



DIEHARD T2D

Meets or exceeds the performance requirements of SAE 100R2AT, AS 3791 100R2AT, DIN 20022-2SN, EN 853 Type 2SN, ISO 1436 Types R2AT & 2SN.

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

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 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.

Tube:

Black, oil resistant synthetic rubber. (Nitrile).

Reinforcement:

One braid 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. [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

T200 Series (sizes -4 to -20) [click to view](#)

T700 Series (sizes -6 to -32) [click to view](#)

Assembly Instructions [click to view](#)

FIELD ATTACHABLE NON-SKIVE

L Series (sizes -4 to -20) [click to view](#)

Assembly Instructions [click to view](#)

FIELD ATTACHABLE SKIVE

B Series* (sizes -24 & -32) [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 |
| T24D | 6 | 1/4 | -04 | 420 | 6000 | 1680 | 24000 |
| T25D | 8 | 5/16 | -05 | 350 | 5100 | 1400 | 20400 |
| T26D | 10 | 3/8 | -06 | 350 | 5100 | 1400 | 20400 |
| T28D | 12 | 1/2 | -08 | 350 | 5100 | 1400 | 20400 |
| T210D | 16 | 5/8 | -10 | 250 | 3600 | 1000 | 14500 |
| T212D | 19 | 3/4 | -12 | 215 | 3100 | 860 | 12400 |
| T216D | 25 | 1 | -16 | 175 | 2540 | 700 | 10150 |
| T220D | 31 | 1.1/4 | -20 | 140 | 2030 | 560 | 8120 |
| T224D | 38 | 1.1/2 | -24 | 100 | 1450 | 400 | 5800 |
| T232D | 51 | 2 | -32 | 90 | 1305 | 360 | 5220 |

Hose Dimensions

| PART NO | MINIMUM BEND RADIUS | | AVERAGE WEIGHT | | NOMINAL HOSE OD | | Matched Couplings | | | |
|---------|---------------------|------|----------------|--------|-----------------|------|-----------------------|--------------------------------|---------|-------------------------|
| | MM | INCH | KGS/M | LBS/FT | MM | INCH | B SERIES SKIVE LENGTH | FIELD ATTACHABLE L (&B) SERIES | | BITELOK ONE PIECE CRIMP |
| T24D | 100 | 4.0 | 0,39 | 0.26 | 15,0 | 0.59 | | 600 SERIES | L00-04 | T200 |
| T25D | 114 | 4.5 | 0,46 | 0.31 | 16,6 | 0.65 | | | | T200 |
| T26D | 127 | 5.0 | 0,57 | 0.38 | 19,0 | 0.75 | | 600 SERIES | L00-06 | T200 T700 |
| T28D | 178 | 7.0 | 0,66 | 0.44 | 22,0 | 0.87 | | 600 SERIES | L00-08 | T200 T700 |
| T210D | 200 | 8.0 | 0,80 | 0.54 | 25,2 | 0.99 | | 600 SERIES | L00-10 | T200 T700 |
| T212D | 240 | 9.5 | 0,96 | 0.65 | 29,1 | 1.15 | | 600 SERIES | L00-12 | T200 T700 |
| T216D | 300 | 12.0 | 1,37 | 0.92 | 37,7 | 1.48 | | 600 SERIES | L00-16 | T200 T700 |
| T220D | 419 | 16.5 | 2,03 | 1.36 | 48,0 | 1.89 | | 600 SERIES | L00-20 | T200 T700 |
| T224D | 500 | 20.0 | 2,75 | 1.85 | 54,4 | 2.14 | 53 | 600 SERIES | *B00-24 | T700 |
| T232D | 600 | 24.0 | 3,50 | 2.35 | 67,3 | 2.65 | 58 | 600 SERIES | *B00-32 | T700 |

*When using B Series Field Attachable Couplings on T2D Series Hose, cover of hose must be skived at ends.

