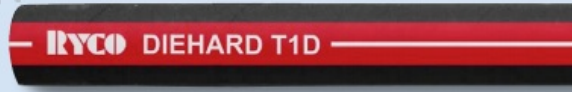


T1D

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 187 to 232.
Assembly Instructions pages 478.

FIELD ATTACHABLE NON-SKIVE

6000 SERIES insert (sizes -03 to -16) pages 250 to 271.
K000 Series ferrule (sizes -03 to -16) page 353.
Assembly Instructions page 476.

| T1D - DIEHARD NON-SKIVE 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 | FIELD ATT |
| 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.

T1D