

HOSE

ISOBARIC SPIRAL

H6000D

EXTRA ABRASION RESISTANT
FRAS
ISOBARIC SPIRAL HOSE
420 BAR / 6100 PSI
MILLION CYCLE



RECOMMENDED FOR:

Extremely high pressure hydraulic oil lines. Constant pressure (isobaric) 420 bar / 6100 psi in all sizes. Small bend radius is an advantage in installations.

PERFORMANCE:

Meets or Exceeds the Performance Requirements of: EN 856 Type R15, ISO 18752-CC, SAE 100R15.

TUBE:

Black, oil resistant synthetic rubber.

REINFORCEMENT:

Four (-06 to -16 size), six (-20 to -24 size) and eight (-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 T6000 and T7000 Series Crimp Couplings.

FEATURES:

Tested to **1 million impulse cycles** at up to 1/2 SAE 100R15 Minimum Bend Radius. **World First:** World's first 2" (-32) hose tested to 1 million impulse cycles at 400mm (15.8") Minimum Bend Radius. Constant pressure 420 bar / 6100 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 -20) pages 272 to 302.

T6000 Series (size -12 to -32) pages 250 to 270.

Assembly Instructions pages 478.

H6000D - 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	
Hose	DN Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE	
H6006D	10 -06	9,5	3/8	19,3	0.76	420	6100	1680	24400	75	2.9	0,61	0.41		T7000
H6008D	12 -08	12,7	1/2	22,7	0.89	420	6100	1680	24400	100	3.9	0,78	0.52		T7000
H6010D	16 -10	15,9	5/8	26,2	1.03	420	6100	1680	24400	110	4.3	1,00	0.67		T7000
H6012D	19 -12	19,1	3/4	30,6	1.20	420	6100	1680	24400	115	4.5	1,38	0.93	T6000	T7000
H6016D	25 -16	25,4	1	37,5	1.48	420	6100	1680	24400	165	6.5	1,99	1.34	T6000	T7000
H6020D	31 -20	31,8	1.1/4	46,4	1.83	420	6100	1680	24400	220	8.7	2,97	2.00	T6000	T7000
H6024D	38 -24	38,1	1.1/2	53,1	2.09	420	6100	1680	24400	350	13.8	3,81	2.56	T6000	
H6032D	51 -32	50,8	2	71,5	2.81	420	6100	1680	24400	400	15.8	7,10	4.77	T6000	

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