RYCO®

# ENERGY COMPACT

Energise your Hydraulic System




STRONGER CONNECTIONS.
SMARTER SOLUTIONS.

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# EC1

## ENERGY COMPACT
## ONE WIRE BRAID HOSE




**RECOMMENDED FOR:**
High pressure hydraulic oil lines. Ideal for high pressure use that requires a more compact outside diameter compared to 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).

| EC1 - ENERGY COMPACT | | | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PART NO | HOSE SIZE | | | | | | | | | | | | | | |
| 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 Digital Crimp Tools for crimping parameters.

**Disclaimer:** We reserve the right to modify our products and/or related services and/or discontinue the manufacture and/or supply of any of the products and/or related services, without notice. This document supersedes all previous versions and previously issued documentation. The only official source of technical crimping parameters regarding our products is our Digital Crimp Tools. Printed copies are uncontrolled therefore, please be sure to use the latest versions of our Manuli Crimp App or Crimp Web Tool. Do not mix and match: always use Manuli original hoses and fittings. For more information, see our 'Safety Guide' by scanning the QR code.

DON'T MIX & MATCH

# 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 compared to 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).

| EC2 - ENERGY COMPACT | | | NOMINAL HOSE ID | | NOMINAL HOSE OD | | MAXIMUM WORKING PRESSURE | | MINIMUM BURST PRESSURE | | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | COUPLING SERIES ONE PIECE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PART NO | HOSE SIZE | | | | | | | | | | | | | | |
| 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 Digital Crimp Tools for crimping parameters.

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