



**RECOMMENDED FOR:**

Extra high pressure hydraulic oil lines.

**PERFORMANCE:**

Meets or Exceeds the Performance Requirements of: EN 856 Type 4SP, ISO 3862 Type 4SP.

**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. Extra thin cover suitable for non-skive and skive couplings. Highly visible layline branding for easy and permanent identification. No skiving required with T7000 Series Crimp Couplings.

**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:**

From -40°C to +100°C (-40°F to +212°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, KR & MA-KA.

**COUPLINGS:**

**NON-SKIVE ONE-PIECE CRIMP**

**T7000 Series** (sizes -06 to -16) pages 274 to 304.  
Assembly Instructions pages 480.

R4SPD - DIEHARD 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
R4SP08D	12 -08	12,7	1/2	23,5	0,93	420	6100	1680	24400	230	9.1	0,86	0,58	T7000
R4SP10D	16 -10	15,9	5/8	27,0	1,06	380	5500	1520	22000	250	9.9	1,10	0,74	T7000
R4SP12D	19 -12	19,1	3/4	31,0	1,22	380	5500	1520	22000	300	11,8	1,47	0,99	T7000
R4SP16D	25 -16	25,4	1	37,8	1,49	350	5100	1400	20400	340	13,4	1,95	1,31	T7000

R4SPD

R4SPD