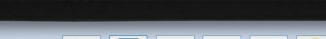


H5000D

EXTRA ABRASIION RESISTANT FRAS ISOBARIC SPIRAL HOSE 350 BAR / 5100 PSII

MILLION CYCLE



GL

Lloyd's Register

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, SAE100R13.

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 T7000 and T9000 Series BITELOK 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:

H5000 RYCO DIEHARD

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-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).

THIRD PARTY APPROVALS:

ABS, DNV, GL, LR, MED and USCG.

COUPLINGS:

BITELOK NON-SKIVE ONE-PIECE CRIMP T7000 Series (sizes -06 to -24) T9000 Series (size -32)

| H5000D-DIEHARD ISOBARIC SPIRAL HOSE | | | IO | | | | \bigcirc | | Ø | | | | Ŵ | | | |
|--|-----------|----------|--------------------|----------|--------------------|-----------|--------------------------------|------|------------------------------|-------|---------------------------|------|-------------------|-------|------------------------------|-------|
| 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 | |
| H5006D | 10 | -06 | 9,5 | 3/8 | 19,3 | 0.76 | 350 | 5100 | 1400 | 20400 | 62 | 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 | T7000 | |
| H5016D | 25 | -16 | 25,4 | 1 | 36,8 | 1.45 | 350 | 5100 | 1400 | 20400 | 150 | 5.9 | 1,72 | 1.16 | T7000 | |
| H5020D | 31 | -20 | 31,8 | 1.1/4 | 45,0 | 1.77 | 350 | 5100 | 1400 | 20400 | 210 | 8.3 | 2,42 | 1.63 | T7000 | |
| H5024D | 38 | -24 | 38,1 | 1.1/2 | 52,7 | 2.07 | 350 | 5100 | 1400 | 20400 | 330 | 13.0 | 3,44 | 2.31 | T7000 | |
| H5032D | 51 | -32 | 50,8 | 2 | 67,5 | 2.66 | 350 | 5100 | 1400 | 20400 | 400 | 15.8 | 5,40 | 3.63 | | T9000 |
| Refer to the latest | t RYCO C | rimp Cha | irts for ci | imp diar | neter and | d mark le | naths | | | | | | | | | |

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

CONNECTING PARTNERSHIPS