 122°F) | X | 1 | 2 | 2 | 1 | 2 | 1 |
| Hydraulic Fluid (Phosphate Ester Base) | X | X | X | 1 | 1 | 2 | 1 |
| Hydraulic Fluid (100°C, 212°F) (Std. Petroleum Oils) | 2 | 1 | 2 | 1 | 1 | 1 | 1 |
| Hydrochloric Acid (15%) | X | X | X | 1 | 2 | X | 1 |
| Hydrochloric Acid (37%) | X | - | X | 1 | 2 | X | 1 |
| Hydrogen (Gas) | 1 | 1 | - | 1 | - | 2 | 1 |
| Hydrogen Peroxide (30%) | X | 2 | X | 1 | 2 | X | 1 |

| CHEMICAL NAME | TUBE MATERIAL | | | | | | |
|---|----------------------|---------|-------------|-----|----------|-----------|---------|
| | NEOPRENE | NITRILE | NITRILE PVC | CPE | HYPALON™ | POLYESTER | TEFLON™ |
| Isopropyl Alcohol | 2 | 2 | 2 | 1 | 2 | - | 1 |
| Kerosene | X | 2 | X | 1 | X | 2 | 1 |
| L.P.G. | USE L.P.G. HOSE ONLY | | | | | | |
| Lubricating Oils (under 50°C, 122°F) | 2 | 1 | 2 | 1 | 2 | 1 | 1 |
| Methyl Alcohol (Methanol) 100% | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
| Methyl Chloride | X | X | X | X | X | 2 | 1 |
| Methyl Ethyl Ketone (MEK) | X | X | X | 2 | X | 2 | 1 |
| Naphtha (Low Aromatics) | X | 2 | X | 1 | X | X | 1 |
| Natural Gas | USE L.P.G. HOSE ONLY | | | | | | |
| Nitric Acid (10%) | X | X | X | 1 | 2 | X | 1 |
| Nitric Acid (40%) | X | X | X | X | X | X | 1 |
| Oxalic Acid (10% cold) | X | X | X | 1 | 2 | X | 1 |
| Ozone (Dry) | 2 | X | 2 | 1 | 2 | 2 | 1 |
| Paint Solvents (Oil Base) | X | X | - | - | X | 2 | 1 |
| Perchloroethylene | X | X | X | 2 | X | X | 1 |
| Phenol (Carbolic Acid) | X | X | X | 1 | X | X | 1 |
| Phosphoric Acid (50%) | 2 | 2 | X | 1 | 1 | X | 1 |
| Propane Gas | USE L.P.G. HOSE ONLY | | | | | | |
| Sodium Hydroxide (40%) | 1 | 2 | - | 1 | 1 | X | 1 |
| Sodium Hydroxide (50%, under 45°C, 113°F) | 2 | X | X | 1 | 1 | X | 1 |
| Sodium Hydroxide (50%, under 82°C, 180°F) | - | - | - | 1 | 2 | X | 1 |
| Sulphur Dioxide (Dry) | X | X | X | - | 2 | X | 1 |
| Sulphuric Acid (10%) | 1 | 2 | 2 | 1 | 1 | X | 1 |
| Sulphuric Acid (93%) | X | X | X | - | X | X | 1 |
| Toluene (Toluol) | X | X | X | X | X | 2 | 1 |
| Trichloroethylene | X | X | X | 2 | X | 2 | 1 |
| Vegetable Oils | 2 | 1 | 2 | 1 | 2 | 1 | 1 |
| Xylene | X | X | - | X | - | 2 | 1 |

KEY
 1 = Excellent Resistance
 2 = Good Resistance
 X = Not Recommended
 - = No Data Available

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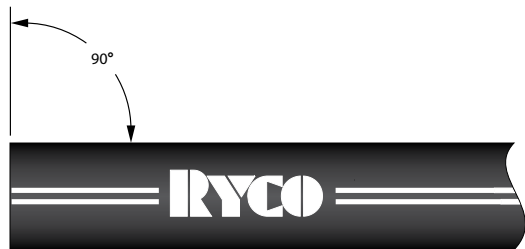
TECHNICAL

ASSEMBLY INSTRUCTIONS FOR:

RYCO FIELD ATTACHABLE COUPLINGS WITH MATCHED SIZES OF RYCO NON-SKIVE HOSE.

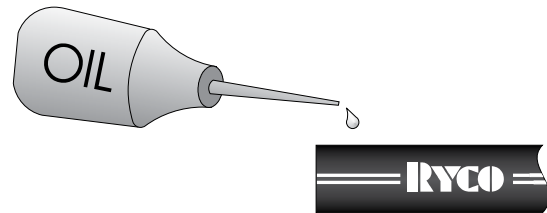
USE ONLY RYCO BT1, E2, M2, M2G, RQP1, RQP2, RQP5, T1D, T1F, T2D, TXA2D, T5 and TPGL SERIES HOSE.

STEP ONE



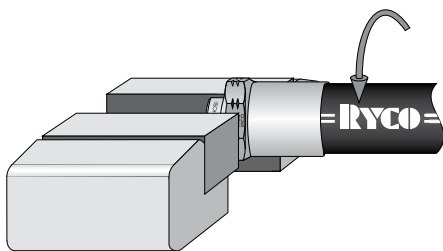
- Cut hose to length required using a cut-off saw.
- Ensure hose is cut squarely.
- Clean hose bore.

STEP TWO



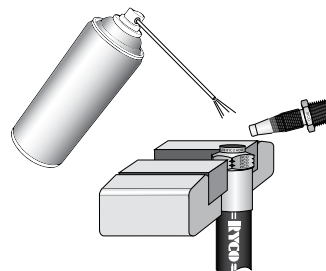
- Lightly lubricate outer cover.

STEP THREE



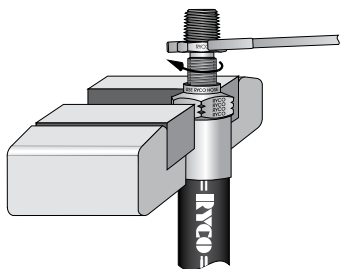
- Screw anti-clockwise until hose bottoms in ferrule.
- Ease back between 1/2 and 3/4 of a turn (Note: This is not required for P00-02 ferrule with TPGL hose).

STEP FOUR



- Lightly lubricate insert and inside of hose.
- **Note: Do not use lubricant for M2G hose, or hose to be used with volatile gases.**

STEP FIVE



- Screw insert clockwise right into ferrule using a continuous motion.
- Do not allow hose to turn during operation.

SPECIAL NOTES

- **FOR T1D HOSE IN SIZES -20, -24, -32.** In these sizes, K Series Ferrules are not available and A Series Field Attachable Couplings may be used. The cover of hose must be skived at ends. Refer to page 479 for assembly instructions.
- **FOR T2D AND RQP2 HOSE IN SIZES -24, -32.** In these sizes, L Series Ferrules are not available and B Series Field Attachable Couplings may be used. The cover of hose must be skived at ends. Refer to page 479 for assembly instructions.
- **FIELD ATTACHABLE COUPLINGS** should not be used at maximum working pressure of hose when temperature exceeds 121°C (250°F). Field Attachable Couplings may be used on suitable hose at over 121°C (250°F) but at reduced working pressure. Contact RYCO Technical Department for more information.

ASSEMBLY INSTRUCTIONS FOR:

RYCO FIELD ATTACHABLE COUPLINGS WITH MATCHED SIZES OF RYCO SKIVE HOSE.
 USE ON LARGER SIZES OF RYCO T1D, T2D and RQP2 HOSE, SEE NOTE 1 & 2 on page 478).

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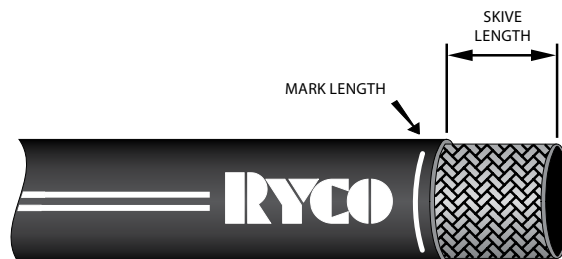
TECHNICAL

STEP ONE



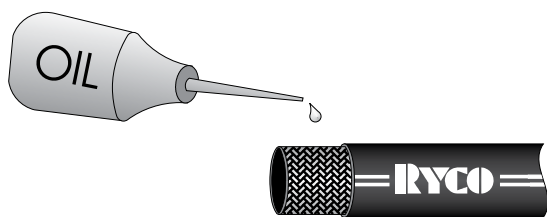
- Cut hose to length required using a cut-off saw.
- Ensure hose is cut squarely.
- Clean hose bore.

STEP TWO



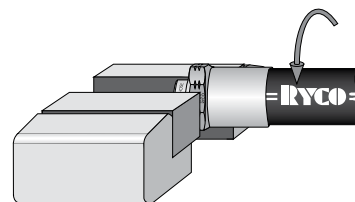
- Mark Skive Length (refer to Hose specification pages).
- Cut rubber cover around and down to wire reinforcement then slit lengthwise.
- Raise flap and pull off with pliers.

STEP THREE



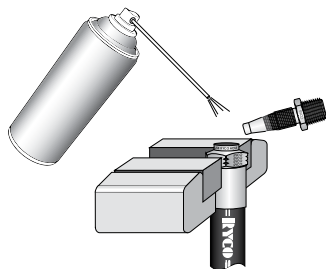
- Lightly lubricate exposed wire reinforcement.

STEP FOUR



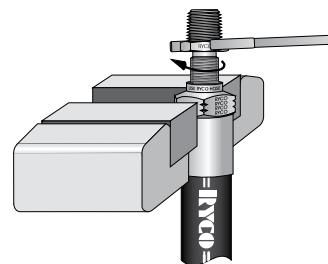
- Screw anti-clockwise until hose bottoms in ferrule.
- Ease back between 1/2 and 3/4 of a turn.

STEP FIVE



- Lightly lubricate insert and inside of hose.
- **Note: Do not use lubricant for hose to be used with volatile gases.**

STEP SIX



- Screw insert clockwise right into ferrule using a continuous motion.
- Do not allow hose to turn during operation.

ASSEMBLY INSTRUCTIONS FOR:

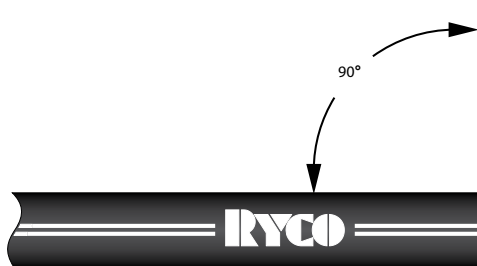
1. RYCO T2000, T6000 and T7000 SERIES COUPLINGS WITH RYCO NON-SKIVE HOSE.

USE ONLY MATCHED SIZES OF RYCO T3000D, T3000S, T4000D, T4000S, T5000D, T5000S, T6000D, T6000S, H3000D, H3000S, H4000D, H4000S, H5000D, H5000S, H6000D, H6000S, T2C, T1D, T2D, TJ2D, D4000D, TXA2D, T1F, T1S, T2S, BT1, DF2D, D2B, RQP1, RQP2, H12D, H12S, MS1000, CS1000 (SKIVE), R4SH, TP7, TP7N, TP7T, TP7TN, TP8, TP8N, TP8T and TP8TN SERIES HOSE.

2. RYCO T4000 and TG000 SERIES COUPLINGS WITH RYCO NON-SKIVE HOSE.

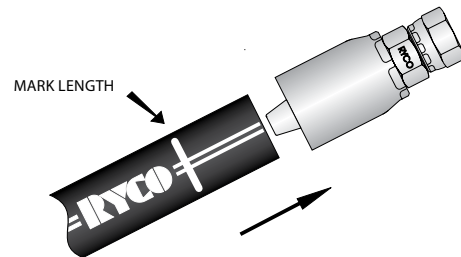
USE ONLY MATCHED SIZES OF RYCO M2, M2G, MP1, PL1D, RQP5, RQP6, TP7, TP7N, TP7T, TP7TN, TP3000, SRX, SRF, T5 and TPGL SERIES HOSE. (See page 485 for instructions for separating of ends of TP7T, TP7TN, TP8T and TP8TN Series.)

STEP ONE



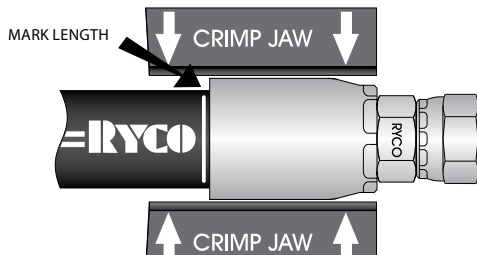
- Cut hose to required length using a cut-off saw.
- Ensure hose is cut squarely.
- Clean hose bore.

STEP TWO



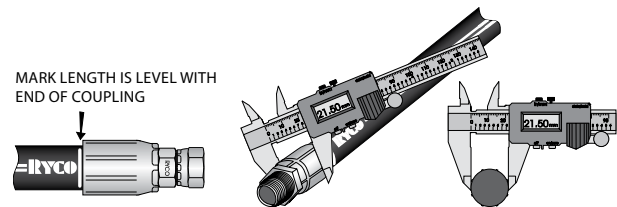
- Mark the Mark Length onto the hose (Mark Length dimension from "RYCO Crimp Chart").
- Push hose into the fitting (lightly lubricate the hose bore only if necessary as excess lubrication may reduce hose assembly impulse life) until the mark on the hose is even with the end of the ferrule*.
- **Note: Push the hose all the way into the fitting.**

STEP THREE



- Place assembled end into the jaws of crimp machine.
- Operate machine to crimp ferrule to predetermined diameter. (Refer to "RYCO Crimp Chart").

STEP FOUR



- Open the crimp machine and remove the assembly.
- Check the crimp diameter with a caliper or micrometer. Crimp diameter should be measured halfway along ferrule. Measure between the ridges, and make sure that the caliper fingers do not touch the ridges.
- Check that the Mark Length mark is still visible and even with the end of the ferrule to ensure coupling has not moved during crimping.

NOTES

- **Extra special care must be exercised in the preparation, assembly and crimping of these fittings due to the very high pressures and end loads encountered.**
- **RYCO Crimp Chart detailing Mark or Skive Length and Crimp Diameter is available from RYCO Hydraulics.**
- **Note: Do not use lubricant for M2G hose, or hose to be used with volatile gases.**

* For TP7, TP7N, TP7T, TP7TN, TP8, TP8N, TP8T, TP8TN, TP3000 and TPGL Hose Series it is preferable to lightly lubricate using a PTFE or Silicon-based aerosol spray lubricant. Use lubricant only if necessary; use sparingly if required.

HOW TO ORDER NON-SKIVE HOSE COUPLINGS

- The RYCO Non-Skive Coupling is a one-piece fitting. Non-Skive Couplings do not require the hose to be skived externally or internally.
- As the Non-Skive Coupling is a complete coupling, simply order by Part Number.

ASSEMBLY INSTRUCTIONS FOR:

RYCO T7000 SERIES COUPLINGS WITH RYCO SKIVE HOSE.
USE ONLY MATCHED SIZES OF RYCO R4SP SERIES HOSE.

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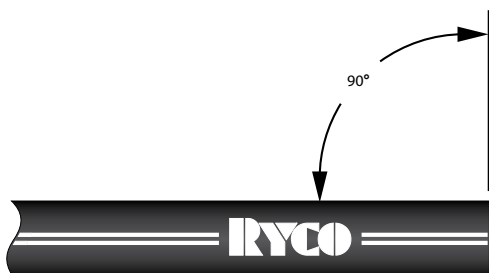
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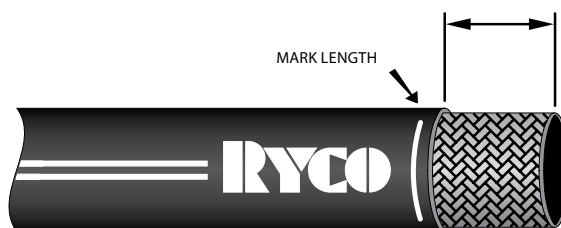
TECHNICAL

STEP ONE



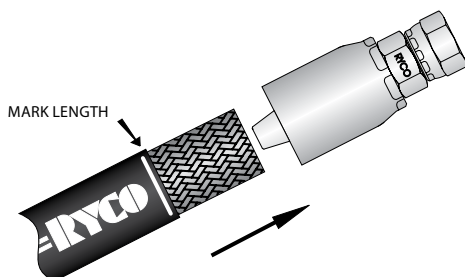
- Cut hose to length required using a cut-off saw.
- Ensure hose is cut squarely.
- Clean hose bore.

STEP TWO



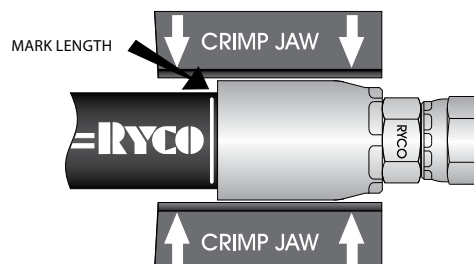
- Mark the Skive Length onto the hose. (Refer to "RYCO Crimp Chart").
- Cut rubber cover around and down to wire reinforcement then slit lengthwise.
- Raise flap and pull off with pliers.
- Measure coupling insertion depth and add a Mark Length Line on the outer cover as shown.

STEP THREE



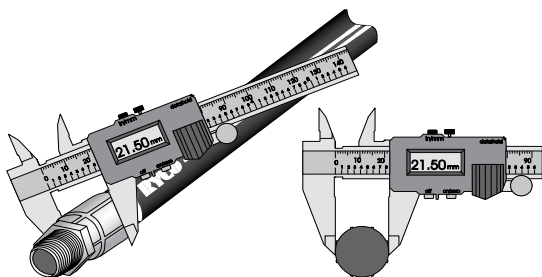
- Push hose into the fitting (lightly lubricate the hose bore only if necessary as excess lubrication may reduce hose assembly impulse life) until the mark on the hose is even with the end of the ferrule.
- **Note: Push the hose all the way into the fitting.**
- **Note: Do not use lubricant for hose to be used with volatile gases.**

STEP FOUR



- Place assembled end into jaws of crimp machine.
- Operate machine to crimp ferrule to predetermined diameter. (Refer to "RYCO Crimp Chart").

STEP FIVE



- Open crimp machine and remove assembly.
- Check crimp diameter with caliper or micrometer. Crimp diameter should be measured halfway along the ferrule. Measure between the ridges, and make sure that the caliper fingers do not touch the ridges.
- Check that the ferrule still completely covers the skived part of the hose to ensure coupling has not moved during crimping.

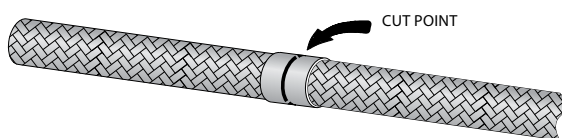
NOTE

- Extra special care must be exercised in the preparation, assembly and crimping of these fittings due to the very high pressures and end loads encountered.
- The latest RYCO Crimp Chart detailing Mark or Skive Length and Crimp Diameter is available from the RYCO website.

ASSEMBLY INSTRUCTIONS FOR:

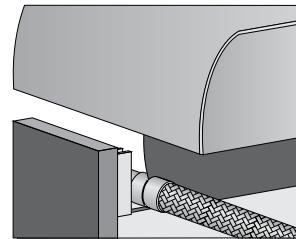
TT000 SERIES ONE-PIECE COUPLINGS. USE ONLY MATCHED SERIES OF RYCO RTH1 SERIES HOSE.

STEP ONE



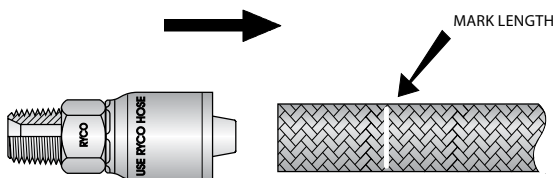
- Tape with masking tape at the cut position to prevent wire braid flaring.

STEP TWO



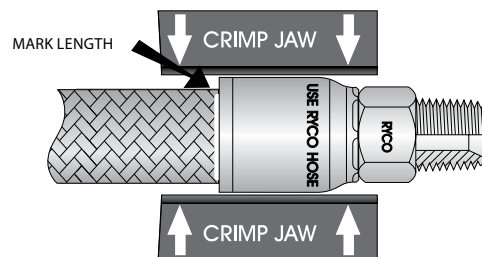
- Cut hose to length. Ensure hose is cut squarely.
- Clean hose bore.
- **WARNING: Do not smoke in the vicinity when cutting RTH1 hoses because fumes created are toxic and may mix with cigarette smoke when inhaled.**

STEP THREE



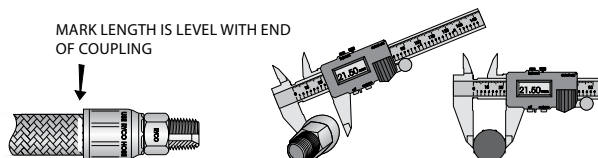
- Refer to "RYCO Crimp Chart" for Mark Length of Coupling.
- Mark outer cover with Mark Length.
- Push hose into the fitting (lightly lubricate the hose bore only if necessary as excess lubrication may reduce hose assembly impulse life) until the mark on the hose is even with the end of the ferrule*.
- **Note: Push the hose all the way into the fitting.**

STEP FOUR



- Place assembled end into the jaws of crimp machine.
- Operate machine to crimp ferrule to predetermined diameter. (Refer to "RYCO Crimp Chart").
- Open the crimp machine.
- Check that the Mark Length mark is still visible and even with the end of the ferrule to ensure coupling has not moved during crimping.

STEP FIVE



- Check that full length of ferrule has been crimped.
- Check the crimp diameter with a caliper or micrometer. Crimp diameter should be measured halfway along ferrule. Measure between the ridges, and make sure that the caliper fingers do not touch ridges.

NOTE

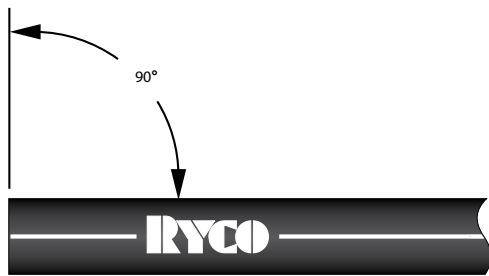
- **Extra special care must be exercised in the preparation, assembly and crimping of these fittings due to the very high pressures and end loads encountered.**
- **The latest RYCO Crimp Chart detailing Mark or Skive Length and Crimp Diameter is available from the RYCO website.**
- **Note: Do not use lubricant for hose to be used with volatile gases.**

ASSEMBLY INSTRUCTIONS FOR:

33000 SERIES SUCTION HOSE COUPLINGS. Use only MATCHED SERIES OF RYCO SRX and SRF SERIES Hose.

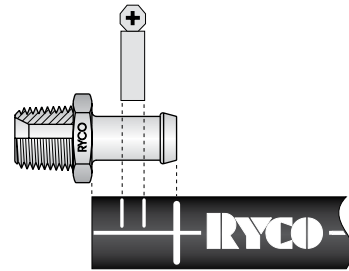
INTRODUCTION

STEP ONE



- Cut hose to required length using a cut-off saw.
- Ensure helix wires are not protruding.
- Ensure hose is cut squarely.

STEP TWO

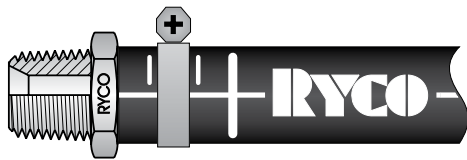


- Mark the cover of the hose to ensure that Clamp will be correctly located.

HOSE

COUPLINGS

STEP THREE



- Slide Clamp over hose.
- Push the coupling into the hose bore until hex or collar abuts end of hose.
- Position Clamp, and tighten bolt to recommended torque.

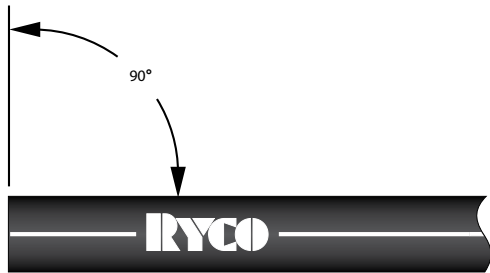
ADAPTORS

TECHNICAL

ASSEMBLY INSTRUCTIONS FOR:

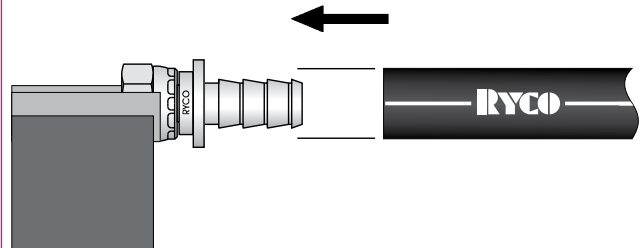
8000 SERIES PUSH-ON COUPLINGS. USE ONLY RYCO PL1D, PL1V and RQP6 SERIES HOSE.

STEP ONE



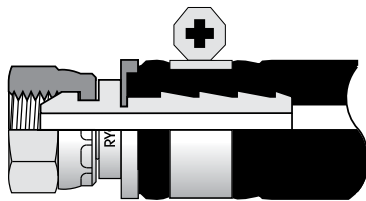
- Cut hose to required length with a sharp knife.
- Lightly lubricate inside of hose and outside of the hose barb.

STEP TWO



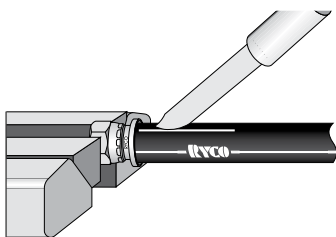
- Push hose onto fitting until hose end bottoms underneath cap as shown.

STEP THREE



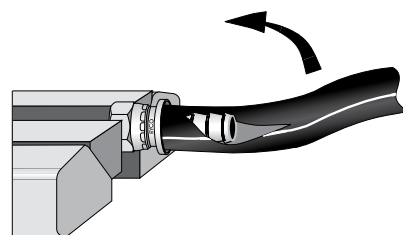
- If hose assembly is to be used at above 50% of Maximum Working Pressure, or in a potentially dangerous or critical application, a clamp must be used.
- Do not overtighten clamp as this may damage hose.

REMOVING COUPLINGS, STEP ONE



- Remove clamp if fitted.
- Slit hose length-wise, from cap to end of hose tail.

REMOVING COUPLINGS, STEP TWO



- Sharply bend hose and remove.

ASSEMBLY INSTRUCTIONS – TP7T, TP7TN, TP8T AND TP8TN TWIN HOSE

ASSEMBLY INSTRUCTIONS FOR:

SEPARATION OF THE ENDS OF TP7T, TP7TN, TP8T and TP8TN TWIN HOSE.

Note: RYCO TP7T, TP7TN, TP8T and TP8TN Hose must be separated at the ends to permit the attachment of the couplings. Procedure is as follows.

The latest RYCO Crimp Chart detailing Crimp Diameter and Mark Length is available from the RYCO website.

INTRODUCTION

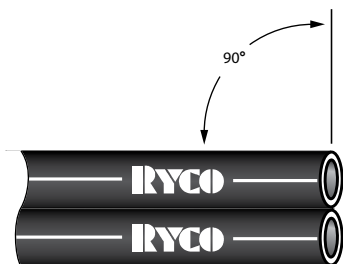
HOSE

COUPLINGS

ADAPTORS

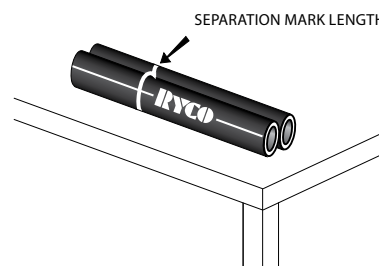
TECHNICAL

STEP ONE



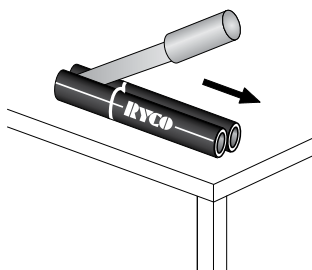
- Cut hose to length required using a sharp knife.
- Ensure hose is cut squarely.
- Clean hose bore.

STEP TWO



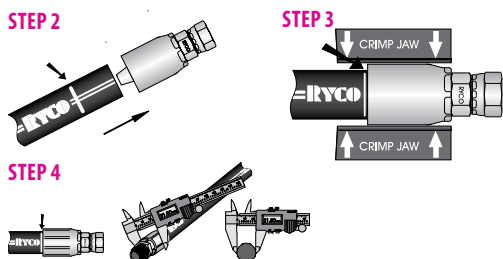
- Arrange the end of the twin line hose so that it is lying straight and flat, resting on the bottom of both hoses, on a horizontal work surface.
- Mark the length to be separated on the cover of the hoses.
- The separation length required may vary depending on the crimper being used.
- Separation length must allow each hose end to be inserted into the crimper without kinking the other hose.

STEP THREE



- Hold the hoses flat on the work bench, and lightly score along the joint between the two hoses with a blunt knife.
- Keep the knife vertical to avoid cover damage. It may be necessary to score along the joint several times.
- Take care not to damage the covers of the hoses.
- Turn the hose over and repeat the above to score the other side of the joint.
- The hoses will now be able to be separated by pulling apart.
- Inspect the covers to ensure there is no damage, if the cover is cut or the reinforcement is exposed, the hoses must not be used.

STEP FOUR, FIVE, SIX



- Follow Step Two, Three and Four of page 491 (Non-Skive Hose Assembly) for each end of the hose.

STEP SEVEN



- After crimping the couplings, the hoses can be tied together at the separation area with tape or a cable tie to prevent the hoses becoming further separated accidentally.

TECHNICAL

TUBE FLARING DIMENSIONS – 37° JIC AND 45° SAE

RYCO S6, S6M, S6S AND SA6 TUBE NUTS AND SLEEVES ARE FOR USE WITH FLARED STEEL HYDRAULIC TUBING.

Dimensions for flares shown below are as specified in SAE J533 "Flares for Tubing".

Tubing must be flared to the correct dimensions. Flares must be free from loose scale, burrs, slivers, and cracks. Seating surfaces must be smooth and free from nicks, pit marks, and any other defects that prevent sealing. The flare seat must be concentric with the tube outside diameter within 0,38 mm (.015") Full Indicator Reading (FIR). Smoothly breaking (radiusing) the outside corner of the tube prior to single flaring, to minimise splitting, is permissible.

For S6, S6S and SA6 for Imperial Outside Diameter Tubing, use only seamless annealed hydraulic tubing to ASTM A179 of wall thickness no greater than that specified in the tables.

For S6M for Metric Outside Diameter Tubing, use only seamless annealed hydraulic tubing of wall thickness no greater than that specified in the tables.

Tubing may be double flared for thin wall thicknesses, or single flared for thicker walled tubing. Dimensions below are for single flared tubing.

Recommended maximum wall thickness of tubing specified in tables is the thickest tubing normally considered suitable for flaring. Optional configurations to provide extended length of seal contact surface for tube wall thickness exceeding the limits in the tables, are also specified in SAE J533.

S6 AND S6S SERIES FOR IMPERIAL OD TUBING WITH JIC 37° FLARE

| RYCO S6 | RYCO S6S | NOMINAL TUBE OD | | MAXIMUM WALL THICKNESS D | | MAXIMUM FLARE DIAMETER A | | MINIMUM FLARE DIAMETER A | | FLARE RADIUS ± 0,25 mm (± 0.01") R | |
|------------|-------------|--------------------|------|--------------------------------|------|--------------------------------|------|--------------------------------|------|--|------|
| | | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch |
| PART NO | PART NO | | | | | | | | | | |
| S6-0502 | | 3,18 | 0.13 | 0,89 | 0.04 | 5,1 | 0.20 | 4,6 | 0.18 | 0,80 | 0.03 |
| S6-0603 | | 4,76 | 0.19 | 0,89 | 0.04 | 7,1 | 0.28 | 6,6 | 0.26 | 0,80 | 0.03 |
| S6-0704 | | 6,35 | 0.25 | 1,65 | 0.06 | 9,1 | 0.36 | 8,6 | 0.34 | 0,80 | 0.03 |
| S6-0805 | | 7,94 | 0.31 | 1,65 | 0.06 | 10,9 | 0.43 | 10,2 | 0.40 | 0,80 | 0.03 |
| S6-0906 | S6S-0906 | 9,52 | 0.37 | 1,65 | 0.06 | 12,4 | 0.49 | 11,7 | 0.46 | 1,00 | 0.04 |
| S6-1208 | S6S-1208 | 12,70 | 0.50 | 2,11 | 0.08 | 16,8 | 0.66 | 16,0 | 0.63 | 1,50 | 0.06 |
| S6-1410 | S6S-1410 | 15,88 | 0.63 | 2,41 | 0.09 | 20,1 | 0.79 | 19,3 | 0.76 | 1,50 | 0.06 |
| S6-1712 | | 19,05 | 0.75 | 2,77 | 0.11 | 24,1 | 0.95 | 23,4 | 0.92 | 2,00 | 0.08 |
| S6-1914 | | 22,22 | 0.87 | 2,77 | 0.11 | 27,2 | 1.07 | 26,4 | 1.04 | 2,00 | 0.08 |
| S6-2116 | | 25,40 | 1.00 | 3,05 | 0.12 | 30,5 | 1.20 | 29,7 | 1.17 | 2,30 | 0.09 |
| S6-2620 | | 31,75 | 1.25 | 3,05 | 0.12 | 38,4 | 1.51 | 37,6 | 1.48 | 2,30 | 0.09 |
| S6-3024 | | 38,1 | 1.50 | 3,05 | 0.12 | 43,9 | 1.73 | 43,2 | 1.70 | 2,80 | 0.11 |
| S6-4032 | | 50,8 | 2.00 | 3,40 | 0.13 | 59,9 | 2.36 | 59,2 | 2.33 | 2,80 | 0.11 |

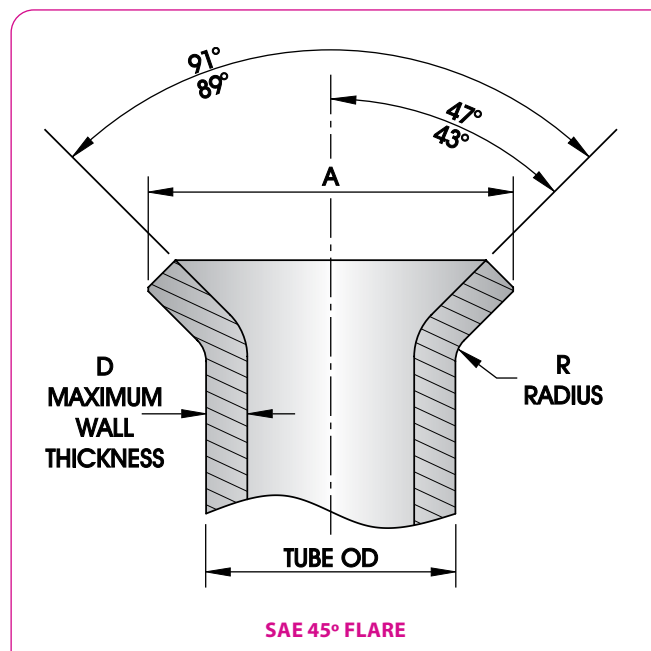
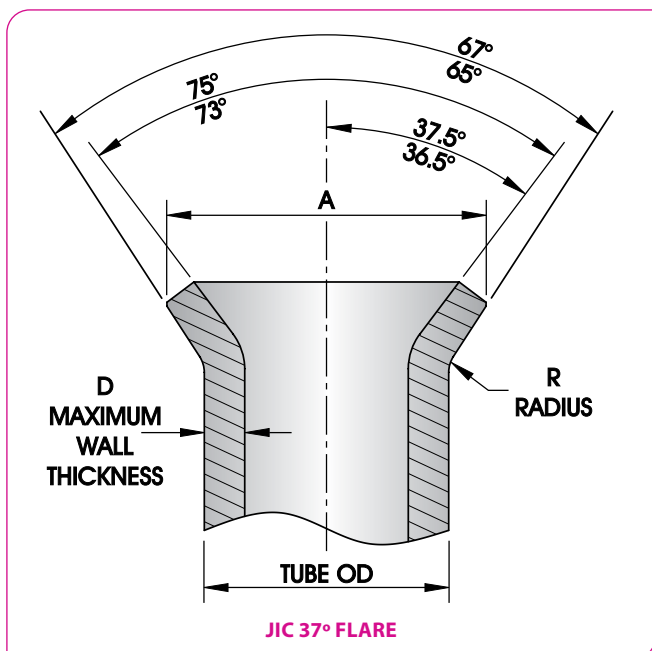
TUBE FLARING DIMENSIONS – 37° JIC AND 45° SAE

S6M SERIES FOR METRIC OD TUBING WITH JIC 37° FLARE

| RYCO S6M | NOMINAL TUBE OD | | MAXIMUM WALL THICKNESS D | | MAXIMUM FLARE DIAMETER A | | MINIMUM FLARE DIAMETER A | | FLARE RADIUS ± 0,25 mm (± 0.01") R | |
|-------------|--------------------|------|--------------------------------|------|--------------------------------|------|--------------------------------|------|--|------|
| | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch |
| S6M-0503 | 3,00 | 0.12 | 0,89 | 0.04 | 5,1 | 0.20 | 4,6 | 0.18 | 0,80 | 0.03 |
| S6M-0605 | 5,00 | 0.20 | 0,89 | 0.04 | 7,1 | 0.28 | 6,6 | 0.26 | 0,80 | 0.03 |
| S6M-0706 | 6,00 | 0.24 | 1,65 | 0.06 | 9,1 | 0.36 | 8,6 | 0.34 | 0,80 | 0.03 |
| S6M-0808 | 8,00 | 0.31 | 1,65 | 0.06 | 10,9 | 0.43 | 10,2 | 0.40 | 0,80 | 0.03 |
| S6M-0910 | 10,00 | 0.39 | 1,65 | 0.06 | 12,4 | 0.49 | 11,7 | 0.46 | 1,00 | 0.04 |
| S6M-1212 | 12,00 | 0.47 | 2,11 | 0.08 | 16,8 | 0.66 | 16,0 | 0.63 | 1,50 | 0.06 |
| S6M-1416 | 16,00 | 0.63 | 2,41 | 0.09 | 20,1 | 0.79 | 19,3 | 0.76 | 1,50 | 0.06 |
| S6M-1719 | 19,00 | 0.75 | 2,77 | 0.11 | 24,1 | 0.95 | 23,4 | 0.92 | 2,00 | 0.08 |
| S6M-1920 | 20,00 | 0.79 | 2,77 | 0.11 | 27,2 | 1.07 | 26,4 | 1.04 | 2,00 | 0.08 |
| S6M-2125 | 25,00 | 0.98 | 3,05 | 0.12 | 30,5 | 1.20 | 29,7 | 1.17 | 2,30 | 0.09 |
| S6M-2632 | 32,00 | 1.26 | 3,05 | 0.12 | 38,4 | 1.51 | 37,6 | 1.48 | 2,30 | 0.09 |
| S6M-3038 | 38,00 | 1.50 | 3,05 | 0.12 | 43,9 | 1.73 | 43,2 | 1.70 | 2,80 | 0.11 |
| S6M-4051 | 51,00 | 2.01 | 3,40 | 0.13 | 59,9 | 2.36 | 59,2 | 2.33 | 2,80 | 0.11 |

SA6 SERIES FOR IMPERIAL OD TUBING WITH SAE 45° FLARE

| RYCO SA6 | NOMINAL TUBE OD | | MAXIMUM WALL THICKNESS D | | MAXIMUM FLARE DIAMETER A | | MINIMUM FLARE DIAMETER A | | FLARE RADIUS ± 0,25 mm (± 0.01") R | |
|-------------|--------------------|------|--------------------------------|------|--------------------------------|------|--------------------------------|------|--|------|
| | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch |
| SA6-1006 | 9,52 | 0.38 | 1,65 | 0.06 | 12,4 | 0.49 | 12,0 | 0.47 | 0,50 | 0.02 |
| SA6-1712 | 19,05 | 0.75 | 2,77 | 0.11 | 23,3 | 0.92 | 22,9 | 0.90 | 0,50 | 0.02 |



INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL

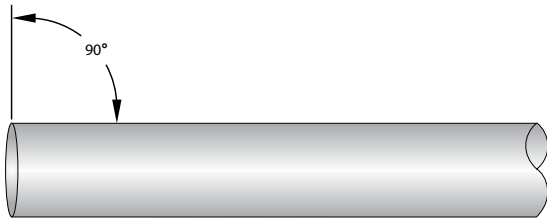
ASSEMBLY INSTRUCTIONS FOR:

TUBE BITE HOSE COUPLINGS (END STYLE 850).

RYCO Hose Couplings Series with Tube Bite End Style 850 (T2850, T4850 and 6850 Series) provide a quick and convenient method of connecting Imperial Outside Diameter seamless steel hydraulic tubing, without the need to flare the tubing.

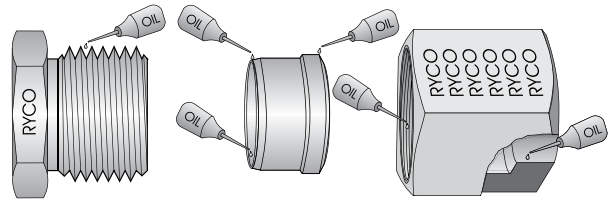
They allow quick and economical repairs to assemblies made of combined hose and Imperial-sized tubing. Often in these assemblies, the tubing is bent to a special shape or includes special mounting brackets, and is difficult or expensive to replace.

STEP ONE



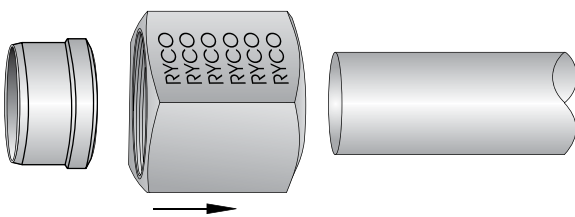
- Ensure that the wall thickness of the tubing is of the approved gauge. See S134 J-Lok & Tubing Selection Table page 491.
- Cut the tube to required length. Ensure that the tube is cut squarely. A tube cutter is preferred, however a hacksaw or abrasive drop saw may be used providing the cut is square and clean.
- Deburr inner and outer edges of tube.

STEP TWO



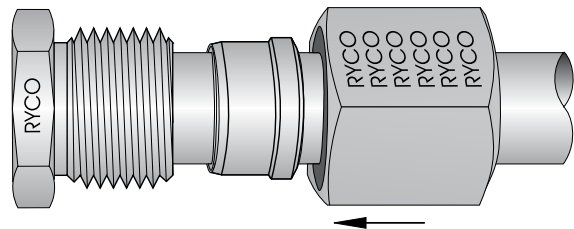
- Remove dirt, grit and cutting debris from the inside and outside of the tube.
- Remove the Nut and Compression Olive from the T2850, T4850 or 6850 coupling.
- Lubricate the threads of the Nut and the Male Thread of the T2850, T4850 or 6850 coupling with assembly oil or hydraulic oil.
- Lubricate internal and external surfaces of the Compression Olive with assembly oil or hydraulic oil.

STEP THREE



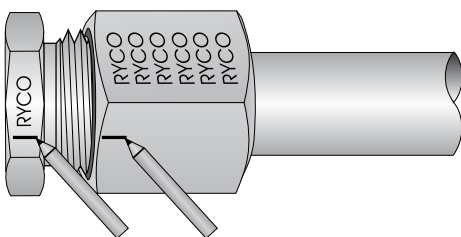
- Slide the Nut onto the tube, so that the threads of the Nut face towards the end of the tube to be assembled to the coupling, then slide the Compression Olive onto the tube.
- The end with the raised collar must be adjacent to the Nut, and the end with the long parallel section must face towards the end of the tube to be assembled to the coupling.

STEP FOUR



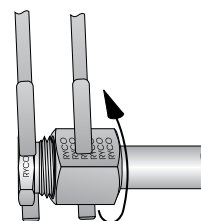
- Insert the tube end into the Male Threaded end of the T2850, T4850 or 6850 coupling, until it bottoms against the shoulder inside the Male Threaded end.
- Slide the Nut and Compression Olive along the tube until the Compression Olive seats inside the coupling body, and thread the Nut onto the Male Threaded end of the coupling.
- Tighten Nut until the Compression Olive just grips the tube. The initial gripping of the tube is complete when the tube can no longer be rotated by hand.

STEP FIVE



- Place a mark on the Nut, and an adjacent mark on the Hex of the T2850, T4850 or 6850 coupling insert.

STEP SIX



- Holding the hex of the T2850, T4850 or 6850 coupling insert stationary with one spanner, with another spanner tighten the Nut down by one full turn, to compress the Olive onto the tube¹.
- Use the marks from Step 5 as a reference. Ensure that the tube end is firmly butted against the shoulder inside the coupling, and that the tube does not rotate².

ASSEMBLY INSTRUCTIONS – TUBE BITE HOSE COUPLINGS (END STYLE 850)

ASSEMBLY INSTRUCTIONS FOR:

TUBE BITE HOSE COUPLINGS (END STYLE 850) CONT.

If safe to do so, the bent tube part can be cut from the old assembly and reused. (NOTE: for combined hose and tubing assemblies with Metric Tubing, Male DKL or DKS Hose Coupling can be used with M6L or M6S Metric Nut and Cutting Ring).

INTRODUCTION

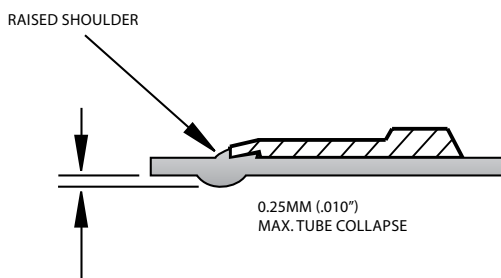
HOSE

COUPLINGS

ADAPTORS

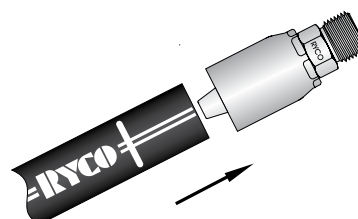
TECHNICAL

STEP SEVEN



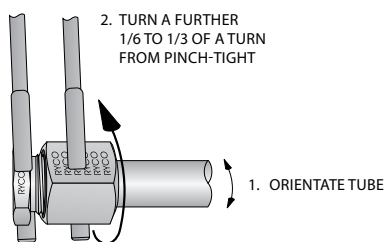
- Disassemble the Nut from the Coupling.
- Inspect the front edge of the Compression Olive. For correct assembly, the cutting edge of the Compression Olive must have formed a shoulder on the tube at least 50% as high as the cutting edge, all the way around the tube.

STEP EIGHT



- Attach the T2850, T4850 or 6850 coupling onto the hose, without the tube, Nut and Compression Olive connected to it.
- Refer to the appropriate Assembly Instructions for the Hose Series and Coupling Series being assembled.
- Do not assemble the coupling onto the hose until Steps One to Seven are completed.

STEP NINE



- Re-assemble the tube, Nut and Compression Olive onto the T2850, T4850 or 6850 end of the hose assembly.
- Nut will turn easily until an increase in force is required. At this point, orient the bent tube assembly pointing to the correct direction if required.
- Holding the Hex of the T285, T485 or 685 coupling insert with one spanner, with another spanner tighten the Nut down a further 1/6 of a turn as a minimum, but no more than 1/3 of a turn, to complete tightening operation.

NOTES

- 1 This is a general rule, and may vary slightly with different tubing materials.
- 2 In some instances (especially when using soft or thin-walled tube), to prevent excessive tube collapse, it may be necessary to support the inside of the tube with a mandrel prior to setting the Compression Olive.
- 3 Note that the maximum allowable radial collapse of the inner tube diameter is 0,25 mm (.010").

ASSEMBLY INSTRUCTIONS FOR:

S134 Series J-Lok Flareless Tube Fittings.

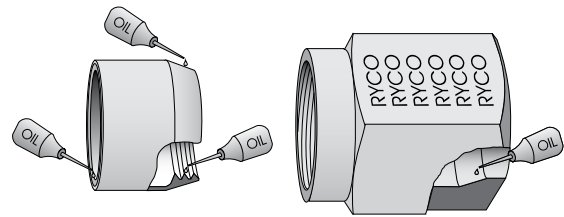
RYCO S134 J-Lok Flareless Tube Fittings provide a quick and convenient method of connecting Imperial Outside Diameter seamless steel hydraulic tubing to RYCO JIC male threads with 37° seat, without the need to flare the tubing. The wall thickness of the tubing must be of the approved gauge (see page 491 for Selection Table).

STEP ONE



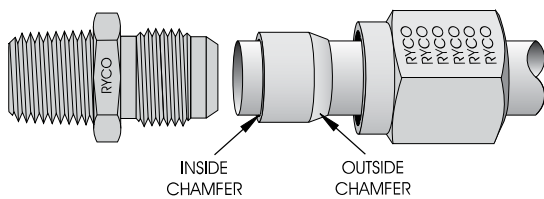
- Ensure that the wall thickness of the tubing is of the approved gauge. See S134 J-Lok & Tubing Selection Table on page 491.
- Cut the tube to required length. Ensure that the tube is cut squarely. A tube cutter is preferred, however a hacksaw or abrasive drop saw may be used providing the cut is square and clean.
- Deburr inner and outer edges of tube.

STEP TWO



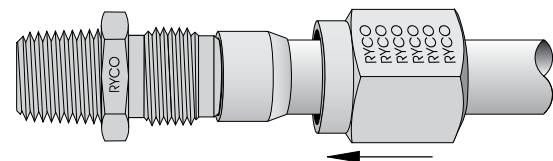
- Remove dirt, grit and cutting debris from the inside and outside of the tube.
- Lubricate the mating surfaces of the S134 J-Lok Flareless Olive and Nut with assembly oil or hydraulic oil.
- Ensure that the teeth inside the Flareless Olive are well lubricated.

STEP THREE



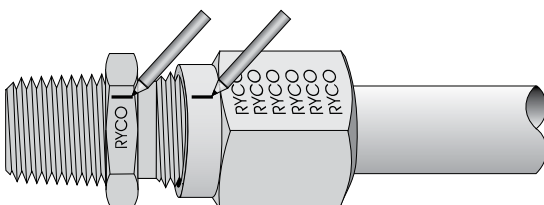
- Slide the S134 Nut on to the tube, so that the thread of the Nut faces towards the end of the tube.
- Then slide the S134 Flareless Olive onto the tube. The outside chamfered end must be adjacent to the S134 Nut, and the inside chamfered end must face towards the end of the tube.

STEP FOUR



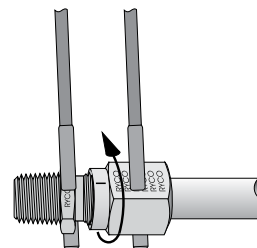
- Butt the tube end against the JIC male seat.
- With the tube held against the JIC male seat, slide the S134 Nut and Flareless Olive along the tube, until the Flareless Olive mates with the JIC male seat, and the S134 Nut mates with the JIC male thread.

STEP FIVE



- Engage the thread of the S134 Nut with the mating JIC male thread, while holding the tube against the JIC male seat. Prevent the tube from rotating.
- When the S134 Nut cannot be further tightened by hand onto the JIC male thread, place a mark on collar of the S134 Nut, and an adjacent mark on the JIC male hex.

STEP SIX



- Hold the JIC male hex stationary and further tighten the S134 Nut by spanner, rotating it 1¼ turns.
- Use the marks from STEP 5 as a reference.
- Ensure the tube is always held against the JIC male seat and prevent the tube from rotating.

ASSEMBLY INSTRUCTIONS – S134 J-LOK FLARELESS TUBE FITTINGS

ASSEMBLY INSTRUCTIONS FOR:

S134 Series J-Lok Flareless Tube Fittings. Cont.

RYCO S134 J-Lok Flareless Tube Fittings provide a quick and convenient method of connecting Imperial Outside Diameter seamless steel hydraulic tubing to RYCO JIC male threads with 37° seat, without the need to flare the tubing. The wall thickness of the tubing must be of the approved gauge (see below for Selection Table).

INTRODUCTION

STEP SEVEN

- **If the connection is to be undone and then reassembled:**
- First tighten the S134 Nut onto the JIC male thread by hand.
- When the S134 Nut cannot be further hand tightened, tighten it with a spanner one more hex flat (1/6 of a turn).
- RYCO S134 J-Loks may be reassembled in this manner approximately ten times.

HOSE

COUPLINGS

SELECTION TABLE FOR S134 J-LOK FITTINGS AND TUBING

TUBING USED MUST BE IMPERIAL OUTSIDE DIAMETER SEAMLESS ANNEALED STEEL HYDRAULIC TUBING TO ASTM A179.

ADAPTORS

TECHNICAL

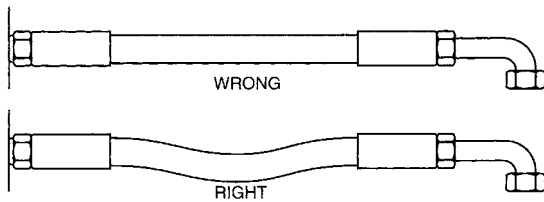
| RYCO S134 J-LOK | TUBE OD X GAUGE | TUBE DIMENSIONS (INCH) | | | TUBE DIMENSIONS (MM) | | | MAXIMUM DYNAMIC WORKING PRESSURE | |
|-----------------------|-----------------------|------------------------|-------------------|--------------------|----------------------|-------------------|--------------------|-------------------------------------|------|
| | | OUTSIDE DIAMETER | WALL THICKNESS | INSIDE DIAMETER | OUTSIDE DIAMETER | WALL THICKNESS | INSIDE DIAMETER | bar | psi |
| PART NO | | inch | inch | inch | mm | mm | mm | bar | psi |
| S134-0704 | 1/4 x 20G | 0.250 | 0.035 | 0.180 | 6,35 | 0,91 | 4,53 | 238 | 3450 |
| S134-0906 | 3/8 x 18G | 0.375 | 0.049 | 0.277 | 9,53 | 1,22 | 7,09 | 252 | 3650 |
| S134-0906 | 3/8 x 16G | 0.375 | 0.065 | 0.245 | 9,53 | 1,63 | 6,27 | 310 | 4500 |
| S134-1208 | 1/2 x 18G | 0.500 | 0.049 | 0.402 | 12,70 | 1,22 | 10,26 | 183 | 2650 |
| S134-1208 | 1/2 x 16G | 0.500 | 0.065 | 0.370 | 12,70 | 1,63 | 9,44 | 252 | 3650 |
| S134-1410 | 5/8 x 16G | 0.625 | 0.065 | 0.495 | 15,88 | 1,63 | 12,62 | 197 | 2850 |
| S134-1410 | 5/8 x 14G | 0.625 | 0.080 | 0.465 | 15,88 | 2,03 | 11,82 | 207 | 3000 |
| S134-1712 | 3/4 x 16G | 0.750 | 0.065 | 0.620 | 19,05 | 1,63 | 15,79 | 162 | 2350 |
| S134-1712 | 3/4 x 14G | 0.750 | 0.080 | 0.590 | 19,05 | 2,03 | 14,99 | 207 | 3000 |
| S134-2116 | 1 x 14G | 1.000 | 0.080 | 0.840 | 25,40 | 2,03 | 21,34 | 152 | 2200 |
| S134-2116 | 1 x 12G | 1.000 | 0.104 | 0.792 | 25,40 | 2,64 | 20,12 | 193 | 2800 |

INSTALLATION GUIDE - HOSE ASSEMBLY

Proper hose installation is essential for satisfactory performance. If hose length is excessive, the appearance of the installation will be unsatisfactory and unnecessary cost of equipment will be involved. If hose assemblies are too short to permit adequate flexing and changes in length due to expansion or contraction, hose service life will be reduced.

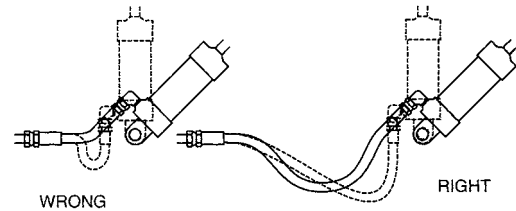
The following diagrams show proper hose installations which provide maximum performance and cost savings. Consider these examples in determining length of a specific assembly.

STRAIGHT HOSE INSTALLATIONS



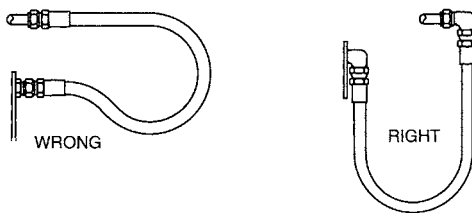
- When hose installation is straight, allow enough slack in hose line to provide for length changes that will occur when pressure is applied.

FLEXING APPLICATIONS



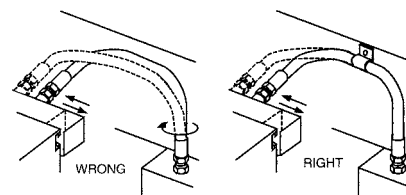
- Adequate hose length is necessary to distribute movement on flexing applications, and to avoid abrasion.

TWISTS AND BENDS, PART ONE



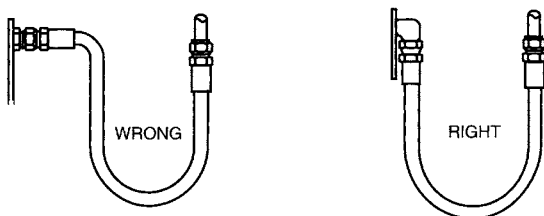
- When radius is below the required minimum, use an angle adaptor to avoid sharp bends.

TWISTS AND BENDS, PART TWO



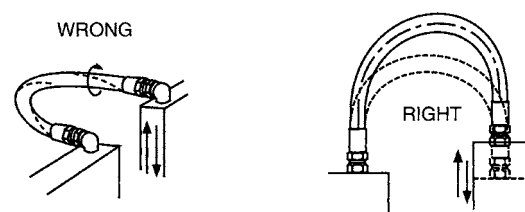
- Avoid twisting of hose lines bent in two planes by clamping hose at change of plane.

TWISTS AND BENDS, PART THREE



- Use proper angle adaptors to avoid sharp twists or bends in the hose.

TWISTS AND BENDS, PART FOUR



- Prevent twisting and distortion by bending hose in same plane as the motion of the boss to which hose is connected.

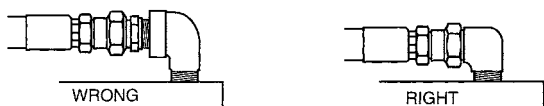
INSTALLATION GUIDE - HOSE ASSEMBLY (CONT)

Proper hose installation is essential for satisfactory performance. If hose length is excessive, the appearance of the installation will be unsatisfactory and unnecessary cost of equipment will be involved. If hose assemblies are too short to permit adequate flexing and changes in length due to expansion or contraction, hose service life will be reduced.

The following diagrams show proper hose installations which provide maximum performance and cost savings. Consider these examples in determining length of a specific assembly.

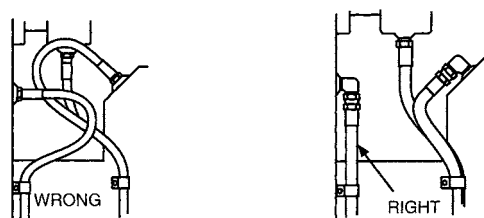
INTRODUCTION

REDUCE NUMBER OF PIPE FITTINGS



- Reduce number of pipe thread joints by using proper hydraulic adaptors instead of pipe fittings.

USE 45° AND/OR 90° ADAPTORS

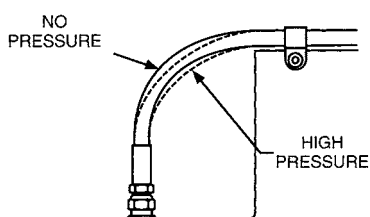


- Route hose directly by using 45° and/or 90° adaptors and fittings.
- Avoid excessive hose length to improve appearance.

HOSE

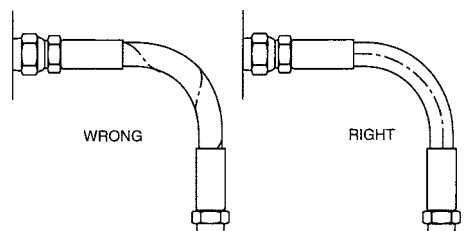
COUPLINGS

ALLOWING FOR LENGTH CHANGE



- To allow for length changes when hose is pressurised, do not clamp at bends.
- Curves will absorb changes.
- Do not clamp high and low pressure lines together.

AVOID TWISTING HOSE

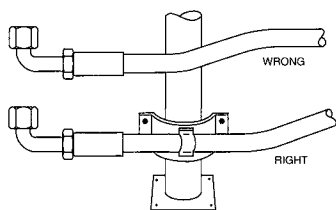


- When installing hose, make sure it is not twisted.
- Pressure applied to a twisted hose can result in hose failure or loosening of connections.

ADAPTORS

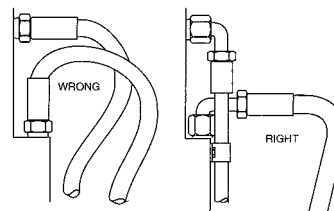
TECHNICAL

HIGH TEMPERATURE



- High ambient temperatures shorten hose, therefore ensure hose is kept away from hot parts.
- If this is not possible, insulate hose.

RELIEVE STRAIN



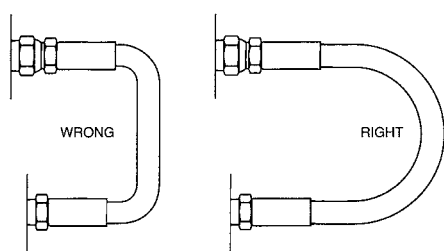
- Elbows and adaptors should be used to relieve strain on the assembly, and to provide neater installations which will be more accessible for inspection and maintenance.

INSTALLATION GUIDE - HOSE ASSEMBLY (CONT)

Proper hose installation is essential for satisfactory performance. If hose length is excessive, the appearance of the installation will be unsatisfactory and unnecessary cost of equipment will be involved. If hose assemblies are too short to permit adequate flexing and changes in length due to expansion or contraction, hose service life will be reduced.

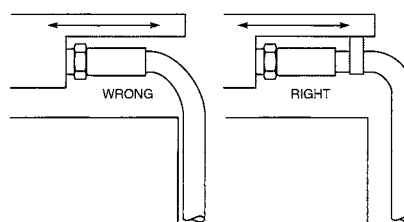
The following diagrams show proper hose installations which provide maximum performance and cost savings. Consider these examples in determining length of a specific assembly.

AVOID COLLAPSE AND RESTRICTION



- To avoid hose collapse and flow restriction, keep hose bend radii as large as possible.
- Refer to hose specification tables for minimum bend radii.

AVOID ABRASION



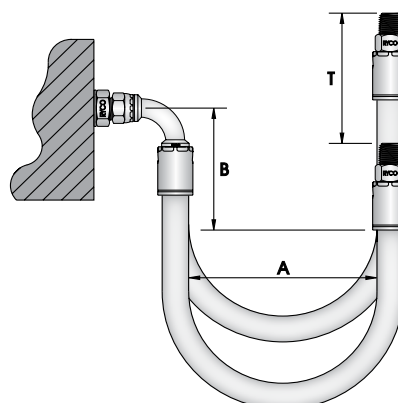
- Run hose in the installation so that it avoids rubbing and abrasion.
- Often, clamps are required to support long hose runs or to keep hose away from moving parts.
- Use clamps of the correct size. A clamp too large allows hose to move inside the clamp and causes abrasion.

NOTE

- When determining the length of hose assemblies, provide sufficient length to prevent bending strain from localising at the back of the coupling. In the 'TYPICAL DIMENSIONS FOR ONE & TWO WIRE BRAID HOSE' diagram below, measurement "B" allows for a strain section of hose beyond the coupling to prevent concentration of bending strain. "T" designates the amount of travel. "A" indicates the smallest diameter to which hose should be bent.
- **OVERALL LENGTH = B+1.57A+T**

TYPICAL DIMENSIONS FOR ONE & TWO WIRE BRAID HOSE

| HOSE SIZE | | | "B" CONSTANT FOR STRAIGHT PORTION INCLUDING COUPLING |
|-----------|-------|------|--|
| DN | inch | Dash | |
| 6 | 1/4 | -04 | 250 mm (10") |
| 10 | 3/8 | -06 | 250 mm (10") |
| 12 | 1/2 | -08 | 300 mm (12) |
| 19 | 3/4 | -12 | 350 mm (14") |
| 25 | 1 | -16 | 400 mm (16") |
| 31 | 1.1/4 | -20 | 450 mm (28") |
| 38 | 1.1/2 | -24 | 500 mm (20") |
| 51 | 2 | -32 | 500 mm (20") |



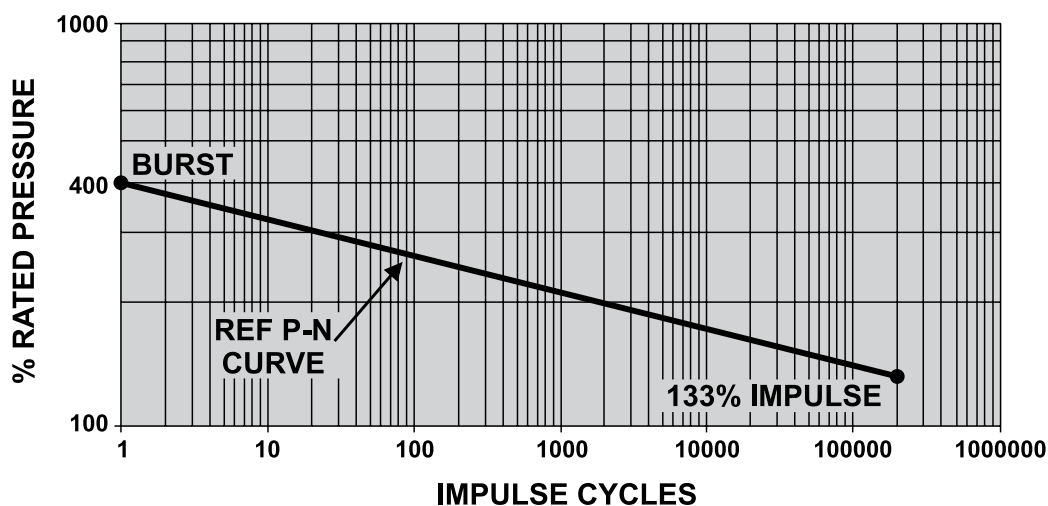
FACTOR OF SAFETY (FOS)

Hydraulic Hose Assemblies have a rated maximum working pressure (MWP) of the lesser of the MWP of the hydraulic hose and the MWP of the connector terminations.

Hydraulic Hose has a finite life. The lifespan of Hydraulic Hose Assemblies is affected by many factors (see 'Hose Selection' and 'Safety Guide' pages 467 to 474, and RYCO HALP® program page 23). Three limiting factors are working pressure, temperature and impulse pressures (pulses). High Impulse Pressures will fatigue hydraulic hose and consume their life.

Fatigue life is specified by a logarithmic **P-N Curve**, where **P** = Pressure and **N** = Impulses.

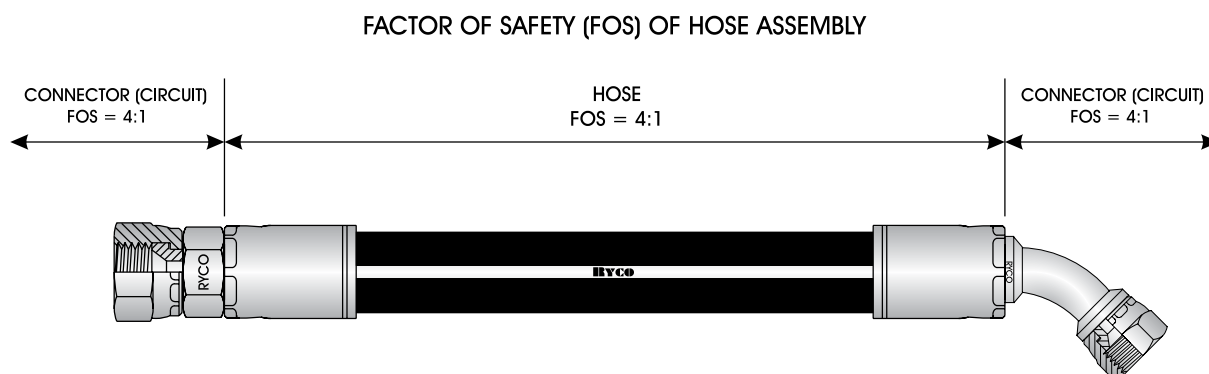
Hydraulic hose assemblies require a FOS (Factor of Safety) of 4:1.



IMPULSE CURVE FOR EN853-2SN (SAE 100R2AT)

This implies that an unused hydraulic hose assembly has to be able reach four times its MWP (4 x MWP) once only (one pulse). Depending upon the specification requirements of the hydraulic hose, the Hydraulic Hose Assembly (be sure to use couplings that are MATCHED to the hose) must pass an Impulse Test (fatigue life test) at a specified percentage of the hose MWP for a specified number of pressure impulses. In the example above we see that EN853-2SN requires 200,000 impulses at 133% of its MWP (rated pressure). Impulse Tests are generally conducted with fluid heated to the maximum rated operating temperature of the hose.

RYCO Hydraulics Connector Terminations have a FOS of 4:1.



TECHNICAL

GUIDE TO THREAD AND CONNECTOR WORKING PRESSURES

WORKING PRESSURES - ADAPTORS, HOSE COUPLINGS AND HOSE ASSEMBLIES.

Since many factors influence the pressure at which a hydraulic system will, or will not, perform satisfactorily, maximum working pressures listed below should be used as a guide only and not as a "standard" nor "specification", nor construed as a "guaranteed minimum." Within the fluid power industry, many criteria are used for the determination of pressure capability. Various fibre stresses, minimum yields and design factors are applied, commensurate with total system conditions. Thus, it is impractical to lay down specific allowable working pressures that satisfy all design criteria. Unless otherwise specified in this document, and given correct working conditions, including, but not limited to, torque setting, assembly, alignment, support, pressures (internal and external), temperature limits, environmental, installation, vibration free, damage free, chemical, cleanliness and regular maintenance and inspection, the following may be used as a guide to maximum working pressure. For further technical assistance contact RYCO Hydraulics Technical Department or your RYCO Hydraulics distributor.

The Maximum Working Pressure of a Hose Assembly is the lesser rated Working Pressure of the Hose or Tube or End Style (Connector termination). The Maximum Rated Working Pressure of an Adaptor with a combination of Thread / End Styles and sizes, is the Maximum Working Pressure of the least rated end.

| BSP | BSPT MALE | BSPP MALE | BSPT MALE LIVE SWIVEL | BSPT FEMALE FIXED | BSPP FEMALE SWIVEL (CRIMP NUT) | BSPP FEMALE SWIVEL (WIRE NUT) | BSPO FEMALE SWIVEL | BSPP MALE NON-ADJUSTABLE (O RING & RETAINING RING) |
|-----|-----------|-----------|-----------------------|-------------------|--------------------------------|-------------------------------|--------------------|--|
|-----|-----------|-----------|-----------------------|-------------------|--------------------------------|-------------------------------|--------------------|--|



| THREAD SIZE | DASH SIZE | MAX. WORKING PRESSURE | | | | | | | | | | | | | | | |
|-------------|-----------|-----------------------|-------|-----|-------|-----|------|-----|-------|-----|-------|-----|------|-----|-------|-----|------|
| | | bar | psi | bar | psi | bar | psi | bar | psi | bar | psi | bar | psi | bar | psi | bar | psi |
| 1/8 | -02 | 690 | 10000 | 690 | 10000 | 420 | 6100 | 690 | 10000 | 690 | 10000 | | | 690 | 10000 | 350 | 5100 |
| 1/4 | -04 | 690 | 10000 | 690 | 10000 | 420 | 6100 | 690 | 10000 | 690 | 10000 | | | 690 | 10000 | 350 | 5100 |
| 3/8 | -06 | 690 | 10000 | 620 | 9000 | 420 | 6100 | 690 | 10000 | 620 | 9000 | | | 620 | 9000 | 350 | 5100 |
| 1/2 | -08 | 690 | 10000 | 480 | 7000 | 350 | 5100 | 690 | 10000 | 480 | 7000 | | | 480 | 7000 | 350 | 5100 |
| 5/8 | -10 | 690 | 10000 | 480 | 7000 | 280 | 4100 | 690 | 10000 | 480 | 7000 | 550 | 8000 | 480 | 7000 | 350 | 5100 |
| 3/4 | -12 | 620 | 9000 | 450 | 6500 | 280 | 4100 | 620 | 9000 | 420 | 6100 | 420 | 6100 | 420 | 6100 | 280 | 4100 |
| 1 | -16 | 620 | 9000 | 350 | 5100 | 215 | 3100 | 620 | 9000 | 350 | 5100 | 350 | 5100 | 350 | 5100 | 215 | 3100 |
| 1.1/4 | -20 | 480 | 7000 | 215 | 3100 | | | 480 | 7000 | 215 | 3100 | 215 | 3100 | 215 | 3100 | 215 | 3100 |
| 1.1/2 | -24 | 420 | 6100 | 100 | 1500 | | | 420 | 6100 | | | 100 | 1500 | 100 | 1500 | 215 | 3100 |
| 2 | -32 | 350 | 5100 | 100 | 1500 | | | 350 | 5100 | | | 100 | 1500 | 100 | 1500 | 180 | 2600 |
| 2.1/2 | -40 | 215 | 3100 | | | | | | | | | | | | | | |

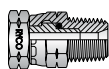
| BSP | BSPP MALE ADJUSTABLE (O RING & RETAINING RING) | BSPP MALE (BONDED SEAL) | BSPP MALE (ENCAPSULATED SEAL) |
|-----|--|-------------------------|-------------------------------|
|-----|--|-------------------------|-------------------------------|



| THREAD SIZE | DASH SIZE | MAX. WORKING PRESSURE | | | | | |
|-------------|-----------|-----------------------|------|-----|------|-----|------|
| | | bar | psi | bar | psi | bar | psi |
| 1/8 | -02 | 380 | 5500 | 420 | 6100 | 620 | 9000 |
| 1/4 | -04 | 350 | 5100 | 420 | 6100 | 620 | 9000 |
| 3/8 | -06 | 350 | 5100 | 420 | 6100 | 480 | 7000 |
| 1/2 | -08 | 310 | 4500 | 350 | 5100 | 480 | 7000 |
| 5/8 | -10 | | | 350 | 5100 | 480 | 7000 |
| 3/4 | -12 | 280 | 4100 | 280 | 4100 | 480 | 7000 |
| 1 | -16 | 215 | 3100 | 280 | 4100 | 370 | 5300 |
| 1.1/4 | -20 | 170 | 2500 | 280 | 4100 | 280 | 4100 |
| 1.1/2 | -24 | | | 215 | 3100 | 280 | 4100 |
| 2 | -32 | | | 150 | 2100 | 230 | 3300 |

GUIDE TO THREAD AND CONNECTOR WORKING PRESSURES

| NPT | NPT MALE | NPT MALE LIVE SWIVEL | NPT FEMALE FIXED | NPSM FEMALE SWIVEL (CRIMP NUT) | NPSM FEMALE SWIVEL (WIRE NUT) |
|-----|----------|----------------------|------------------|--------------------------------|-------------------------------|
|-----|----------|----------------------|------------------|--------------------------------|-------------------------------|



| JSEAL™ | JSEAL™ FEMALE CONCAVE SEAT |
|--------|----------------------------|
|--------|----------------------------|



| THREAD SIZE | DASH SIZE | MAX. WORKING PRESSURE | | | | | | | | | |
|-------------|-----------|-----------------------|-------|-----|------|-----|-------|-----|-------|-----|------|
| | | bar | psi | bar | psi | bar | psi | bar | psi | bar | psi |
| 1/8 | -02 | 760 | 11000 | 420 | 6100 | 760 | 11000 | 690 | 10000 | | |
| 1/4 | -04 | 760 | 11000 | 420 | 6100 | 760 | 11000 | 690 | 10000 | | |
| 3/8 | -06 | 690 | 10000 | 420 | 6100 | 690 | 10000 | 690 | 10000 | | |
| 1/2 | -08 | 690 | 10000 | 350 | 5100 | 690 | 10000 | 550 | 8000 | | |
| 5/8 | -10 | | | | | | | | | | |
| 3/4 | -12 | 690 | 10000 | 280 | 4100 | 690 | 10000 | 450 | 6500 | 480 | 7000 |
| 1 | -16 | 500 | 7200 | 280 | 4100 | 500 | 7200 | 350 | 5100 | 420 | 6100 |
| 1.1/4 | -20 | 350 | 5100 | | | 350 | 5100 | 280 | 4100 | 420 | 6100 |
| 1.1/2 | -24 | 350 | 5100 | | | 350 | 5100 | 280 | 4100 | 280 | 4100 |
| 2 | -32 | 350 | 5100 | | | 350 | 5100 | 215 | 3100 | 215 | 3100 |
| 2.1/2 | -40 | 215 | 3100 | | | | | | | 215 | 3100 |

| THREAD SIZE | DASH SIZE | MAX. WORKING PRESSURE | |
|-------------|-----------|-----------------------|-------|
| | | bar | psi |
| 7/16 | -07 | 700 | 10100 |
| 1/2 | -08 | 700 | 10100 |
| 9/16 | -09 | 700 | 10100 |
| 3/4 | -12 | 630 | 9100 |
| 7/8 | -14 | 630 | 9100 |
| 1.1/16 | -17 | 560 | 8100 |
| 1.3/16 | -19 | 490 | 7100 |
| 1.5/16 | -21 | 420 | 6100 |
| 1.5/8 | -26 | 420 | 6100 |
| 1.7/8 | -30 | 350 | 5100 |
| 2.1/2 | -40 | 280 | 4100 |

| JIS | METRIC FEMALE SWIVEL 60° CONCAVE SEAT |
|-----|---------------------------------------|
|-----|---------------------------------------|



| THREAD SIZE | DASH SIZE | MAX. WORKING PRESSURE | |
|-------------|-----------|-----------------------|------|
| mm | | bar | psi |
| M14 x 1,5 | -14 | 420 | 6100 |
| M16 x 1,5 | -16 | 420 | 6100 |
| M18 x 1,5 | -18 | 420 | 6100 |
| M22 x 1,5 | -22 | 380 | 5500 |
| M24 x 1,5 | -24 | 350 | 5100 |
| M27 x 2,0 | -27 | 280 | 4100 |
| M30 x 1,5 | -30 | 280 | 4100 |
| M33 x 1,5 | -33 | 215 | 3100 |
| M33 x 2,0 | -33 | 215 | 3100 |
| M36 x 1,5 | -36 | 170 | 2500 |
| M42 x 1,5 | -42 | 170 | 2500 |
| M50 x 2,0 | -50 | 100 | 1500 |
| M60 x 2,0 | -60 | 70 | 1000 |

| JIC | JIC MALE | JIC FEMALE SWIVEL (CRIMP NUT) | JIC FEMALE SWIVEL (WIRE NUT) | JIC FEMALE SWIVEL HIGH PRESSURE ("V" SERIES) |
|-----|----------|-------------------------------|------------------------------|--|
|-----|----------|-------------------------------|------------------------------|--|



| TUBE SIZE | THREAD SIZE | DASH SIZE | MAX. WORKING PRESSURE | | | | | | | |
|-----------|-------------|-----------|-----------------------|-------|-----|-------|-----|------|-----|------|
| | | | bar | psi | bar | psi | bar | psi | bar | psi |
| 3/16 | 3/8 | -06 | 690 | 10000 | 690 | 10000 | | | | |
| 1/4 | 7/16 | -07 | 690 | 10000 | 690 | 10000 | | | | |
| 5/16 | 1/2 | -08 | 620 | 9000 | 620 | 9000 | | | | |
| 3/8 | 9/16 | -09 | 550 | 8000 | 550 | 8000 | | | | |
| 1/2 | 3/4 | -12 | 690 | 10000 | 690 | 10000 | | | | |
| 5/8 | 7/8 | -14 | 550 | 8000 | 550 | 8000 | 590 | 8500 | | |
| 3/4 | 1.1/16 | -17 | 480 | 7000 | 480 | 7000 | 550 | 8000 | | |
| 7/8 | 1.3/16 | -19 | 420 | 6100 | 380 | 5500 | 420 | 6100 | | |
| 1 | 1.5/16 | -21 | 420 | 6100 | 320 | 4600 | 240 | 3500 | 350 | 5100 |
| 1.1/4 | 1.5/8 | -26 | 350 | 5100 | 215 | 3100 | 240 | 3500 | 350 | 5100 |
| 1.1/2 | 1.7/8 | -30 | 215 | 3100 | | | 215 | 3100 | 350 | 5100 |
| 2 | 2.1/2 | -40 | 150 | 2100 | | | 110 | 1600 | | |
| 2.1/2 | 3 | -48 | | | | | | | | |

INTRODUCTION

HOSE

COUPLINGS

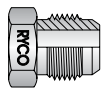
ADAPTORS

TECHNICAL

TECHNICAL

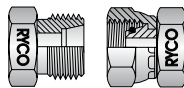
GUIDE TO THREAD AND CONNECTOR WORKING PRESSURES

| | | |
|------------|------------------------|------------------------------------|
| JIS | BSPP MALE | BSPP FEMALE |
| | 60° CONVEX SEAT | SWIVEL 60° CONCAVE SEAT |



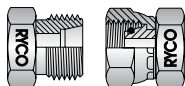
| THREAD SIZE | DASH SIZE | MAX. WORKING PRESSURE | | | |
|-------------|-----------|-----------------------|------|-----|------|
| | | bar | psi | bar | psi |
| inch | | | | | |
| 1/4 | -04 | 480 | 7000 | 480 | 7000 |
| 3/8 | -06 | 450 | 6500 | 450 | 6500 |
| 1/2 | -08 | 350 | 5100 | 350 | 5100 |
| 5/8 | -10 | | | | |
| 3/4 | -12 | | | | |
| 1 | -16 | | | | |

METRIC DKOL (LIGHT SERIES) MALE & FEMALE O RING



| TUBE SIZE | THREAD SIZE | DASH SIZE | MAX. WORKING PRESSURE | |
|-----------|-------------|-----------|-----------------------|------|
| mm | mm | | bar | psi |
| 6 | M12 x 1,5 | -12 | 430 | 6300 |
| 8 | M14 x 1,5 | -14 | 430 | 6300 |
| 10 | M16 x 1,5 | -16 | 430 | 6300 |
| 12 | M18 x 1,5 | -18 | 350 | 5100 |
| 15 | M22 x 1,5 | -22 | 350 | 5100 |
| 18 | M26 x 1,5 | -26 | 350 | 5100 |
| 22 | M30 x 2,0 | -30 | 280 | 4100 |
| 28 | M36 x 2,0 | -36 | 215 | 3100 |
| 35 | M45 x 2,0 | -45 | 180 | 2600 |
| 42 | M52 x 2,0 | -52 | 180 | 2600 |

METRIC DKOS (HEAVY SERIES) MALE & FEMALE O RING



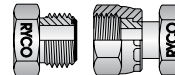
| TUBE SIZE | THREAD SIZE | DASH SIZE | MAX. WORKING PRESSURE | |
|-----------|-------------|-----------|-----------------------|-------|
| mm | mm | | bar | psi |
| 6 | M14 x 1,5 | -12 | 690 | 10000 |
| 8 | M16 x 1,5 | -14 | 690 | 10000 |
| 10 | M18 x 1,5 | -16 | 690 | 10000 |
| 12 | M20 x 1,5 | -20 | 620 | 9000 |
| 14 | M22 x 1,5 | -22 | 620 | 9000 |
| 16 | M24 x 2,0 | -24 | 420 | 6100 |
| 20 | M30 x 2,0 | -30 | 420 | 6100 |
| 25 | M36 x 2,0 | -36 | 420 | 6100 |
| 30 | M42 x 2,0 | -45 | 420 | 6100 |
| 38 | M52 x 2,0 | -52 | 420 | 6100 |

METRIC BONDED SEAL



| THREAD SIZE | DASH SIZE | MAX. WORKING PRESSURE | |
|-------------|-----------|-----------------------|------|
| mm | | bar | psi |
| M10 | -10 | 350 | 5100 |
| M12 | -12 | 350 | 5100 |
| M14 | -14 | 350 | 5100 |
| M16 | -16 | 350 | 5100 |
| M18 | -18 | 350 | 5100 |
| M20 | -20 | 280 | 4100 |
| M22 | -22 | 280 | 4100 |
| M24 | -24 | 250 | 3625 |
| M26 | -26 | 250 | 3625 |
| M27 | -27 | 280 | 4100 |
| M30 | -30 | 215 | 3100 |
| M33 | -33 | 215 | 3100 |
| M36 | -36 | 215 | 3100 |
| M42 | -42 | 215 | 3100 |
| M48 | -48 | 215 | 3100 |

ORFS O RING FACE SEAL



| TUBE SIZE | THREAD SIZE | DASH SIZE | MAX. WORKING PRESSURE | |
|-----------|-------------|-----------|-----------------------|-------|
| inch | inch | | bar | psi |
| 1/4 | 9/16 | -09 | 690 | 10000 |
| 3/8 | 11/16 | -11 | 690 | 10000 |
| 1/2 | 13/16 | -13 | 630 | 9150 |
| 5/8 | 1 | -16 | 630 | 9150 |
| 3/4 | 1.3/16 | -19 | 480 | 7000 |
| 1 | 1.7/16* | -23 | 420 | 6100 |
| 1.1/4 | 1.11/16* | -27 | 280 | 4100 |
| 1.1/2 | 2* | -32 | 280 | 4100 |

* Wire Nut used

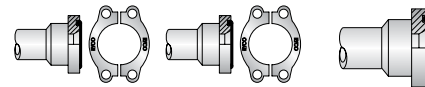
GUIDE TO THREAD AND CONNECTOR WORKING PRESSURES

| | | |
|------------|--------------------------|-------------------------------|
| SAE | SAE 45° FLARE | SAE INVERTED FLARE |
|------------|--------------------------|-------------------------------|



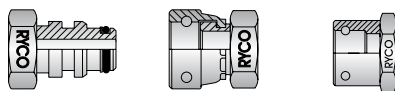
| TUBE SIZE | THREAD SIZE | DASH SIZE | MAX. WORKING PRESSURE | | | |
|-----------|-------------|-----------|-----------------------|-------|-----|------|
| | | | bar | psi | bar | psi |
| 1/4 | 7/16 | -07 | 690 | 10000 | 215 | 3100 |
| 5/16 | 1/2 | -08 | 690 | 10000 | 215 | 3100 |
| 3/8 | 5/8 | -10 | 590 | 8500 | 180 | 2600 |
| 7/16 | 11/16 | -11 | | | 180 | 2600 |
| 1/2 | 3/4 | -12 | 550 | 8000 | | |
| 5/8 | 7/8 | -14 | 520 | 7500 | | |
| 3/4 | 1.1/16 | -17 | 420 | 6100 | | |
| 1 | 1.5/16 | -21 | | | | |
| 1.1/4 | 1.5/8 | -26 | | | | |
| 1.1/2 | 1.7/8 | -30 | | | | |
| 2 | 2.1/2 | -40 | | | | |

| | | | |
|-------------------|-------------------------------|-------------------------------|---|
| SAE FLANGE | CODE 61 SAE FLANGE | CODE 62 SAE FLANGE | RYCO CODE 62C SPECIAL FLANGE |
|-------------------|-------------------------------|-------------------------------|---|



| NOM. FLANGE SIZE | DASH SIZE | MAX. WORKING PRESSURE | | | | | |
|------------------|-----------|-----------------------|------|-----|------|-----|------|
| | | bar | psi | bar | psi | bar | psi |
| 1/2 | -08 | 350 | 5100 | 420 | 6100 | 420 | 6100 |
| 5/8 | -10 | 350 | 5100 | 420 | 6100 | 420 | 6100 |
| 3/4 | -12 | 350 | 5100 | 420 | 6100 | 420 | 6100 |
| 1 | -16 | 350 | 5100 | 420 | 6100 | 420 | 6100 |
| 1.1/4 | -20 | 280 | 4100 | 420 | 6100 | 420 | 6100 |
| 1.1/2 | -24 | 215 | 3100 | 420 | 6100 | 420 | 6100 |
| 2 | -32 | 215 | 3100 | 420 | 6100 | 420 | 6100 |
| 2.1/2 | -40 | 215 | 3100 | | | | |
| 3 | -48 | 140 | 2050 | | | | |

| | | | |
|---|--------------------------------------|---------------------------------------|---|
| RYCOLOK SUPERLOK SUPER-D | RYCOLOK MALE & FEMALE | SUPERLOK MALE & FEMALE | RYCO SUPER-D MALE & FEMALE |
|---|--------------------------------------|---------------------------------------|---|



| NOMINAL SIZE | | | MAX. WORKING PRESSURE | | | | | |
|--------------|-------|------|-----------------------|------|-----|------|-----|------|
| DN | inch | Dash | bar | psi | bar | psi | bar | psi |
| 6 | 1/4 | -06 | 420 | 6100 | | | | |
| 10 | 3/8 | -10 | 420 | 6100 | | | | |
| 12 | 1/2 | -12 | 415 | 6020 | | | | |
| 16 | 5/8 | -16 | | | | | | |
| 19 | 3/4 | -20 | 350 | 5100 | 420 | 6100 | 420 | 6100 |
| 25 | 1 | -25 | 280 | 4100 | 380 | 5500 | 420 | 6100 |
| 31 | 1.1/4 | -32 | 215 | 3100 | 350 | 5100 | 420 | 6100 |
| 38 | 1.1/2 | -40 | 215 | 3100 | 350 | 5100 | 420 | 6100 |
| 51 | 2 | -50 | 170 | 2500 | 350 | 5100 | 420 | 6100 |
| 63 | 2.1/2 | -63 | | | 350 | 5100 | | |

WARNING: Staples must only be used ONCE, they MUST NOT BE RE-USED.
This applies to all RYCOLOK, SUPERLOK and RYCO SUPER-D Staples. Failure to observe this warning may result in serious personal injury, or property damage.

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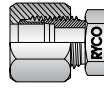
GUIDE TO THREAD AND CONNECTOR WORKING PRESSURES

RYCO WEO



| TUBE SIZE | DASH SIZE | MAX. WORKING PRESSURE | |
|-----------|-----------|-----------------------|------|
| inch | | bar | psi |
| 1/4 | -04 | 350 | 5100 |
| 3/8 | -06 | 350 | 5100 |
| 1/2 | -08 | 350 | 5100 |
| 5/8 | -10 | 350 | 5100 |
| 3/4 | -12 | 350 | 5100 |
| 1 | -16 | 250 | 3625 |

TUBE BITE



| TUBE SIZE | DASH SIZE | MAX. WORKING PRESSURE | |
|-----------|-----------|-----------------------|------|
| inch | | bar | psi |
| 1/4 | -04 | 260 | 3750 |
| 5/16 | -05 | 260 | 3750 |
| 3/8 | -06 | 260 | 3750 |
| 1/2 | -08 | 220 | 3200 |
| 5/8 | -10 | 220 | 3200 |
| 3/4 | -12 | 220 | 3200 |
| 1 | -16 | 170 | 2500 |
| 1.1/4 | -20 | 140 | 2000 |
| 1.1/2 | -24 | | |
| 2 | -32 | | |

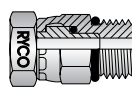
NOTE: Also consider the Maximum Working Pressure of the tubing to be used with TUBE BITE connections.

UN O RING (O RING BOSS)

UN O RING (O RING BOSS)

UN O RING (O RING BOSS) ADJUSTABLE

UN O RING (O RING BOSS) LIVE SWIVEL



| TUBE SIZE | THREAD SIZE | DASH SIZE | MAX. WORKING PRESSURE | | | | | |
|-----------|-------------|-----------|-----------------------|------|-----|------|-----|------|
| | | | bar | psi | bar | psi | bar | psi |
| 1/4 | 7/16 | -07 | 480 | 7000 | 420 | 6100 | | |
| 5/16 | 1/2 | -08 | 480 | 7000 | 420 | 6100 | | |
| 3/8 | 9/16 | -09 | 480 | 7000 | 350 | 5100 | 350 | 5100 |
| 1/2 | 3/4 | -12 | 480 | 7000 | 350 | 5100 | 350 | 5100 |
| 5/8 | 7/8 | -14 | 480 | 7000 | 280 | 4100 | 280 | 4100 |
| 3/4 | 1.1/16 | -17 | 480 | 7000 | 280 | 4100 | 280 | 4100 |
| 7/8 | 1.3/16 | -19 | 480 | 7000 | 280 | 4100 | | |
| 1 | 1.5/16 | -21 | 350 | 5100 | 280 | 4100 | | |
| 1.1/4 | 1.5/8 | -26 | 215 | 3100 | 170 | 2500 | | |
| 1.1/2 | 1.7/8 | -30 | 215 | 3100 | | | | |
| 2 | 2.1/2 | -38 | | | | | | |

IMPORTANT NOTE REGARDING THREAD DASH SIZE/TUBE DASH SIZE

TUBE DASH SIZE - THREAD DASH SIZE

The RYCO Dash Size Part Numbering system for Connection Types associated with Inch sized tubing, follows the **THREAD** size rather than the **TUBE** size.

For example, for JIC 37° Flare; 9/16" **THREAD** is used with 3/8" OD **TUBE**.

The RYCO DASH SIZE for a JIC Hose Tail, 3/8" Hose to 3/8" Tube Size is therefore **-0609** (not -0606).

The Connection Types this applies to are as follows:

JSEAL

JIC 37°

UNO (O Ring Boss)

ORFS (O Ring Face Seal)

SAE 45°

SAE Inverted Flare

BSP, NPT, JIS, Metric DIN, and SAE Flanges are not affected.

The tables below show the relationship between **TUBE Dash Size** and **THREAD Dash Size**.

JSEAL™/JIC 37° AND UNO (O RING BOSS)

| TUBE OD HOSE ID | DASH SIZE | | THREAD SIZE |
|-----------------|-----------|--------|--------------|
| | TUBE/HOSE | THREAD | |
| 1/8 | -02 | -05 | 5/16-24 UNF |
| 3/16 | -03 | -06 | 3/8-24 UNF |
| 1/4 | -04 | -07 | 7/16-20 UNF |
| 5/16 | -05 | -08 | 1/2-20 UNF |
| 3/8 | -06 | -09 | 9/16-18 UNF |
| 1/2 | -08 | -12 | 3/4-16 UNF |
| 5/8 | -10 | -14 | 7/8-14 UNF |
| 3/4 | -12 | -17 | 1.1/16-12 UN |
| 7/8 | -14 | -19 | 1.3/16-12 UN |
| 1 | -16 | -21 | 1.5/16-12 UN |
| 1.1/4 | -20 | -26 | 1.5/8-12 UN |
| 1.1/2 | -24 | -30 | 1.7/8-12 UN |
| 2 | -32 | -40 | 2.1/2-12 UN |
| 2.1/2 | -40 | -48 | 3-12 UN |

SAE 45°

| TUBE OD HOSE ID | DASH SIZE | | THREAD SIZE |
|-----------------|-----------|--------|-------------|
| | TUBE/HOSE | THREAD | |
| 1/8 | -02 | -05 | 5/16-24 |
| 3/16 | -03 | -06 | 3/8-24 |
| 1/4 | -04 | -07 | 7/16-20 |
| 5/16 | -05 | -08 | 1/2-20 |
| 3/8 | -06 | -10 | 5/8-18 |
| 1/2 | -08 | -12 | 3/4-16 |
| 5/8 | -10 | -14 | 7/8-14 |
| 3/4 | -12 | -17 | 1.1/16-14 |

SAE INVERTED FLARE

| TUBE OD HOSE ID | DASH SIZE | | THREAD SIZE |
|-----------------|-----------|--------|-------------|
| | TUBE/HOSE | THREAD | |
| 1/4 | -04 | -07 | 7/16-24 |
| 5/16 | -05 | -08 | 1/2-20 |
| 3/8 | -06 | -10 | 5/8-18 |
| 7/16 | -07 | -11 | 11/16-18 |

ORFS (O RING FACE SEAL)

| TUBE OD HOSE ID | DASH SIZE | | THREAD SIZE |
|-----------------|-----------|--------|---------------|
| | TUBE/HOSE | THREAD | |
| 1/4 | -04 | -09 | 9/16-18 UNF |
| 3/8 | -06 | -11 | 11/16-16 UN |
| 1/2 | -08 | -13 | 13/16-16 UN |
| 5/8 | -10 | -16 | 1-14 UNS |
| 3/4 | -12 | -19 | 1.3/16-12 UN |
| 1 | -16 | -23 | 1.7/16-12 UN |
| 1.1/4 | -20 | -27 | 1.11/16-12 UN |
| 1.1/2 | -24 | -32 | 2-12 UN |

RYCO RYCOLOK & SUPERLOK

| NOMINAL SIZE DN | INCH | DASH SIZE |
|-----------------|-------|-----------|
| | | |
| 10 | 3/8 | -10 |
| 12 | 1/2 | -12 |
| 16 | 5/8 | -16 |
| 19 | 3/4 | -20 |
| 25 | 1 | -25 |
| 31 | 1.1/4 | -32 |
| 38 | 1.1/2 | -40 |
| 51 | 2 | -50 |
| 63 | 2.1/2 | -63 |
| 76 | 3 | -75 |

For RYCO, RYCOLOK and SUPERLOK, the Dash Size is the Nominal Size in millimetres.

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THREAD AND CONNECTOR IDENTIFICATION

HOW TO USE THIS SECTION

This section is intended as an aid to identifying the most popular threads on hydraulic hose couplings and adaptors, and hydraulic equipment.

BSP, Metric, American and Japanese thread sizes can be very similar. It is important to measure and match every criteria of thread diameter, thread pitch, seating or sealing type (including angle of seats if present) to accurately determine thread type.

PROCEDURE

STEP 1. INVESTIGATION

Check for any markings on fitting or equipment which may be a clue to thread type. Country of origin may provide a clue.

| | |
|---------------------|------------------------|
| Europe | Check DIN/BSP |
| UK/Australia | Check BSP |
| America | Check NPT/JIC/UNO/ORFS |
| Japan | Check JIS |

All RYCO parts have a unique part number stamped on to aid identification.

STEP 2. VISUAL INSPECTION

Depending on whether the male or female thread or both are available, different features will aid identification.

- Are threads parallel or tapered?
- Is there an O Ring or a washer seal?
- If cone seats are present, are they concave or convex?
- Type and position on fittings.

STEP 3. MEASURE THREADS

With a caliper, measure the thread diameter.

- OD of male threads
- ID of female threads

Using a thread gauge, determine the number of threads per inch.

If thread gauge is not available, measure pitch from crest to crest of adjacent threads, or count the number of threads in 1/4" and multiply by four for threads per inch. Chart at bottom of page may assist.

STEP 4. SEAT ANGLE MEASUREMENT

Using a seat gauge, determine the angle of the seat. Some fittings have dual seats (eg. JIC 37° & SAE 45°), and some have a radiused cone.

STEP 5. CONCLUSION

Match the measurements taken against those in the tables herein that appear to be similar to the coupling under consideration.

A final check can be achieved by mating with an actual coupling of the same thread.

THREAD ID MATE

THREAD IDENTIFICATION AT YOUR FINGERTIPS

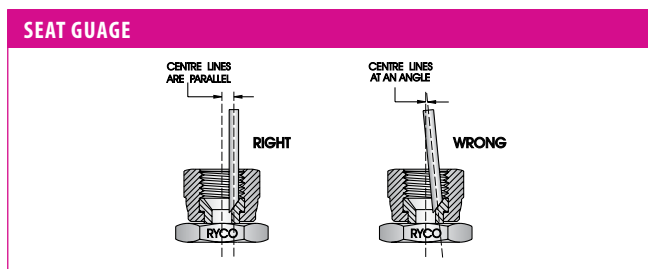
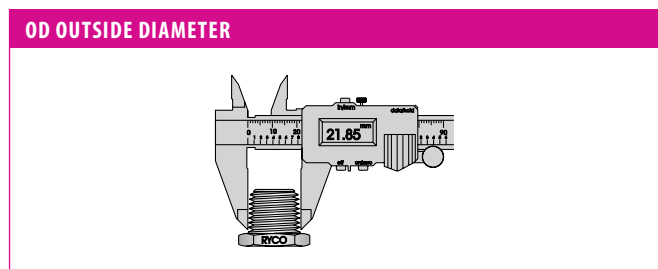
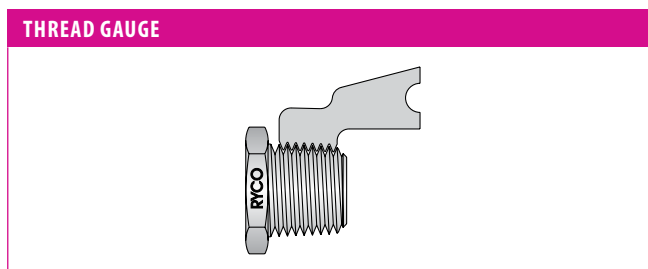
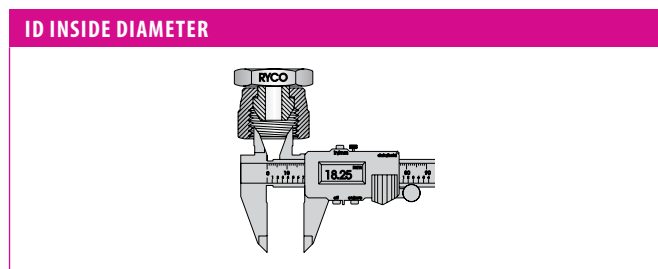
The RYCO Thread ID Mate application enables you to identify hydraulic threads and connectors everywhere you go.

The intuitive and simple identification process will help you find detailed information about threads specifications, sizes and more.

The RYCO Thread ID Mate also includes multiple search methods.

The Thread ID Mate app is available for your Android smartphone, iPhone/iPod Touch. Thread identification you can keep in your pocket!

Find out more at www.RYCO.com.au



| | | | | | | | | | | | | | | |
|------------------------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|
| TPI (Threads Per Inch) | 28 | 27 | 24 | 20 | 19 | 18 | 16 | 14 | 12 | 11.5 | 11 | 8 | 16.9 | 12.7 |
| Thread PITCH (mm) | 0,91 | 0,94 | 1,06 | 1,27 | 1,34 | 1,4 | 1,59 | 1,81 | 2,12 | 2,21 | 2,31 | 3,18 | 1,5 | 2,0 |

BSPT & BSPP THREADS

BSP IS BRITISH STANDARD PIPE
BSPT IS BRITISH STANDARD PIPE TAPER

ALSO KNOWN AS WHITWORTH 55° THREAD FORM
THREAD FORM PER AS 1722.1, BS 21, ISO 7-1,
DIN 3852-2 FORM C (MALE), DIN 3852-2 FORM Z (FEMALE)

BSPP IS BRITISH STANDARD PIPE PARALLEL
BSPO IS BRITISH STANDARD PIPE PARALLEL O-RING

THREAD FORM PER AS 1722.2, ISO 228 (THREAD TYPE), ISO 1179
THREAD FORM PER AS 1722.2, ISO 228 (THREAD TYPE),
ISO 8434-6, BS 5200

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BSPT male threads seal against threads of fixed BSPT female. Contact is made on the flanks of the threads. Use of a thread sealant is recommended for BSPT male to BSPT female connections.

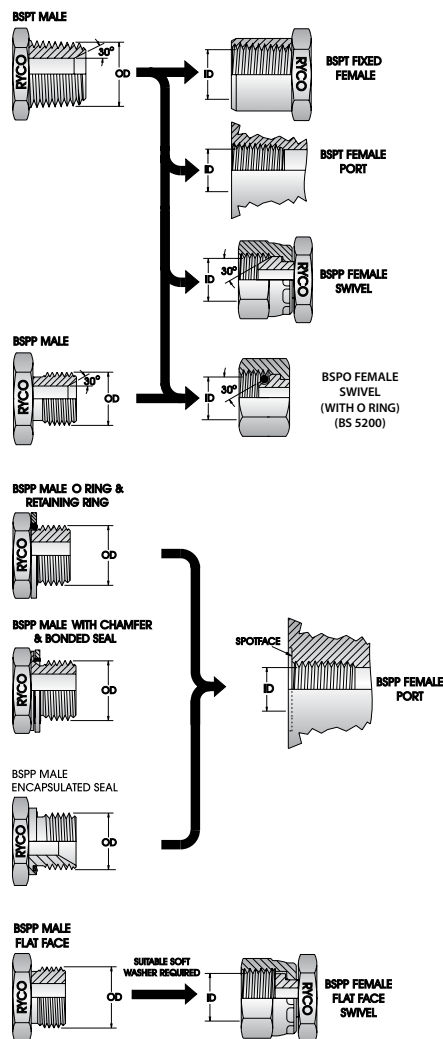
Measure the BSPT male thread OD and female thread ID at the first full thread near the end of the fitting.

BSPT male and BSPP male with conical 30° seat (60° included angle) seal against matching conical 30° seat of BSPP female swivel and BSPP female swivel with O Ring.

BSPO is BSPP O-Ring Female Swivel, and connects to BSPT male and BSPP male with conical 30° seat (60° included angle). Sealing is achieved against the matching conical 30° seat of BSPO female swivel, with the O Ring providing additional sealing capability.

BSPP O-Ring male connector has straight threads and O-Ring with metal Retaining Ring. It seals against flat external surface of BSPP female port. BSPP male, with chamfer to locate Bonded Seal also seals against flat external surface of BSPP female port.

Surface irregularities require a Spot Face to ensure effective sealing. Elbows and tees have Lock Nut to allow orientation of fitting to required direction.



BSPP male and BSPP female flat face swivel require a suitable soft washer between faces to seal.

For low working pressure.

BSPT & BSPP THREAD DIMENSIONS

| BSPT & BSPP SIZE & PITCH | DASH SIZE | BSPT MALE THREAD OD | | BSPP MALE THREAD OD | | BSPT FEMALE THREAD ID | | BSPP FEMALE THREAD ID | |
|--------------------------|-----------|---------------------|------|---------------------|------|-----------------------|------|-----------------------|------|
| | | mm | inch | mm | inch | mm | inch | mm | inch |
| 1/8 - 28 | -02 | 9,5 | 0.37 | 9,6 | 0.38 | 8,4 | 0.33 | 8,6 | 0.34 |
| 1/4 - 19 | -04 | 12,8 | 0.50 | 13,0 | 0.51 | 11,2 | 0.44 | 11,9 | 0.47 |
| 3/8 - 19 | -06 | 16,3 | 0.64 | 16,5 | 0.65 | 14,7 | 0.59 | 15,2 | 0.60 |
| 1/2 - 14 | -08 | 20,4 | 0.80 | 20,8 | 0.82 | 18,3 | 0.72 | 19,1 | 0.75 |
| 5/8 - 14 | -10 | 22,5 | 0.89 | 22,8 | 0.90 | 20,6 | 0.81 | 20,8 | 0.82 |
| 3/4 - 14 | -12 | 25,9 | 1.02 | 26,3 | 1.04 | 23,9 | 0.94 | 24,6 | 0.97 |
| 1 - 11 | -16 | 32,6 | 1.28 | 33,1 | 1.30 | 29,7 | 1.17 | 30,7 | 1.21 |
| 1.1/4 - 11 | -20 | 41,1 | 1.62 | 41,8 | 1.64 | 38,6 | 1.52 | 39,4 | 1.55 |
| 1.1/2 - 11 | -24 | 47,0 | 1.85 | 47,7 | 1.88 | 44,5 | 1.75 | 45,5 | 1.79 |
| 2 - 11 | -32 | 58,6 | 2.31 | 59,5 | 2.34 | 56,4 | 2.22 | 57,4 | 2.26 |
| 2.1/2 - 11 | -40 | 74,1 | 2.92 | 75,1 | 2.95 | 71,9 | 2.83 | 72,6 | 2.86 |
| 3 - 11 | -48 | 86,6 | 3.41 | 87,9 | 3.46 | 84,6 | 3.33 | 85,4 | 3.36 |

Thread size refers to the nominal bore of the pipe. Subtract approx. 1/4" (6 mm) from thread diameter measurement for nominal pipe size. Pitch is Threads Per Inch (TPI). "Gas", "R" & "G" also refer to BSP. "Male Iron (Pipe)" may be BSP or NPT.

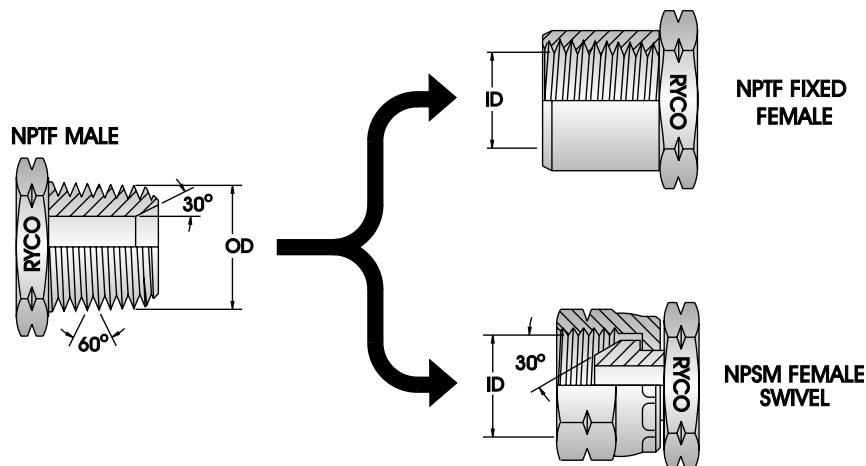
TECHNICAL

THREAD AND CONNECTOR IDENTIFICATION

NPT & NPS THREADS

| | | | |
|------|----|-----------------------------------|--|
| NPT | IS | NATIONAL PIPE TAPER (AMERICAN) | THREAD FORM PER ANSI/ASME B1.20.1 |
| NPS | IS | NATIONAL PIPE STRAIGHT (PARALLEL) | THREAD FORM PER ANSI/ASME B1.20.1 |
| NPTF | IS | NATIONAL PIPE TAPER FOR FUEL | THREAD FORM PER SAE J476a, ANSI/ASME B1.20.3 |
| NPSM | IS | NATIONAL PIPE STRAIGHT MECHANICAL | THREAD FORM PER ANSI/ASME B1.20.1, SAE J514 |

National Pipe threads are similar in function to BSP threads, but are not generally interchangeable. NPTF threads (also known as Dryseal) are an improvement to NPT. Controlled truncation of threads mean the metal-to-metal thread seal is at root and crest of threads, in addition to flanks of threads. Use of thread sealant is recommended for NPT male and NPT.



Measure NPT male thread OD and NPT female thread ID at first full thread near end of fitting.

NPT THREAD DIMENSIONS

| NPT THREAD SIZE & PITCH | DASH SIZE | MALE THREAD MINOR OD | | FEMALE THREAD ID | |
|-------------------------|-----------|----------------------|------|------------------|------|
| inch - TPI | | mm | inch | mm | inch |
| 1/8 - 27 | -02 | 9,9 | 0.39 | 8,4 | 0.33 |
| 1/4 - 18 | -04 | 13,2 | 0.52 | 11,2 | 0.44 |
| 3/8 - 18 | -06 | 16,6 | 0.65 | 14,7 | 0.58 |
| 1/2 - 14 | -08 | 20,6 | 0.81 | 17,8 | 0.70 |
| 3/4 - 14 | -12 | 26,0 | 1.02 | 23,4 | 0.92 |
| 1 - 11.1/2 | -16 | 32,5 | 1.28 | 29,5 | 1.16 |
| 1.1/4 - 11.1/2 | -20 | 41,2 | 1.62 | 38,1 | 1.50 |
| 1.1/2 - 11.1/2 | -24 | 47,3 | 1.86 | 43,9 | 1.73 |
| 2 - 11.1/2 | -32 | 59,3 | 2.33 | 56,4 | 2.22 |
| 2.1/2 - 8 | -40 | 71,5 | 2.82 | 69,1 | 2.72 |
| 3 - 8 | -48 | 87,3 | 3.44 | 84,8 | 3.34 |

NPSM THREAD DIMENSIONS

| NPSM THREAD SIZE | DASH SIZE | FEMALE THREAD ID | |
|------------------|-----------|------------------|------|
| inch - TPI | | mm | inch |
| 1/8 - 27 | -02 | 8,6 | 0.34 |
| 1/4 - 18 | -04 | 11,9 | 0.47 |
| 3/8 - 18 | -06 | 15,0 | 0.59 |
| 1/2 - 14 | -08 | 19,1 | 0.75 |
| 3/4 - 14 | -12 | 24,6 | 0.97 |
| 1 - 11.1/2 | -16 | 30,5 | 1.20 |
| 1.1/4 - 11.1/2 | -20 | 39,4 | 1.55 |
| 1.1/2 - 11.1/2 | -24 | 45,5 | 1.79 |
| 2 - 11.1/2 | -32 | 57,4 | 2.26 |
| 2.1/2 - 8 | -40 | 68,8 | 2.71 |
| 3 - 8 | -48 | 84,6 | 3.33 |

NOTE: Thread size refers to the nominal bore of the pipe.
 Subtract approximately 1/4" (6 mm) from thread measurement for nominal pipe size.
 Pitch is Threads Per Inch (TPI).

JSEAL™/ JIC 37° FLARE & UNO (O RING BOSS) THREADS

| | | |
|------------------|---------------------------------|-------------------------------|
| JSEAL™ IS | RYCO JSEAL™ | PROPRIETARY CONNECTION |
| JIC IS | JOINT INDUSTRIES COUNCIL | SAE J514, ISO 8434-2 |
| UN IS | UNIFIED NATIONAL | SAE J1926, ISO 11926-2 |

JIC & UNO (O RING BOSS) THREAD FORMS ARE THE SAME (ASME B1.1). METHOD OF SEALING DIFFERS.

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JSEAL™ is a RYCO proprietary connection that is fully interchangeable and backwards compatible with standard JIC connections.

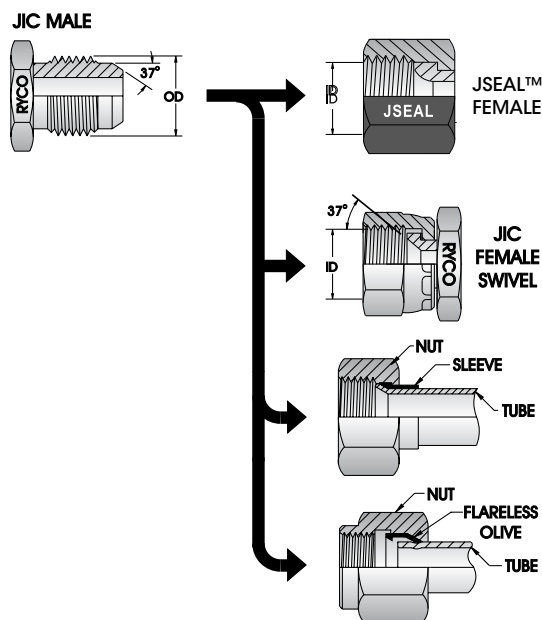
With a repositioned strike zone away from the male tip, JSEAL™ design drives unrivalled performance, eliminating sweating, cracking, and stretching, while simplifying installation.

The design of JSEAL™ features a convex female seat that is engineered to be used with any JIC Male connection.

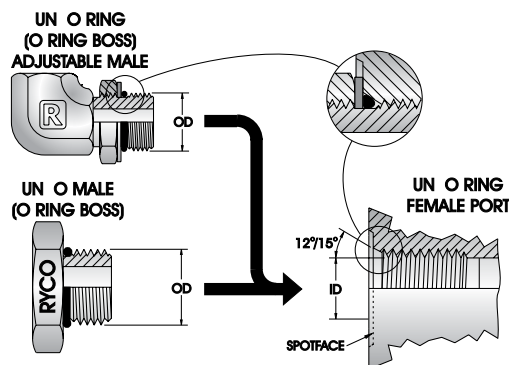
JIC male has 37° flare which seals against 37° seat in female.

JIC male can also seal against 37° flared tubing with JIC nut and sleeve.

JIC male can also be used with RYCO S134 J-Lok Female Nut and Flareless Olive on Imperial OD tubing.



UNO (O Ring Boss) seals with O Ring compressed between hex boss of UN male and 12°/15° tapered bore of UN (O Ring Boss) female port. For elbows and tees, Back up Washer and Lock Nut allow orientation of fitting to required direction.



JIC & UNO THREAD DIMENSIONS

| MALE THREAD OD & PITCH | DASH SIZE | MALE THREAD OD | | FEMALE THREAD ID | | TUBE SIZE |
|------------------------|-----------|----------------|------|------------------|------|-----------|
| inch - TPI | | mm | inch | mm | inch | inch |
| 5/16 - 24 UNF | -05 | 7,9 | 0.31 | 6,9 | 0.27 | 1/8 |
| 3/8 - 24 UNF | -06 | 9,5 | 0.38 | 8,5 | 0.33 | 3/16 |
| 7/16 - 20 UNF | -07 | 11,1 | 0.44 | 9,9 | 0.39 | 1/4 |
| 1/2 - 20 UNF | -08 | 12,7 | 0.50 | 11,4 | 0.45 | 5/16 |
| 9/16 - 18 UNF | -09 | 14,3 | 0.56 | 13,0 | 0.51 | 3/8 |
| 3/4 - 16 UNF | -12 | 19,1 | 0.75 | 17,5 | 0.69 | 1/2 |
| 7/8 - 14 UNF | -14 | 22,2 | 0.88 | 20,3 | 0.80 | 5/8 |
| 1.1/16 - 12 UN | -17 | 27,0 | 1.06 | 24,9 | 0.98 | 3/4 |
| 1.3/16 - 12 UN | -19 | 30,2 | 1.19 | 28,2 | 1.11 | 7/8 |
| 1.5/16 - 12 UN | -21 | 33,3 | 1.31 | 31,2 | 1.23 | 1 |
| 1.5/8 - 12 UN | -26 | 41,3 | 1.63 | 39,1 | 1.54 | 1.1/4 |
| 1.7/8 - 12 UN | -30 | 47,6 | 1.88 | 45,5 | 1.79 | 1.1/2 |
| 2.1/2 - 12 UN | -40 | 63,5 | 2.50 | 61,5 | 2.42 | 2 |

Thread size is actual measurement of male thread and pitch is Threads Per Inch (TPI).

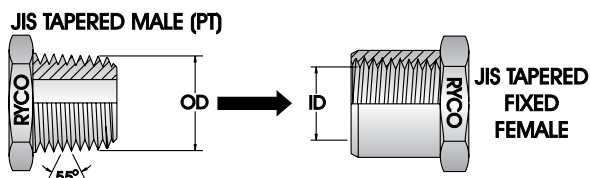
JIS THREADS

JIS IS JAPANESE INDUSTRIAL STANDARDS

There are four popular coupling styles in Japan.

1. JIS TAPERED PIPE THREAD.

Thread form per JIS B 0203 (identical to BSPT)

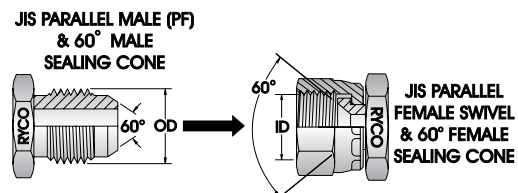


Refer to BSPT section for dimensions of threads.

- The Japanese tapered pipe thread connector is identical to and interchangeable with the BSPT (tapered) connector.
- The Japanese male thread does not have a 30° Flare, and will not mate with the BSPP female swivel with conical seat. The seal on the Japanese tapered pipe thread connector is made on the threads.
- Use of a thread sealant is recommended.

2. JIS 30° FLARE (FEMALE INTERNAL CONE SEAT).

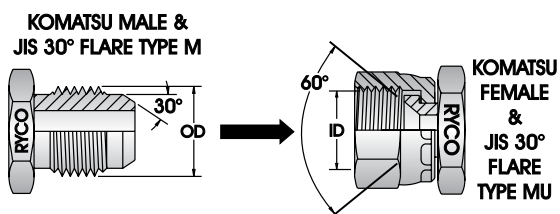
Thread form per JIS B 0202 (identical to BSPP)



Refer to BSPP section for dimensions of threads.

- This connection uses a 60° concave (inverted) seat and British Standard Pipe Parallel threads.
- They are not interchangeable with BSPP conical seat couplings, because the cone seats are opposite.

3. JIS 30° FLARE (FEMALE INTERNAL CONE SEAT).



Thread form per JIS B 0207

- Threads commonly used on Komatsu equipment (30° cone) have metric thread form. See table opposite.

4. KOMATSU® STYLE FLANGE FITTING JIS B 8363

- The Komatsu® style Flange fitting is nearly identical to, and fully interchangeable with, the SAE Code 61 flange fitting*.
- The O Ring dimensions are different between all sizes.
- When replacing a Komatsu® style flange with an SAE style flange, an SAE style O Ring must always be used.
- * 5/8" is not in the SAE Standards.

| MALE THREAD OD & PITCH | DASH SIZE | FEMALE THREAD ID | KOMATSU® | JIS B 8363 |
|------------------------|-----------|------------------|----------|------------|
| mm | | mm | | |
| M14 x 1,5 | -14 | 12,5 | ✓ | ✓ |
| M16 x 1,5 | -16 | 14,5 | ✓ | |
| M18 x 1,5 | -18 | 16,5 | ✓ | ✓ |
| M22 x 1,5 | -22 | 20,5 | ✓ | ✓ |
| M24 x 1,5 | -24 | 22,5 | ✓ | |
| M27 x 2,0 | -27 | 25,0 | | ✓ |
| M30 x 1,5 | -30 | 28,5 | ✓ | |
| M33 x 1,5 | -33 | 31,5 | ✓ | |
| M33 x 2,0 | -33 | 31,0 | | ✓ |
| M36 x 1,5 | -36 | 34,5 | ✓ | |
| M42 x 1,5 | -42 | 40,5 | ✓ | |
| M50 x 2,0 | -50 | 48,0 | | ✓ |
| M60 x 2,0 | -60 | 58,0 | | ✓ |

BSPT & BSPP THREAD DIMENSIONS

| BSPT & BSPP SIZE & PITCH | DASH SIZE | BSPT MALE THREAD OD | BSPP MALE THREAD OD | BSPT FEMALE THREAD ID | BSPP FEMALE THREAD ID |
|--------------------------|-----------|---------------------|---------------------|-----------------------|-----------------------|
| inch - TPI | | mm | inch | mm | inch |
| 1/8 - 28 | -02 | 9,5 | 0.37 | 9,6 | 0.38 |
| 1/4 - 19 | -04 | 12,8 | 0.50 | 13,0 | 0.51 |
| 3/8 - 19 | -06 | 16,3 | 0.64 | 16,5 | 0.65 |
| 1/2 - 14 | -08 | 20,4 | 0.80 | 20,8 | 0.82 |
| 5/8 - 14 | -10 | 22,5 | 0.89 | 22,8 | 0.90 |
| 3/4 - 14 | -12 | 25,9 | 1.02 | 26,3 | 1.04 |
| 1 - 11 | -16 | 32,6 | 1.28 | 33,1 | 1.30 |
| 1.1/4 - 11 | -20 | 41,1 | 1.62 | 41,8 | 1.64 |
| 1.1/2 - 11 | -24 | 47,0 | 1.85 | 47,7 | 1.88 |
| 2 - 11 | -32 | 58,6 | 2.31 | 59,5 | 2.34 |
| 2.1/2 - 11 | -40 | 74,1 | 2.92 | 75,1 | 2.95 |
| 3 - 11 | -48 | 86,6 | 3.41 | 87,9 | 3.46 |

Thread size refers to the nominal bore of the pipe. Subtract approx. 1/4" (6 mm) from thread diameter measurement for nominal pipe size.

Pitch is Threads Per Inch (TPI).

"Gas", "R" & "G" also refer to BSP. "Male Iron (Pipe)" may be BSP or NPT.

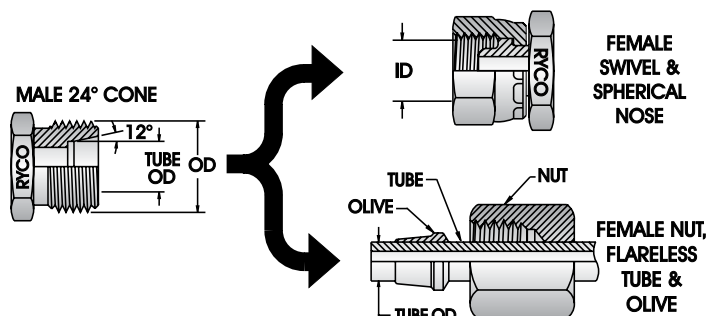
THREAD AND CONNECTOR IDENTIFICATION

METRIC FRENCH GAZ ALSO KNOWN AS METRIC FRENCH GAZ 24°

These seal on a 24° cone seat located internally on the male connector using straight fine metric threads. Metric French GAZ series uses fractional number metric OD tubing, as shown in the table. Metric French Millimetric series uses whole number metric OD tubing. The two series are not interconnectable.

The male will mate with a straight thread female swivel with spherical nose seat.

The same male also mates with flareless tube, Tube Nut and Compression Olive (Cutting Ring). Tightening of the female nut compresses the olive causing it cut into the tube, thereby forming a seal between the tube, olive and 24° male cone.



| MALE THREAD OD & PITCH | DASH SIZE | MALE THREAD OD | FEMALE THREAD ID | TUBE SIZE |
|------------------------|-----------|----------------|------------------|-----------|
| inch - TPI | | mm | inch | mm |
| M20 x 1,5 | -20 | 20,0 | 0.78 | 13,25 |
| M24 x 1,5 | -24 | 24,0 | 0.94 | 16,75 |
| M30 x 1,5 | -30 | 30,0 | 1.18 | 21,25 |
| M36 x 1,5 | -36 | 36,0 | 1.41 | 26,75 |
| M45 x 1,5 | -45 | 45,0 | 1.77 | 33,50 |
| M52 x 1,5 | -52 | 52,0 | 2.04 | 42,25 |

METRIC FRENCH MILLIMETRIC ALSO KNOWN AS METRIC MILLIMETRIC

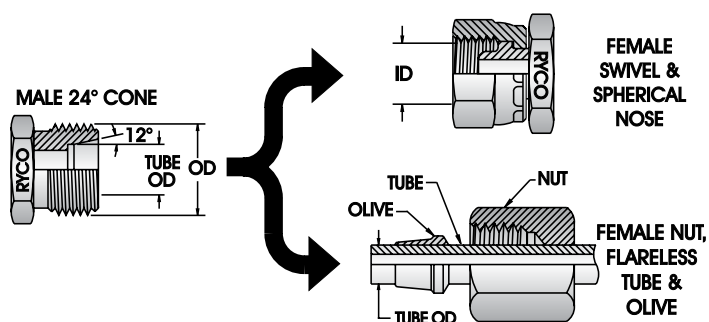
These seal on a 24° cone seat located internally on the male connector using straight fine metric threads.

Metric French GAZ series uses fractional number metric OD tubing, as shown in the table.

Metric French Millimetric series uses whole number metric OD tubing. The two series are not interconnectable.

The male will mate with a straight thread female swivel with spherical nose seat.

The same male also mates with flareless tube, Tube Nut and Compression Olive (Cutting Ring). Tightening of the female nut compresses the olive causing it cut into the tube, thereby forming a seal between the tube, olive and 24° male cone.



| MALE THREAD OD & PITCH | DASH SIZE | MALE THREAD OD | FEMALE THREAD ID | TUBE SIZE |
|------------------------|-----------|----------------|------------------|-----------|
| inch - TPI | | mm | inch | mm |
| M27 x 1,5 | -27 | 27,0 | 1.06 | 20 |
| M30 x 1,5 | -30 | 30,0 | 1.18 | 22 |
| M33 x 1,5 | -33 | 33,0 | 1.30 | 25 |
| M36 x 1,5 | -36 | 36,0 | 1.41 | 28 |
| M39 x 1,5 | -39 | 39,0 | 1.54 | 30 |
| M45 x 1,5 | -45 | 45,0 | 1.77 | 35 |

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THREAD AND CONNECTOR IDENTIFICATION

METRIC DIN THREADS

| DIN | IS | DEUTSCHE INDUSTRIE NORMEN (GERMAN INDUSTRIAL STANDARD) | THREAD FORM PER DIN 3853, ISO 261 24° CONE SEAT PER DIN 3861, ISO 8434-1/DIN 2353 O RING SEAL PER DIN 3865, BONDED SEAL AND PORT PER DIN 3852-1 |
|------|----|---|--|
| DKL | IS | DICHT KEGEL LEICHT | (METRIC LIGHT SERIES 24° CONE) |
| DKS | IS | DICHT KEGEL SCHWER | (METRIC HEAVY SERIES 24° CONE) |
| DKOL | IS | DICHT KEGEL O RING LEICHT | (METRIC LIGHT O RING SERIES 24° CONE) |
| DKOS | IS | DICHT KEGEL O RING SCHWER | (METRIC HEAVY O RING SERIES 24° CONE) |
| DKM | IS | DICHT KEGEL METRIC | (METRIC 60° CONE) |

This DIN connection comes in a Light Series (DKL/DKOL) and a Heavy Series (DKS/DKOS). Some thread sizes in each series are the same, but the Tube OD of the Heavy Series is smaller and has a thicker tube wall. Because the tube and sealing cone are different sizes, Light and Heavy Series are NOT interchangeable.

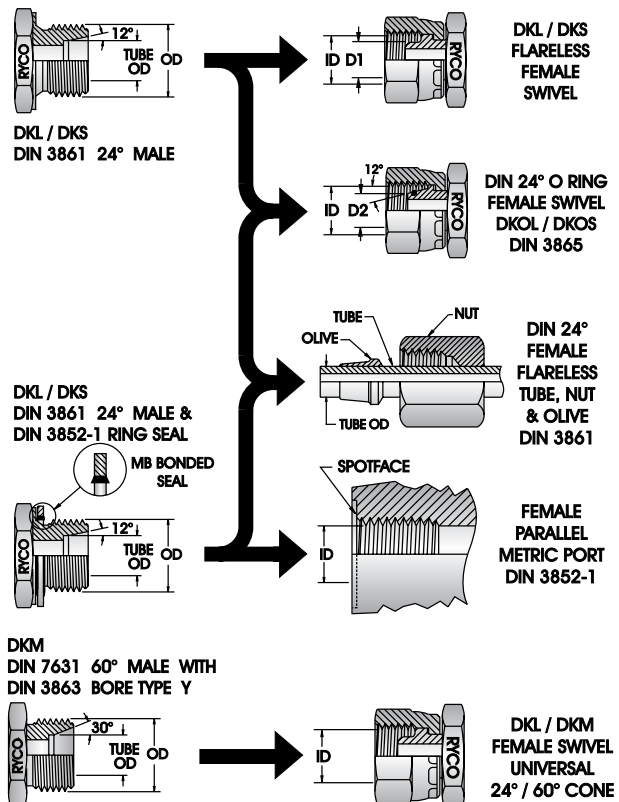
The DIN male 24° internal cone seat will seal with flareless female swivel fittings. These female fittings use either a spherical nose (DKL/DKS) or an O Ring seal (DKOL/DKOS) located on their outward facing 24° cone. Female DKL sizes up to and including M26 have a universal 24°/60° cone and can be used in place of female DKM fittings with 60° cone.

The same male also mates with the DIN system Metric Tube, Tube Nut and Compression Olive (Cutting Ring). Tightening of the female nut compresses the olive causing it to cut into the tube, thereby forming a seal between the tube, olive and 24° male cone.

The same male used with a metal Bonded Seal will mate with a DIN 3852-1 metric threaded port with spotface.

DKM 60° CONE SEAT

The DIN male 60° internal cone seat will mate with DKL/DKM female universal 24°/60° cone fittings up to and including size M26 and DKM female 60° cone fittings from size M30 up.



| MALE THREAD OD & PITCH | FEMALE THREAD ID | LIGHT SERIES - DKL/DKOL | | | | HEAVY SERIES - DKS/DKOS | | | |
|------------------------------|------------------------|-------------------------|---------|--------|--------|-------------------------|---------|--------|--------|
| | | DASH SIZE | TUBE OD | D1 DIA | D2 DIA | DASH SIZE | TUBE OD | D1 DIA | D2 DIA |
| mm | mm | | mm | mm | mm | | mm | mm | mm |
| M12 x 1,5 | 10,5 | -1215* | 6 | 7,5 | 6,3 | | | | |
| M14 x 1,5 | 12,5 | -1415* | 8 | 9,5 | 8,2 | -1415 | 6 | 7,5 | 6,3 |
| M16 x 1,5 | 14,5 | -1615* | 10 | 11,5 | 10,2 | -1615 | 8 | 9,5 | 7,9 |
| M18 x 1,5 | 16,5 | -1815* | 12 | 14,0 | 12,2 | -1815 | 10 | 12,0 | 10,0 |
| M20 x 1,5 | 18,5 | | | | | -2015 | 12 | 14,0 | 12,0 |
| M22 x 1,5 | 20,5 | -2215* | 15 | 17,0 | 15,2 | -2215 | 14 | 16,0 | 14,2 |
| M24 x 1,5 | 22,5 | | | | | -2415 | 16 | 18,0 | 15,8 |
| M26 x 1,5 | 24,5 | -2615* | 18 | 20,0 | 18,2 | | | | |
| M30 x 2,0 | 28,0 | -3020 | 22 | 24,5 | 22,2 | -3020 | 20 | 22,5 | 19,8 |
| M36 x 2,0 | 34,0 | -3620 | 28 | 30,5 | 28,2 | -3620 | 25 | 27,5 | 24,5 |
| M42 x 2,0 | 40,0 | | | | | -4220 | 30 | 33,0 | 30,0 |
| M45 x 2,0 | 43,0 | -4520 | 35 | 38,0 | 35,4 | | | | |
| M52 x 2,0 | 50,0 | -5220 | 42 | 45,0 | 42,4 | -5220 | 38 | 41,0 | 36,8 |

*These DKL Light Series Female Connections can be used in place of DKM Female.

NOTE: in above tables, pitch is included in DASH Size.

For HOSE COUPLINGS and most ADAPTORS, pitch is not included in the DASH Size.

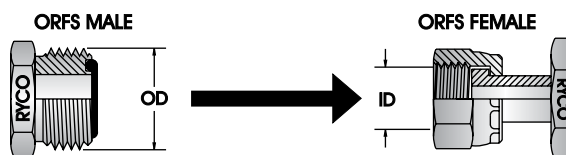
ORFS THREADS SAE J1453, ISO 8434-3

ORFS IS O RING FACE SEAL

ORFS system consists of ORFS Male with O Ring in Face, which seals against Flat Seated ORFS Female Swivel Nut fitting.

The Swivel Nut can be slipped back to help installation in tight situations.

The prominent position of the O Ring on the Male fitting makes it easy to inspect the condition of the O Ring.



| MALE THREAD OD & PITCH | DASH SIZE | MALE THREAD OD | | FEMALE THREAD ID | | TUBE SIZE |
|---------------------------|--------------|-------------------|------|---------------------|------|--------------|
| inch - TPI | | mm | inch | mm | inch | inch |
| 9/16 - 18 UNF | -09 | 14,3 | 0.56 | 12,9 | 0.51 | 1/4 |
| 11/16 - 16 UN | -11 | 17,3 | 0.68 | 16,0 | 0.63 | 3/8 |
| 13/16 - 16 UN | -13 | 20,6 | 0.81 | 19,1 | 0.75 | 1/2 |
| 1 - 14 UNS | -16 | 25,4 | 1.00 | 23,6 | 0.73 | 5/8 |
| 1.3/16 - 12 UN | -19 | 30,0 | 1.18 | 28,2 | 1.11 | 3/4 |
| 1.7/16 - 12 UN | -23 | 36,3 | 1.43 | 34,3 | 1.35 | 1 |
| 1.11/16 - 12 UN | -27 | 42,7 | 1.68 | 40,6 | 1.60 | 1.1/4 |
| 2 - 12 UN | -32 | 51,8 | 2.00 | 48,8 | 1.92 | 1.1/2 |

TECHNICAL

THREAD AND CONNECTOR IDENTIFICATION

SAE THREADS

SAE IS SOCIETY OF AUTOMOTIVE ENGINEERS

These fittings are commonly used in refrigeration, automotive and low pressure applications.

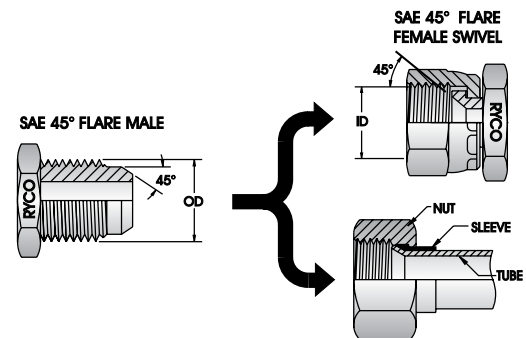
SAE 45° FLARE SAE J512

SAE male has 45° flare which seals against 45° seat in female.

Male can also seal against 45° flared tubing with nut and sleeve.

7/16 - 20, 1/2 - 20, 3/4 - 16 & 7/8 - 14 are the same thread form as JIC 37° flare. Some fittings in these sizes have both JIC 37° & SAE 45° seats.

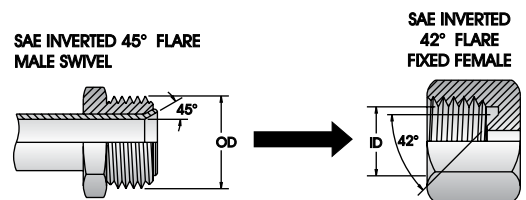
| MALE THREAD OD & PITCH | DASH SIZE | MALE THREAD OD | | FEMALE THREAD ID | | TUBE SIZE |
|------------------------|-----------|----------------|------|------------------|------|-----------|
| inch - TPI | | mm | inch | mm | inch | inch |
| 5/16 - 24 | -05 | 7,9 | 0.31 | 6,8 | 0.27 | 1/8 |
| 3/8 - 24 | -06 | 9,5 | 0.38 | 8,4 | 0.33 | 3/16 |
| 7/16 - 20 | -07 | 11,1 | 0.44 | 9,9 | 0.39 | 1/4 |
| 1/2 - 20 | -08 | 12,7 | 0.50 | 11,4 | 0.44 | 5/16 |
| 5/8 - 18 | -10 | 15,9 | 0.63 | 14,2 | 0.56 | 3/8 |
| 3/4 - 16 | -12 | 19,1 | 0.75 | 17,5 | 0.69 | 1/2 |
| 7/8 - 14 | -14 | 22,2 | 0.88 | 20,6 | 0.81 | 5/8 |
| 1.1/16 - 14 | -17 | 27,0 | 1.06 | 24,9 | 0.98 | 3/4 |



SAE 45° INVERTED FLARE

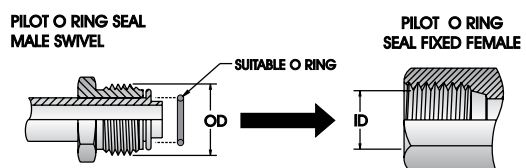
SAE J512

| MALE THREAD OD & PITCH | DASH SIZE | MALE THREAD OD | | FEMALE THREAD ID | | TUBE SIZE |
|------------------------|-----------|----------------|------|------------------|------|-----------|
| inch - TPI | | mm | inch | mm | inch | inch |
| 7/16 - 24 | -07 | 11,1 | 0.44 | 9,9 | 0.39 | 1/4 |
| 1/2 - 20 | -08 | 12,7 | 0.50 | 11,4 | 0.45 | 5/16 |
| 5/8 - 18 | -10 | 15,9 | 0.63 | 14,2 | 0.56 | 3/8 |
| 11/16 - 18 | -11 | 17,5 | 0.69 | 16,0 | 0.63 | 7/16 |



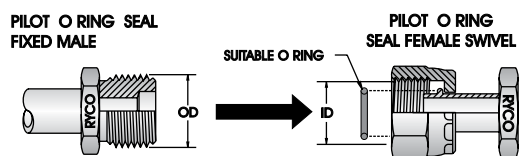
SAE PILOT O RING SEALS PILOT MALE SWIVEL

| MALE THREAD OD & PITCH | DASH SIZE | MALE THREAD OD | | FEMALE THREAD ID | | TUBE SIZE |
|------------------------|-----------|----------------|------|------------------|------|-----------|
| inch - TPI | | mm | inch | mm | inch | Dash |
| 5/8 - 18 | -10 | 15,9 | 0.63 | 14,2 | 0.56 | -6 |
| 3/4 - 18 | -12 | 19,0 | 0.75 | 17,8 | 0.70 | -8 |
| 7/8 - 18 | -14 | 22,2 | 0.88 | 20,6 | 0.81 | -10 |



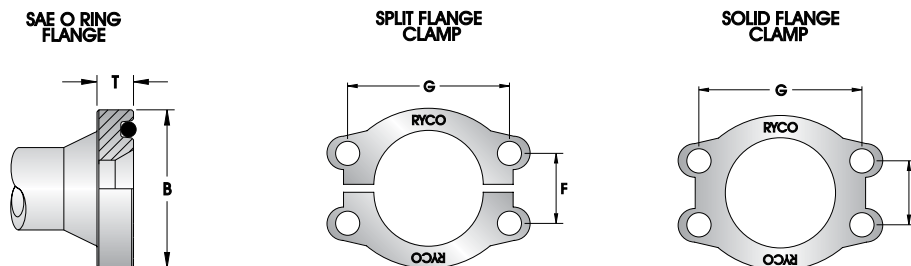
PILOT FEMALE SWIVEL

| MALE THREAD OD & PITCH | DASH SIZE | MALE THREAD OD | | FEMALE THREAD ID | | TUBE SIZE |
|------------------------|-----------|----------------|------|------------------|------|-----------|
| inch - TPI | | mm | inch | mm | inch | Dash |
| 5/8 - 18 | -10 | 15,9 | 0.63 | 14,2 | 0.56 | -6 |
| 3/4 - 16 | -12 | 19,0 | 0.75 | 17,5 | 0.69 | -8 |
| 7/8 - 14 | -14 | 22,2 | 0.88 | 20,6 | 0.81 | -10 |



THREAD AND CONNECTOR IDENTIFICATION

SAE O RING FLANGE - CODE 61 & CODE 62 SAE J518, ISO 6162
RYCO O RING FLANGE - CODE 62C



The male connector has a flange head with an O Ring groove on the face. The female can be a flange block or port with smooth face to accept the O Ring, and four threaded bolt holes in a rectangular pattern. The connection is held together using either a split or solid flange clamp, fitted over the male flange head and drawn up to the female port using the four bolts. This compresses the O Ring forming a seal between the male flange and the flat female port face.

SAE J518, DIN 20066, ISO/DIS 6162 and JIS B 8363 are all interchangeable, except for bolt sizes.

| NOM. FLANGE SIZE | DASH SIZE | BØ | | T | | F | | G | | PORT THREAD & BOLT LENGTH | | | |
|----------------------|-----------|-------|------|-------|-------|------|------|-------|------|---------------------------|-------------|------------|------|
| | | mm | inch | mm | inch | mm | inch | mm | inch | PORT | BOLT LENGTH | PORT | BOLT |
| inch | | mm | inch | mm | inch | mm | inch | mm | inch | UNC | inch | METRIC | mm |
| CODE 61 | | | | | | | | | | | | | |
| 1/2 | -08 | 30,2 | 1.19 | 6,73 | 0.265 | 17,5 | 0.69 | 38,1 | 1.50 | 5/16 - 18 | 1.1/4 | M8 x 1,25 | 35 |
| *5/8 | -10 | 34,0 | 1.34 | 6,73 | 0.265 | 19,8 | 0.78 | 42,9 | 1.69 | 5/16 - 18 | 1.1/4 | M8 x 1,25 | 35 |
| 3/4 | -12 | 38,1 | 1.50 | 6,73 | 0.265 | 22,2 | 0.88 | 47,6 | 1.88 | 3/8 - 16 | 1.1/4 | M10 x 1,5 | 35 |
| 1 | -16 | 44,5 | 1.75 | 8,00 | 0.315 | 26,2 | 1.03 | 52,4 | 2.06 | 3/8 - 16 | 1.1/4 | M10 x 1,5 | 35 |
| 1.1/4 | -20 | 50,8 | 2.00 | 8,00 | 0.315 | 30,2 | 1.19 | 58,7 | 2.31 | 7/16 - 14 | 1.1/2 | M10 x 1,5 | 40 |
| 1.1/2 | -24 | 60,3 | 2.38 | 8,00 | 0.315 | 35,7 | 1.41 | 69,8 | 2.75 | 1/2 - 13 | 1.1/2 | M12 x 1,75 | 45 |
| 2 | -32 | 71,4 | 2.81 | 9,53 | 0.375 | 42,9 | 1.69 | 77,8 | 3.06 | 1/2 - 13 | 1.1/2 | M12 x 1,75 | 45 |
| 2.1/2 | -40 | 84,1 | 3.31 | 9,53 | 0.375 | 50,8 | 2.00 | 88,9 | 3.50 | 1/2 - 13 | 1.3/4 | M12 x 1,75 | 45 |
| 3 | -48 | 101,6 | 4.00 | 9,53 | 0.375 | 61,9 | 2.44 | 106,4 | 4.19 | 5/8 - 11 | 1.3/4 | M16 x 2,0 | 45 |
| CODE 62 | | | | | | | | | | | | | |
| 1/2 | -08 | 31,7 | 1.25 | 7,75 | 0.305 | 18,2 | 0.72 | 40,5 | 1.59 | 5/16 - 18 | 1.1/4 | M8 x 1,25 | 35 |
| 3/4 | -12 | 41,3 | 1.63 | 8,76 | 0.345 | 23,8 | 0.94 | 50,8 | 2.00 | 3/8 - 16 | 1.1/2 | M10 x 1,5 | 40 |
| 1 | -16 | 47,6 | 1.88 | 9,53 | 0.375 | 27,8 | 1.09 | 57,2 | 2.25 | 7/16 - 14 | 1.3/4 | M12 x 1,75 | 45 |
| 1.1/4 | -20 | 54,0 | 2.12 | 10,29 | 0.405 | 31,8 | 1.25 | 66,7 | 2.63 | 1/2 - 13 | 1.3/4 | M14 x 2,0 | 45 |
| 1.1/2 | -24 | 63,5 | 2.50 | 12,57 | 0.495 | 36,5 | 1.44 | 79,4 | 3.13 | 5/8 - 11 | 2.1/4 | M16 x 2,0 | 60 |
| 2 | -32 | 79,4 | 3.13 | 12,57 | 0.495 | 44,5 | 1.75 | 96,8 | 3.81 | 3/4 - 10 | 2.3/4 | M20 x 2,5 | 70 |
| RYCO CODE 62C | | | | | | | | | | | | | |
| 3/4 | -12 | 41,3 | 1.63 | 14,20 | 0.559 | 23,8 | 0.94 | 50,8 | 2.00 | 3/8 - 16 | 1.3/4 | M10 x 1,5 | 45 |
| 1 | -16 | 47,6 | 1.88 | 14,20 | 0.559 | 27,8 | 1.09 | 57,2 | 2.25 | 7/16 - 14 | 1.3/4 | M12 x 1,75 | 45 |
| 1.1/4 | -20 | 54,0 | 2.12 | 14,20 | 0.559 | 31,8 | 1.25 | 66,7 | 2.63 | 1/2 - 13 | 2 | M14 x 2,0 | 50 |
| 1.1/2 | -24 | 63,5 | 2.5 | 14,20 | 0.559 | 36,5 | 1.44 | 79,4 | 3.13 | 5/8 - 11 | 2.1/2 | M16 x 2,0 | 60 |
| 2 | -32 | 79,4 | 3.13 | 14,20 | 0.559 | 44,5 | 1.75 | 96,8 | 3.81 | 3/4 - 10 | 2.3/4 | M20 x 2,5 | 70 |

RYCO Code 62C fittings conform to the flange OD and bolt hole patterns of SAE Code 62 but require special flange clamp halves.

The RYCO Code 62C flange heads are thicker than SAE Code 62 and measure T = 14,2 mm (0.559") in all sizes.

RYCO Code 62C flanges have similar dimensions to the Caterpillar XT-5 and XT-6 range of flanges.

Cat™ Caterpillar®, XT-5™, XT-6™ Caterpillar®.

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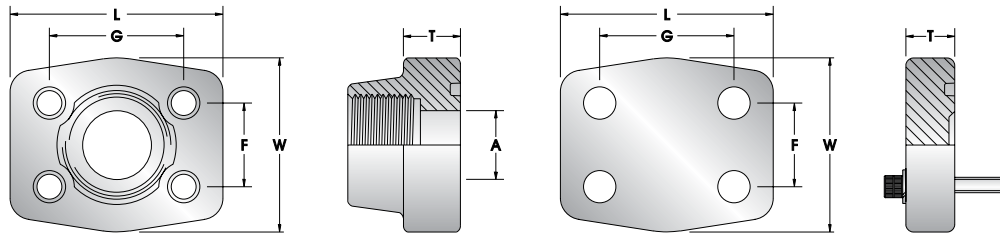
TECHNICAL

TECHNICAL

THREAD AND CONNECTOR IDENTIFICATION

SAE O RING FLANGE BLOCKS - CODE 61 & CODE 62

SAE J518, ISO 6162



| NOM. FLANGE SIZE | DASH SIZE | L | | W | | F | | G | | A | | T EXCEPT BLIND FLANGES | | T BLIND FLANGES S967/S968 | |
|------------------|-----------|-----|------|-----|------|------|------|------|------|----|------|------------------------|------|---------------------------|------|
| | | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch |
| CODE 61 | | | | | | | | | | | | | | | |
| 1/2 | -08 | 56 | 2.20 | 48 | 1.89 | 17,5 | 0.69 | 38,1 | 1.50 | 13 | 0.51 | 16 | 0.63 | 16 | 0.63 |
| 3/4 | -12 | 65 | 2.56 | 50 | 1.97 | 22,2 | 0.88 | 47,6 | 1.88 | 19 | 0.75 | 18 | 0.71 | 16 | 0.63 |
| 1 | -16 | 70 | 2.76 | 60 | 2.36 | 26,2 | 1.03 | 52,4 | 2.06 | 25 | 0.98 | 18 | 0.71 | 19 | 0.75 |
| 1.1/4 | -20 | 79 | 3.11 | 68 | 2.68 | 30,2 | 1.19 | 58,7 | 2.31 | 32 | 1.26 | 21 | 0.83 | 18 | 0.71 |
| 1.1/2 | -24 | 93 | 3.66 | 78 | 3.07 | 35,7 | 1.41 | 69,8 | 3.06 | 38 | 1.50 | 25 | 0.98 | 20 | 0.79 |
| 2 | -32 | 102 | 4.02 | 90 | 3.54 | 42,9 | 1.69 | 77,8 | 3.50 | 51 | 2.01 | 25 | 0.98 | 20 | 0.79 |
| CODE 62 | | | | | | | | | | | | | | | |
| 3/4 | -12 | 71 | 2.80 | 60 | 2.36 | 23,8 | 0.94 | 50,8 | 2.00 | 19 | 0.75 | 21 | 0.83 | 19 | 0.75 |
| 1 | -16 | 81 | 3.19 | 70 | 2.76 | 27,8 | 1.09 | 57,2 | 2.25 | 25 | 0.98 | 25 | 0.98 | 24 | 0.94 |
| 1.1/4 | -20 | 95 | 3.74 | 78 | 3.07 | 31,8 | 1.25 | 66,7 | 2.63 | 32 | 1.26 | 27 | 1.06 | 27 | 1.06 |
| 1.1/2 | -24 | 112 | 4.41 | 94 | 3.70 | 36,5 | 1.44 | 79,4 | 3.13 | 38 | 1.50 | 30 | 1.18 | 30 | 1.18 |
| 2 | -32 | 134 | 5.28 | 114 | 4.49 | 44,5 | 1.75 | 96,8 | 3.81 | 51 | 2.01 | 37 | 1.46 | 28 | 1.10 |

| NOM. FLANGE SIZE | DASH SIZE | SOCKET HEAD CAP SCREW (THREAD X LENGTH) | |
|------------------|-----------|---|---------------|
| | | UNC x inch | METRIC x mm |
| CODE 61 | | | |
| 1/2 | -08 | 5/16 - 18 x 1.1/4 | M8x1,25 X 30 |
| 3/4 | -12 | 3/8 - 16 x 1.1/2 | M10x1,5 X 35 |
| 1 | -16 | 3/8 - 16 x 1.1/2 | M10x1,5 X 35 |
| 1.1/4 | -20 | 7/16 - 14 x 1.3/4 | M10x1,5 X 40 |
| 1.1/2 | -24 | 1/2 - 13 x 1.3/4 | M12x1,75 X 45 |
| 2 | -32 | 1/2 - 13 x 1.3/4 | M12x1,75 X 45 |
| CODE 62 | | | |
| 3/4 | -12 | 3/8 - 16 x 1.1/2 | M10x1,5 X 40 |
| 1 | -16 | 7/16 - 14 x 1.3/4 | M12x1,75 X 45 |
| 1.1/4 | -20 | 1/2 - 13 x 1.3/4 | M14x2,0 X 45 |
| 1.1/2 | -24 | 5/8 - 11 x 2 | M16x2,0 X 50 |
| 2 | -32 | 3/4 - 10 x 2.1/2 | M20x2,5 X 70 |

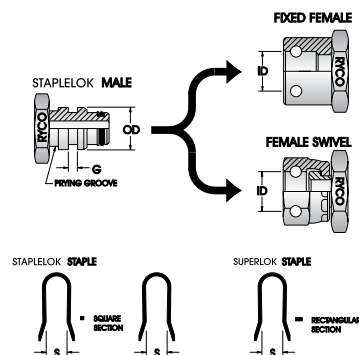
THREAD AND CONNECTOR IDENTIFICATION

RYCOLOK SAE J1467

SUPERLOK

RYCOLOK ARE ALSO CALLED CLIP FASTENER & STAPLE

The RYCOLOK male connector uses an O Ring and back up washer, and seals on the smooth bore of the female. The connection is held together by the staple. The male staple groove (G) aligns with the drilled holes of the female allowing the staple to be inserted. RYCOLOK and SUPERLOK use different width staples and are therefore NOT interchangeable.



| NOMINAL SIZE | | | NOM. MALE OD & FEMALE ID | | RYCOLOK STAPLE SIZE | | | | SUPERLOK STAPLE SIZE | | | |
|--------------|-------|------|--------------------------|------|---------------------|------|----|------|----------------------|------|----|------|
| DN | inch | Dash | mm | inch | G | G | S | S | G | G | S | S |
| 6 | 1/4 | -06 | 15 | 0.59 | 5,1 | 0.2 | 8 | 0.31 | - | - | - | - |
| 10 | 3/8 | -10 | 20 | 0.79 | 5,1 | 0.2 | 13 | 0.51 | - | - | - | - |
| 12 | 1/2 | -13 | 24 | 0.94 | 5,1 | 0.2 | 17 | 0.67 | - | - | - | - |
| 16 | 5/8 | -16 | 26 | 1.02 | 5,1 | 0.2 | 19 | 0.75 | - | - | - | - |
| 19 | 3/4 | -20 | 29 | 1.14 | 5,1 | 0.2 | 22 | 0.87 | 9 | 0.35 | 22 | 0.87 |
| 25 | 1 | -25 | 39 | 1.53 | 7,1 | 0.28 | 29 | 1.14 | 13 | 0.51 | 29 | 1.14 |
| 31 | 1.1/4 | -32 | 46 | 1.81 | 7,1 | 0.28 | 36 | 1.42 | 13 | 0.51 | 36 | 1.42 |
| 38 | 1.1/2 | -40 | 55 | 2.16 | 7,1 | 0.28 | 45 | 1.77 | 13 | 0.51 | 45 | 1.77 |
| 51 | 2 | -50 | 64 | 2.52 | 7,1 | 0.28 | 54 | 2.13 | 13 | 0.51 | 54 | 2.13 |

INTRODUCTION

HOSE

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TECHNICAL

RYCO WEO CARTRIDGE & CARTRIDGE PORT SPECIFICATIONS

| PLUG-IN SIZE | | | TO SUIT RYCO WEO CARTRIDGE | A | B | C | D | E | F | G | H | J | K | L | ASSEMBLY TORQUE |
|--------------|------|------|----------------------------|----------------|----------------|----------------|--------------|---------|------------|--------------|---------------|---------------|----------------|-----|-----------------|
| DN | Dash | inch | PART No | mm | mm | mm | mm | thread | mm | mm | mm | mm | mm | mm | Nm |
| 6 | -04 | 1/4 | RW800-04 | 10.03 +0.08 | 12.75 +0.10 | 16.55 +0.07 | 17.0 +0.1 | M18x1,0 | 8.5 +1 | 1.1 -0.1 | 10.65 +0.1 | 14.15 +0.2 | 19.65 +0.15 | 0.2 | 25-35 |
| 10 | -06 | 3/8 | RW800-06 | 13.03 +0.08 | 16.95 +0.15 | 20.55 +0.07 | 21.0 +0.1 | M22x1,0 | 8.7 +1 | 1.15 -0.1 | 11.1 +0.1 | 15.5 +0.2 | 21.95 +0.15 | 0.2 | 30-40 |
| 12 | -08 | 1/2 | RW800-08 | 16.03 +0.08 | 19.95 +0.15 | 23.55 +0.07 | 24.0 +0.1 | M25x1,0 | 8.7 +1 | 1.25 -0.1 | 11.3 +0.1 | 15.7 +0.2 | 22.15 +0.15 | 0.3 | 40-50 |
| 19 | -12 | 3/4 | RW800-12 | 23.03 +0.08 | 27.95 +0.15 | 31.05 +0.07 | 31.5 +0.1 | M33x1,5 | 11.5 +1 | 1.7 -0.1 | 16.5 +0.1 | 21.4 +0.2 | 31.35 +0.15 | 0.3 | 70-80 |

AVAILABLE RYCO WEO CARTRIDGE SIZES:

DN6 (1/4") RW800-04
 DN10 (3/8") RW800-06
 DN12 (1/2") RW800-08
 DN19 (3/4") RW800-12

WORKING PRESSURE:

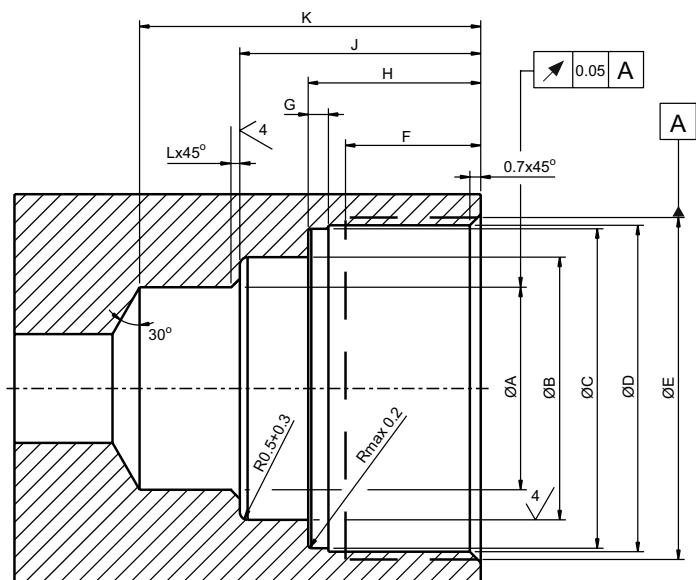
DN6 to DN19 (1/4" to 3/4")
 350 bar (5,100 psi)

MINIMUM BURST PRESSURE:

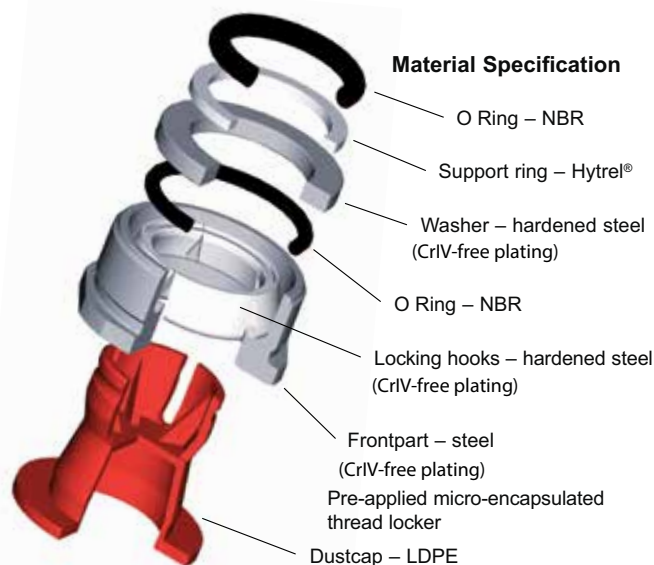
DN6 to DN19 (1/4" to 3/4")
 1400 bar (20,400 psi)

TEMPERATURE RANGE:

-30°C to +100°C (-22°F to 212°F)



Sharp edges to be deburred 0.05-0.20 mm
 Dimension in millimeters



TORQUE ASSEMBLY VALUES

The Torque Values shown are for guidance only and are based on normal industrial applications. The Torque Values shown are for plated carbon steel fittings.

NM = NEWTON METRES

KG.M = KILOGRAM METRES

FT.LBF = FOOT POUNDS FORCE

| TO CONVERT | » INTO » | MULTIPLY BY |
|------------|----------|-------------|
| Nm | ft.lbf | 0.737 |
| Nm | kg.m | 0.102 |
| ft.lbf | Nm | 1.357 |
| ft.lbf | kg.m | 0.138 |
| kg.m | Nm | 9.804 |
| kg.m | ft.lbf | 7.231 |

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TECHNICAL

BSPP & BSPO

| BSPP SIZE | DASH SIZE | BSPP / BSPO SWIVEL NUT | | BSP ENCAPSULATED SEAL | | BSP BONDED SEAL | | | |
|-----------|-----------|------------------------|---------|------------------------------|---------|-----------------------------|---------|-------------------------------------|---------|
| | | TORQUE RANGE | | SAE RECOMMENDED TORQUE RANGE | | RECOMMENDED TORQUE (SINGLE) | | RECOMMENDED TORQUE (TANDEM SEALING) | |
| | | Nm | ft.lbf | Nm | ft.lbf | Nm | ft.lbf | Nm | ft.lbf |
| 1/8 | -02 | 11-12 | 8-9 | 35-39 | 26-28 | 25-28 | 18-20 | 40-45 | 29-32 |
| 1/4 | -04 | 25-28 | 18-20 | 60-66 | 44-49 | 51-55 | 37-40 | 67-72 | 49-52 |
| 3/8 | -06 | 41-48 | 30-35 | 95-105 | 70-77 | 80-89 | 59-65 | 104-116 | 77-85 |
| 1/2 | -08 | 72-82 | 55-60 | 130-143 | 96-105 | 99-105 | 73-77 | 119-126 | 88-93 |
| 5/8 | -10 | 96-110 | 70-80 | 180-198 | 133-146 | 136-146 | 100-107 | 150-161 | 110-118 |
| 3/4 | -12 | 124-137 | 90-100 | 200-220 | 147-162 | 220-230 | 162-169 | 242-253 | 179-186 |
| 1 | -16 | 151-165 | 110-120 | 450-495 | 332-365 | 371-407 | 273-300 | 409-448 | 301-330 |
| 1.1/4 | -20 | 192-206 | 140-150 | 500-550 | 369-405 | 501-510 | 369-376 | 527-536 | 388-395 |
| 1.1/2 | -24 | 261-275 | 190-200 | 600-660 | 442-486 | 601-611 | 443-450 | 632-642 | 466-473 |
| 2 | -32 | 343-357 | 250-260 | 700-770 | 516-567 | 746-756 | 550-557 | 784-794 | 578-585 |

*2" (-32) sizes of BSP Encapsulated Seal use an O-Ring seal.

METRIC

| 24°, 60° & UNIVERSAL INVERTED CONE | | | | | BONDED SEAL | | | | | |
|------------------------------------|----------------------|----------------------|-------------------------|---------|-------------|-----------|-----------------------------|---------|-------------------------------------|---------|
| THREAD SIZE | TUBE DIA. S-HEAVY mm | TUBE DIA. L-LIGHT mm | SWIVEL NUT TORQUE RANGE | | THREAD SIZE | DASH SIZE | RECOMMENDED TORQUE (SINGLE) | | RECOMMENDED TORQUE (TANDEM SEALING) | |
| | | | Nm | ft.lbf | | | Nm | ft.lbf | Nm | ft.lbf |
| M12 x 1,5 | | 6 | 10-20 | 7-15 | M10 | -10 | 53-59 | 39-43 | 85-95 | 63-69 |
| M14 x 1,5 | 6 | 8 | 20-35 | 15-26 | M12 | -12 | 55-60 | 40-44 | 88-96 | 64-71 |
| M16 x 1,5 | 8 | 10 | 25-40 | 18-30 | M14 | -14 | 72-79 | 53-58 | 101-111 | 75-82 |
| M18 x 1,5 | 10 | 12 | 30-45 | 22-33 | M16 | -16 | 80-89 | 59-65 | 104-116 | 77-85 |
| M20 x 1,5 | 12 | | 35-50 | 26-37 | M18 | -18 | 82-90 | 60-66 | 107-117 | 78-86 |
| M22 x 1,5 | 14 | 15 | 40-70 | 30-52 | M20 | -20 | 99-109 | 73-80 | 119-131 | 88-96 |
| M24 x 1,5 | 16 | | 40-70 | 30-52 | M22 | -22 | 136-150 | 100-110 | 157-173 | 115-127 |
| M26 x 1,5 | | 18 | 60-100 | 44-74 | M24 | -24 | 147-162 | 108-119 | 170-187 | 125-137 |
| M30 x 2,0 | 20 | 22 | 80-120 | 59-89 | M26 | -26 | 171-182 | 126-134 | 189-201 | 139-148 |
| M36 x 2,0 | 25 | 28 | 100-150 | 74-111 | M27 | -27 | 220-235 | 162-173 | 242-259 | 179-191 |
| M42 x 2,0 | 30 | | 150-220 | 111-163 | M30 | -30 | 270-287 | 199-211 | 297-316 | 219-233 |
| M45 x 2,0 | | 35 | 180-250 | 133-184 | M33 | -33 | 371-392 | 273-289 | 409-432 | 301-318 |
| M52 x 2,0 | 38 | 42 | 200-300 | 148-221 | M36 | -36 | 390-398 | 287-293 | 429-438 | 316-323 |
| | | | | | M42 | -42 | 405-413 | 298-304 | 446-455 | 328-335 |
| | | | | | M48 | -48 | 501-510 | 369-376 | 552-561 | 406-414 |

TECHNICAL

TORQUE ASSEMBLY VALUES

JSEAL™

| JSEAL™ THREAD SIZE | DASH SIZE | SAE RECOMMENDED NUT TORQUE VALUE | |
|-----------------------|--------------|-------------------------------------|--------|
| | | Nm | ft.lbf |
| 7/16 - 20 | -07 | 23 | 17 |
| 1/2 - 20 | -08 | 30 | 22 |
| 9/16 - 18 | -09 | 39 | 29 |
| 3/4 - 16 | -12 | 77 | 57 |
| 7/8 - 14 | -14 | 142 | 105 |
| 1.1/16 - 12 | -17 | 198 | 146 |
| 1.3/16 - 12 | -19 | 235 | 173 |
| 1.5/16 - 12 | -21 | 263 | 194 |
| 1.5/8 - 12 | -26 | 309 | 228 |
| 1.7/8 - 12 | -30 | 386 | 285 |
| 2.1/2 - 12 | -40 | 597 | 440 |

JIC 37° & SAE 45° (MACHINED OR FLARED)

| JIC/SAE THREAD SIZE | DASH SIZE | SAE RECOMMENDED SWIVEL NUT TORQUE RANGE | |
|------------------------|--------------|--|---------|
| | | Nm | ft.lbf |
| 5/16 - 24 | -05 | 8-9 | 6-7 |
| 3/8 - 24 | -06 | 11-12 | 8-9 |
| 7/16 - 20 | -07 | 15-16 | 11-12 |
| 1/2 - 20 | -08 | 19-21 | 14-15 |
| 9/16 - 18 | -09 | 24-28 | 18-20 |
| 3/4 - 16 | -12 | 49-53 | 36-39 |
| 7/8 - 14 | -14 | 77-85 | 57-63 |
| 1.1/16 - 12 | -17 | 107-119 | 79-88 |
| 1.3/16 - 12 | -19 | 127-140 | 94-103 |
| 1.5/16 - 12 | -21 | 147-154 | 108-113 |
| 1.5/8 - 12 | -26 | 172-181 | 127-133 |
| 1.7/8 - 12 | -30 | 215-226 | 158-167 |
| 2.1/2 - 12 | -40 | 332-350 | 245-258 |

SAE FLANGE CLAMP BOLTS CODE 61 & 62

| BOLT DATA UN CLASS 2A (THREAD X LENGTH) | FLANGE DASH SIZE | SAE RECOMMENDED BOLT TORQUE RANGE | |
|---|------------------------|--------------------------------------|---------|
| | | Nm | ft.lbf |
| CODE 61 | | | |
| 5/16 - 18 X 1.1/4 | -08 | 20-25 | 15-18 |
| 3/8 - 16 X 1.1/4 | -12 | 28-40 | 21-29 |
| 3/8 - 16 X 1.1/4 | -16 | 37-48 | 27-35 |
| 7/16 - 14 X 1.1/2 | -20 | 48-62 | 35-46 |
| 1/2 - 13 X 1.1/2 | -24 | 62-79 | 46-58 |
| 1/2 - 13 X 1.1/2 | -32 | 73-90 | 54-66 |
| 1/2 - 13 X 1.3/4 | -40 | 107-124 | 79-91 |
| 5/8 - 11 x 1.3/4 | -48 | 186-203 | 138-150 |

| CODE 62 | | | |
|-------------------|-----|---------|---------|
| 5/16 - 18 X 1.1/4 | -08 | 20-25 | 15-18 |
| 3/8 - 16 X 1.1/2 | -12 | 34-45 | 25-33 |
| 7/16 - 14 X 1.3/4 | -16 | 56-68 | 41-50 |
| 1/2 - 13 X 1.3/4 | -20 | 85-102 | 63-75 |
| 5/8 - 11 X 2.1/4 | -24 | 158-181 | 116-133 |
| 3/4 - 10 X 2.3/4 | -32 | 271-294 | 200-217 |

UNO (O RING BOSS)

| UNO THREAD SIZE | DASH SIZE | SAE RECOMMENDED STRAIGHT FITTING OR LOCK NUT TORQUE RANGE | |
|--------------------|--------------|---|---------|
| | | Nm | ft.lbf |
| 3/8 - 24 | -06 | 11-13 | 8-10 |
| 7/16 - 20 | -07 | 20-22 | 14-16 |
| 1/2 - 20 | -08 | 24-27 | 18-20 |
| 9/16 - 18 | -09 | 33-35 | 24-26 |
| 3/4 - 16 | -12 | 68-78 | 50-60 |
| 7/8 - 14 | -14 | 98-110 | 72-82 |
| 1.1/16 - 12 | -17 | 170-183 | 125-135 |
| 1.3/16 - 12 | -19 | 230-260 | 170-190 |
| 1.5/16 - 12 | -21 | 270-300 | 200-220 |
| 1.5/8 - 12 | -26 | 285-380 | 210-280 |
| 1.7/8 - 12 | -30 | 370-490 | 270-360 |

ORFS

| ORFS THREAD SIZE | DASH SIZE | SAE RECOMMENDED SWIVEL NUT TORQUE RANGE | |
|---------------------|--------------|--|---------|
| | | Nm | ft.lbf |
| 9/16 - 18 | -09 | 14-16 | 10-12 |
| 11/16 - 16 | -11 | 24-27 | 18-20 |
| 13/16 - 16 | -13 | 43-47 | 32-35 |
| 1 - 14 | -16 | 60-68 | 46-50 |
| 1.3/16 - 12 | -19 | 90-95 | 65-70 |
| 1.7/16 - 12 | -23 | 125-135 | 92-100 |
| 1.11/16 - 12 | -27 | 170-190 | 125-140 |
| 2-12 | -32 | 200-225 | 150-165 |

SAE FLANGE BLOCK BOLTS CODE 61 & 62

| BOLT DATA UN CLASS 2B (THREAD X LENGTH) | FLANGE DASH SIZE | RECOMMENDED BOLT TORQUE RANGE | |
|---|------------------------|----------------------------------|--------|
| | | Nm | ft.lbf |
| CODE 61 | | | |
| 5/16 - 18 X 1.1/4 | -08 | 20-25 | 15-18 |
| 3/8 - 16 X 1.1/2 | -12 | 28-40 | 21-29 |
| 3/8 - 16 X 1.1/2 | -16 | 37-48 | 27-35 |
| 7/16 - 14 X 1.3/4 | -20 | 48-62 | 35-46 |
| 1/2 - 13 X 1.3/4 | -24 | 62-79 | 46-58 |
| 1/2 - 13 X 1.3/4 | -32 | 73-90 | 54-66 |

| CODE 62 | | | |
|-------------------|-----|---------|---------|
| 3/8 - 16 X 1.1/2 | -12 | 34-45 | 25-33 |
| 7/16 - 14 X 1.3/4 | -16 | 56-68 | 41-50 |
| 1/2 - 13 X 1.3/4 | -20 | 85-102 | 63-75 |
| 5/8 - 11 X 2 | -24 | 158-187 | 116-138 |
| 3/4 - 10 X 2.1/2 | -32 | 271-294 | 200-217 |

| | |
|-------------------|---|
| AF | Across Flats |
| ABS, Abs. | Absolute |
| ABS | American Bureau of Shipping |
| AC | Air Conditioning |
| AGA | Australian Gas Association |
| API | American Petroleum Institute |
| AS | Australian Standard |
| AV | Average |
| BCS | British Coal Standard |
| BH | Bulkhead |
| BP | Burst Pressure |
| BS | British Standard |
| BSP | British Standard Pipe |
| BSPP | British Standard Pipe Parallel Thread |
| BSPPFS | British Standard Pipe Parallel Female Swivel |
| BSPPMBH | British Standard Pipe Parallel Male Bulkhead |
| BSPO | BSPP O Ring Female Swivel |
| BSPPOM | British Standard Pipe Parallel O Ring Male |
| BSPPOM EXT | British Standard Pipe Parallel O Ring Male Extended |
| BSPT | British Standard Pipe Taper Thread |
| BSPTFF | British Standard Pipe Taper Female Fixed |
| BSPTM | British Standard Pipe Taper Male |
| BSW | British Standard Whitworth |
| C/W | Complete With |
| CA | Cut-off Allowance |
| CAT | Caterpillar® |
| CL, C/L | Cut Length |
| CrVI | Chromium 6 |
| cSt | Centistoke |
| DIA, DIAM | Diameter |
| DIN | Deutsche Industrie Normen (German Industrial Standard) |
| DKL | Dicht Kegel Leicht (Metric Light Series 24° Cone) |
| DKM | Dicht Kegel Metric (Metric 60° Cone) |
| DKO | Dicht Kegel O Ring (Metric O Ring Seal 24° Cone) |
| DKOL | Dicht Kegel O Ring Leicht (Metric Light O Ring Series 24° Cone) |
| DKOS | Dicht Kegel O Ring Schwer (Metric Heavy O Ring Series 24° Cone) |
| DKS | Dicht Kegel Schwer (Metric Heavy Series 24° Cone) |
| DL | Drop Length |
| DN | Diameter Nominal (mm) |
| DNV | Det Norske Veritas |
| DoT | Department of Transportation (USA) |
| EEC | Evaporative Emission Control |
| ELB | Elbow |
| EPDM | Ethylene Propylene Diene Monomer |

| | |
|------------------|---|
| EXT | Extended |
| F, FEM | Female |
| FF | Female Fixed |
| FIX | Fixed |
| FLNG | Flange |
| FOS | Factor Of Safety |
| FS | Female Swivel |
| ft | Foot |
| ft.lbf | Foot Pound force |
| g | Gram |
| GL | Germanischer Lloyd |
| GPM | Gallons Per Minute |
| HM | Hexagon, Male |
| HF | Hexagon, Female |
| HP | High Pressure |
| hp | Horse Power |
| HTS | High Tensile Steel |
| HW | Heavy Wall |
| ID | Inside Diameter |
| inHg | Inches of Mercury |
| IMP | Imperial |
| INV | Inverted |
| ISO | International Organization for Standardization |
| JIC | Joint Industries Council (Thread UN) |
| JICFS | JIC Female Swivel |
| JICM | JIC Male |
| JICMBH | JIC Male Bulkhead |
| JICMEXT | JIC Male Extended |
| JIS | Japanese Industrial Standard |
| kg | Kilogram |
| kg.m | Kilogram Metres |
| kPa | KiloPascal |
| kW | Kilowatt |
| LNG | Long |
| L | Litre |
| L | Length (Couplings Section) |
| lb | Pound |
| LP | Low Pressure |
| LPG | Liquified Petroleum Gas |
| LPM | Litres Per Minute |
| LR | Lloyd's Register |
| M | Male |
| m | Metre |
| MAX | Maximum |
| MBP | Minimum Burst Pressure |
| MED | Marine Equipment Directive |
| MFL | Minimum Free Length |
| MIC, Mic. | Micron (µm) |
| MIL | Military Specification (USA) |
| MIN | Minimum |
| mm | Millimetre |
| mmHg | Millimetres of Mercury |
| MPa | MegaPascal |
| MSHA | USA Department of Labor, Mine Safety and Health Administration. |
| MWP | Maximum Working Pressure |
| NA, N/A | Not Applicable |
| NAHAD | National Association of Hose and Accessories Distributors (USA) |
| NATA | National Association of Testing Authorities (Aus.) |

| | |
|------------------|---|
| NB | Nominal Bore |
| NCB | National Coal Board |
| NCS | NATA Certification Services |
| NFPA | National Fluid Power Association (USA) |
| Nm | Newton Metre |
| NOM, Nom. | Nominal |
| NPS | National Pipe Straight Thread |
| NPSM | National Pipe Straight Mechanical |
| NPSMFS | National Pipe Straight Mechanical Female Swivel |
| NPT | National Pipe Taper Thread |
| NPTF | National Pipe Taper for Fuel |
| NPTFF | National Pipe Taper Female Fixed |
| NPTM | National Pipe Taper Male |
| OA, O/A | Overall |
| OD | Outside Diameter |
| ORFS | O Ring Face Seal |
| ORFSFS | ORFS Female Swivel |
| ORFSM | ORFS Male |
| PCD | Pitch Circle Diameter |
| PCV | Positive Crankcase Ventilation |
| P/N, P/NO | Part Number |
| PREV | Previous |
| psi | Pounds per Square Inch |
| PTFE | Polytetrafluoroethylene |
| PW | Pressure Washer |
| QA | Quality Assurance |
| QC | Quality Control |
| QRC | Quick Release Coupling |
| RED | Reducing |
| RMA | Rubber Manufacturers Association |
| RPM | Revolutions Per Minute |
| RQP | RYCO Quality Product |
| SAE | Society of Automotive Engineers (USA) |
| SAEFS | SAE Female Swivel |
| SAEM | SAE Male |
| SF | Swivel Female (Union) |
| SS | Stainless Steel |
| STD | Standard |
| STPL | Staple |
| SWIV | Swivel |
| T/NESS | Thickness |
| TBA | To Be Advised |
| THRD | Thread |
| TP | Test Pressure |
| TPI | Threads Per Inch |
| TW | Tube Weld |
| UN | Unified National Thread |
| UNO | UN O Ring (O Ring Boss) |
| UNOM | UNO Male (O Ring Boss Male) |
| UNOMEXT | UNO Male Extended (O Ring Boss Male Extended) |
| USCG | United States Coast Guard |
| WP | Working Pressure |
| °C | Degrees Celcius |
| °F | Degrees Fahrenheit |
| β | Beta (filtration) |
| mm | Micron |

INTRODUCTION

HOSE

COUPLINGS

ADAPTORS

TECHNICAL



RYCO LOCATIONS

AUSTRALIA +61 1300 111 247

RYCO GLOBAL HEAD OFFICE - MELBOURNE AUSTRALIA
99 Calarco Drive, Derrimut, VIC 3026

BRISBANE
97 Northlink Place,
Northgate, QLD 4013

PERTH
47 Tacoma Circuit,
Canning Vale, WA 6155

ADELAIDE
BL Shipway & Co.
217 Richmond Road,
Richmond, SA 5033

NEWCASTLE
14 Ironbark Close,
Warabrook, NSW 2304

NEW ZEALAND +64 800 842 872

AUCKLAND
4 Autumn Place, Penrose, Auckland 1061

USA & CANADA +1 866 821 7926

USA HEAD OFFICE - HOUSTON TEXAS
1616 Greens Road, Houston, Texas 77032

CALIFORNIA
1150 Valencia Avenue,
Tustin, California 92780

ONTARIO
32 Airpark Place, Guelph,
Ontario, Canada N1L 1B2

IOWA
1007 West 10th Street,
Pella, Iowa 50219

CHINA +86 411 8886 0006

DALIAN
38 Ying Ri Road, Ying Cheng Zi Industrial Zone,
Gan Jing Zi District, Dalian 116036

MALAYSIA +60 4 415 2500

PENANG
Plot 207 Kuala Ketil Ind. Estate, Kuala Ketil, Kedah 09300

SOUTH AFRICA +27 10 4100 500

JOHANNESBURG
340 Roan Crescent, Corporate Park, North Midrand 1685

EUROPE +43 676 723 95 37

AUSTRIA
2721 Bad Fischau, Windbachgasse 10, Lower Austria



RYCO 24•7 SERVICE CENTRES

AUSTRALIA 133•24•7

NEW SOUTH WALES

Bellingen
Batemans Bay
Casino
Dubbo
Goulburn
Ingleburn
Mascot
Newcastle
Penrith
Wallerawang
Wetherill Park

QUEENSLAND

Brisbane
Blackwater
Charter Towers
Dalby
Emerald
Fraser Coast
Northside

SOUTH AUSTRALIA

Cowell
North Adelaide
Richmond
Roxby Downs
Whyalla

VICTORIA

Bendigo
Carrum Downs
Melbourne

WESTERN AUSTRALIA

Kalgoorlie
Karratha
Newman
Port Hedland
Wangara

NORTHERN TERRITORY

Darwin

NEW ZEALAND 800•111•24•7

NORTH ISLAND

Auckland
Gisborne
Hawkes Bay
Hamilton
Masterton
Northwest
Otorohanga
Palmerston North

Pukekohe
Taupo
Waikato
Wellington
Whakatane
Whangarei

SOUTH ISLAND

Christchurch
Dunedin
Invercargill
Nelson
Temuka

USA & CANADA +1 844•700•0247

TEXAS

Houston



SCAN HERE FOR MORE
CONTACT INFORMATION