

# ISOBARIC SPIRAL

## H6000D

EXTRA ABRASION RESISTANT  
FRAS  
ISOBARIC SPIRAL HOSE  
420 BAR / 6100 PSII  
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 T7000 and T9000 Series BITELOK 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 57.

### 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 -20)

**T9000 Series** (size -24)

#### BITELOK SKIVE TWO-PIECE CRIMP

**69000N Series** (sizes -12 to -32)

H6000D-DIEHARD ISOBARIC SPIRAL HOSE																
PART NO	HOSE SIZE	NOMINAL HOSE ID		NOMINAL HOSE OD		MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE		MINIMUM BEND RADIUS		AVERAGE WEIGHT		ONE PIECE	2 PC	
Hose	DN	Dash	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	NON-SKIVE	SKIVE
<b>H6006D</b>	10	-06	9,5	3/8	19,3	0.76	420	6100	1680	24400	75	2.9	0,61	0.41	T7000	
<b>H6008D</b>	12	-08	12,7	1/2	22,7	0.89	420	6100	1680	24400	100	3.9	0,78	0.52	T7000	
<b>H6010D</b>	16	-10	15,9	5/8	26,2	1.03	420	6100	1680	24400	110	4.3	1,00	0.67	T7000	
<b>H6012D</b>	19	-12	19,1	3/4	30,6	1.20	420	6100	1680	24400	115	4.5	1,38	0.93	T7000	69000N
<b>H6016D</b>	25	-16	25,4	1	37,5	1.48	420	6100	1680	24400	165	6.5	1,99	1.34	T7000	69000N
<b>H6020D</b>	31	-20	31,8	1.1/4	46,4	1.83	420	6100	1680	24400	220	8.7	2,97	2.00	T7000	69000N
<b>H6024D</b>	38	-24	38,1	1.1/2	53,1	2.09	420	6100	1680	24400	350	13.8	3,81	2.56	T9000	69000N
<b>H6032D</b>	51	-32	50,8	2	71,5	2.81	420	6100	1680	24400	400	15.8	7,10	4.77		69000N

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

RYCO QUALITY