



# FLEXIBLE SPIRAL

Ultra Flexible

Extra Abrasion Resistant

FRAS

Isobaric Spiral Hose



## ISOBARIC SPIRAL

**C6000D**

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

**RECOMMENDED FOR:**

Ultra flexibility and small bend radius provides easy installation in compact environments.  
Extremely high pressure hydraulic oil lines.  
Constant pressure (Isobaric) 420 bar / 6100 psi in all sizes.

**PERFORMANCE:**

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

**TUBE:**

Black, oil resistant synthetic rubber.

**REINFORCEMENT:**

Four 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 BITELOK Crimp Couplings.

**FEATURES:**

Ultra flexibility combined with a small bend radius reduces effort during assembly and installations. Tested to **1 million impulse cycles** at up to 1/2 SAE 100R15 Minimum Bend Radius. Constant pressure 420 bar / 6100 psi in all sizes for easy system design and hose selection.

**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).

**WORKING PRESSURE:**

Maximum working pressures are based on 4:1 safety factor (maximum working pressure to minimum burst pressure).

**COUPLINGS:**

**BITELOK NON-SKIVE ONE-PIECE CRIMP**  
**T7000 Series** (sizes -08 to -16).

C6000D - DIEHARD ULTRA FLEXIBLE ISOBARIC SPIRAL HOSE																
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	
<b>C6008D</b>	12	-08	12,7	1/2	21,4	0.84	420	6100	1680	24400	75	2.9	0,69	0.46	T7000	
<b>C6012D</b>	19	-12	19,1	3/4	28,5	1.12	420	6100	1680	24400	115	4.5	1,15	0.77	T7000	
<b>C6016D</b>	25	-16	25,4	1	35,5	1.40	420	6100	1680	24400	165	6.5	1,70	1.14	T7000	

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

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