

# DIEHARD H12D



Meets or exceeds the performance requirements of SAE 100R12, AS 3791 100R12, EN856 Type R12, EN 856 Type 4SP (-12 and above), ISO 3862 Type R12.

Third Party approvals: ABS, DNV, GL, LR, MED, USCG ([click to view](#)).

## Recommended For:

Very high pressure hydraulic oil lines, in applications where the outside cover of the hose is subject to abrasion that may cause premature failure of standard hoses. The very high abrasion resistant properties of the cover, combined with the extra high working pressures and excellent impulse life when tested to SAE 100R12 test conditions result in, increased service life and minimise equipment downtime.

## Tube:

Black, oil resistant synthetic rubber.

## Reinforcement:

Four alternating layers of spiralled high tensile steel wire.

## Cover:

Black, extra abrasion resistant and oil resistant synthetic rubber.

**“FRAS”** Flame Resistant and Anti-Static.

The maximum weight loss of the cover under ISO 6945 method of test for abrasion resistance is less than 10% (less than 0,10 g) of that allowed by DIN 20023 and EN 856.

Highly visible layline branding for easy and permanent identification.

No skiving required with T700 Series BITELOK Crimp Couplings.

## Temperature Range:

From -40°C to +121°C (-40°F to +250°F).

For water, emulsions etc. [click to view](#)

## Working Pressure:

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

## Flame Resistance:

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.

## Couplings:

### **BITELOK NON-SKIVE ONE-PIECE CRIMP**

T700 Series (sizes -06 to -32) [click to view](#)

Assembly Instructions [click to view](#)

### **BITELOK SKIVE ONE-PIECE CRIMP**

T200 Series (sizes -06 to -10) [click to view](#)

Assembly Instructions [click to view](#)

## Hose Working Pressures

1 BAR = 14.5 PSI 1 MPA = 10 BAR

PART NO	HOSE SIZE ID			MAX. DYNAMIC WORKING PRESSURE		MIN. BURST PRESSURE	
	DN	INCH	DASH	BAR	PSI	BAR	PSI
H1206D	10	3/8	-06	350	5100	1400	20400
H1208D	12	1/2	-08	350	5100	1400	20400
H1210D	16	5/8	-10	350	5100	1400	20400
H1212D	19	3/4	-12	350	5100	1400	20400
H1216D	25	1	-16	350	5100	1400	20400
H1220D	31	1.1/4	-20	275	4000	1100	16000
H1224D	38	1.1/2	-24	255	3700	1020	14800
H1232D	51	2	-32	210	3050	840	12200

Contact RYCO Hydraulics for Crimp Diameter and Mark Length for BITELOK Couplings.

Hose Dimensions							Matched Couplings	
PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD		BITELOK ONE PIECE CRIMP	
	MM	INCH	KGS/M	LBS/FT	MM	INCH	NON-SKIVE	SKIVE
H1206D	127	5.0	0,65	0.44	20,2	0.80	T700 SERIES	T200 (SKIVE)
H1208D	178	7.0	0,80	0.54	23,8	0.94	T700 SERIES	T200 (SKIVE)
H1210D	200	8.0	1,16	0.78	28,2	1.11	T700 SERIES	T200 (SKIVE)
H1212D	240	9.5	1,27	0.85	30,7	1.21	T700 SERIES	
H1216D	300	12.0	1,91	1.28	38,0	1.50	T700 SERIES	
H1220D	400	16.0	2,65	1.78	47,0	1.85	T700 SERIES	
H1224D	500	20.0	3,40	2.28	53,5	2.11	T700 SERIES	
H1232D	600	24.0	4,50	3.02	66,7	2.63	T700 SERIES	