

H4000D

EXTRA ABRASION RESISTANT
FRAS
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:
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 272 to 302. Assembly Instructions pages 478.

H4000D - 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
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.

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CHIRIBOGA & JARA S.A.