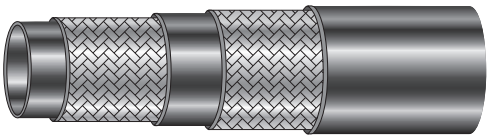
DIEHARD TXA2D

EXTRA ABRASION RESISTANT
EXTRA HIGH PRESSURE
FRAS 2 WIRE BRAID HOSE



Meets or exceeds the performance requirements of SAE 100R2AT, AS 3791 100R2AT, BCS 174, DIN 20022-2SN, EN 853 Type 2SN, ISO 1436 Types R2AT & 2SN.
Third Party approvals: ABS, DNV, GL, LR, MED, USCG (see page 21).

Recommended For:
High pressure hydraulic oil lines in applications where the outside cover of the hose is subjected to abrasion that may cause premature failure of standard hoses.
The working pressures of DIEHARD AGGRESSOR exceed the requirements of EN 853 Type 2SN & SAE 100R2AT by at least 30%, and all sizes exceed the working pressure requirements of SAE 100R9.
The very high abrasion resistant properties of the cover, combined with the high working pressures and excellent impulse life when tested to EN 853 Type 2SN/SAE 100R2AT test conditions result in, increased service life and minimise equipment downtime. Ideal for high pressure use that requires a smaller outside diameter (except -20 size), lighter weight, and more flexibility than spiral hose.

Tube:
Black, oil resistant synthetic rubber. (Nitrile).

Reinforcement:
Two braids of high tensile steel wire.

Cover:
Black, extra abrasion resistant and oil resistant rubber.
"FRAS" Flame Resistant and Anti-Static.
The weight loss of the cover under ISO 6945 method of test for abrasion resistance is less than 10% (less than 0,05 g) of that allowed by DIN 20022-2SN and EN 853 Type 2SN.
Highly visible layline branding for easy and permanent identification.
No skiving required with T200 & T700 Series BITELOK Crimp Couplings and L Series Field Attachable Couplings.

Temperature Range:
From -40°C to +100°C (-40°F to +212°F).
For water, emulsions etc. see page 29.

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
T200 Series (sizes -8 to -20) pages 102 to 123.
T700 Series (sizes -8 to -20) pages 134 to 152.
Assembly Instructions page 404.

FIELD ATTACHABLE NON-SKIVE
L Series (sizes -8 to -20) pages 202 to 219.
Assembly Instructions page 402.

TXA2D Hose Working Pressures

1 bar = 14.5 psi 1 MPa = 10 bar

PART NO	HOSE SIZE ID			MAXIMUM WORKING PRESSURE		MINIMUM BURST PRESSURE	
	DN	inch	Dash	bar	psi	bar	psi
TXA28D	12	1/2	-08	375	5440	1500	21760
TXA210D	16	5/8	-10	350	5100	1400	20400
TXA212D	19	3/4	-12	313	4530	1252	18120
TXA216D	25	1	-16	225	3250	900	13040
TXA220D	31	1.1/4	-20	175	2540	700	10160

TXA2D Hose Dimensions

Matched Couplings

PART NO	MINIMUM BEND RADIUS		AVERAGE WEIGHT		NOMINAL HOSE OD		FIELD ATTACHABLE L SERIES		BITELOK ONE-PIECE CRIMP	
	mm	inch	kg/m	lb/ft	mm	inch	INSERT	FERRULE	NON-SKIVE	
TXA28D	178	7.0	0,72	0.48	22,0	0.87	600 SERIES	L00-08	T200	T700
TXA210D	200	8.0	0,87	0.58	25,2	0.99	600 SERIES	L00-10	T200	T700
TXA212D	240	9.5	1,11	0.75	29,1	1.15	600 SERIES	L00-12	T200	T700
TXA216D	300	12.0	1,50	1.01	37,7	1.48	600 SERIES	L00-16	T200	T700
TXA220D	419	16.5	2,28	1.53	48,0	1.89	600 SERIES	L00-20	T200	T700

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