

PIX - THERMAL®

STANDARDS: PIX PROPRIETARY. EN 853 2SN FOR DIMENSIONAL & PRESSURE REFERENCE



Application:

Medium to high pressure hydraulic lines. Suitable for petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water-glycol based fluids at 135°C.

Special Features:

Superior impulse performance of 400000 cycles. Good weather and ozone resistance. Suitable at high ambient of ~100°C. Service temperature can go intermittently up to 150°C.

| Product Code | Dash | DN | Hose ID (inch) | Hose ID (mm) | Braid OD (mm) | Hose OD (mm) | Maximum Working Pressure | | | Minimum Burst Pressure | | | Minimum Bend Radius (mm) | Weight/Meter (Kg/mtr) | Recommended Ferrule |
|--------------|------|----|----------------|--------------|---------------|--------------|--------------------------|-----|------|------------------------|------|-------|--------------------------|-----------------------|---------------------|
| | | | | | | | MPa | bar | psi | MPa | bar | psi | | | |
| TH206 | -4 | 6 | 1/4 | 6.4 | 12.7 | 14.9 | 40.0 | 400 | 5800 | 160.0 | 1600 | 23200 | 100 | 0.410 | PF 22 06 |
| TH208 | -5 | 8 | 5/16 | 7.9 | 14.3 | 16.7 | 35.0 | 350 | 5000 | 140.0 | 1400 | 20000 | 115 | 0.475 | PF 22 08 |
| TH210 | -6 | 10 | 3/8 | 9.5 | 16.7 | 19.1 | 33.0 | 330 | 4785 | 132.0 | 1320 | 19140 | 125 | 0.560 | PF 22 10 |
| TH212 | -8 | 12 | 1/2 | 12.7 | 19.8 | 22.1 | 27.5 | 275 | 3988 | 110.0 | 1100 | 15950 | 180 | 0.650 | PF 22 12 |
| TH216 | -10 | 16 | 5/8 | 15.9 | 23.0 | 25.3 | 25.0 | 250 | 3625 | 100.0 | 1000 | 14500 | 205 | 0.790 | PF 22 16 |
| TH219 | -12 | 19 | 3/4 | 19.0 | 27.0 | 29.6 | 21.5 | 215 | 3118 | 86.0 | 860 | 12470 | 240 | 0.985 | PF 22 19 |
| TH225 | -16 | 25 | 1 | 25.4 | 35.1 | 37.7 | 16.5 | 165 | 2393 | 66.0 | 660 | 9570 | 300 | 1.435 | PF 22 25 |
| TH231 | -20 | 31 | 1-1/4 | 31.8 | 44.7 | 47.7 | 12.5 | 125 | 1813 | 50.0 | 500 | 7250 | 420 | 2.140 | PF 22 31 |
| TH238 | -24 | 38 | 1-1/2 | 38.1 | 50.8 | 54.0 | 9.0 | 90 | 1305 | 36.0 | 360 | 5220 | 500 | 2.580 | PF 22 38 |
| TH251 | -32 | 51 | 2 | 50.8 | 63.3 | 67.5 | 8.0 | 80 | 1160 | 32.0 | 320 | 4640 | 630 | 3.240 | PF 22 51 |

Working Temperature: - 40°C to +135°C

Note: 1MPa = 10 bar = 145 psi. Available in standard high temperature Black cover (Blue MSHA cover can be provided on request)

** For Recommended Ferrule code please e-mail us at techsupport@pixtrans.com.