

DK1E

EXTRA HIGH PRESSURE
COMPACT ONE WIRE BRAID HOSE



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 and T3000 Series BITELOK 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:

BITELOK NON-SKIVE ONE-PIECE CRIMP

T2000 Series (sizes -04 to -16).

T3000 Series (sizes -16 to -20).

Not suitable for use with field attachable couplings.

Refer to Product Technical Manual - Hydraulics for assembly instructions.

| 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 | 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 | 7,8 | 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 | T3000 |
| DK120E | 31 | -20 | 31,8 | 1.1/4 | 38,4 | 1.51 | 100 | 1450 | 400 | 5800 | 200 | 7.9 | 0,79 | 0.53 | | T3000 |

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