

PBH RELIAFLEX / 1SN

STANDARDS: EN 853 1ST, ISO 1436



Application:

Medium to high pressure hydraulic lines where self abrasion and inter substrate abrasion is foreseen. Suitable for petroleum based hydraulic fluids, synthetic esters, biodegradable hydraulic fluids, water-glycol based fluids and air.

Special Features:

Qualified for double impulse cycles (300,000 cycles) to relevant standards-EN 853 1ST / ISO 1436-1ST.

Thicker cover for very good abrasion resistance and weather protection.

| 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 |
|--------------|------|----|----------------|--------------|---------------|--------------|--------------------------|-----|------|------------------------|-----|-------|--------------------------|-----------------------|---------------------|
| PT106 | -4 | 6 | 1/4 | 6.4 | 11.1 | 15.5 | 22.5 | 225 | 3263 | 90.0 | 900 | 13050 | 100 | 0.260 | PF 11 06 |
| PT108 | -5 | 8 | 5/16 | 7.9 | 12.7 | 17.1 | 21.5 | 215 | 3118 | 86.0 | 860 | 12470 | 115 | 0.305 | PF 11 08 |
| PT110 | -6 | 10 | 3/8 | 9.5 | 15.1 | 19.8 | 18.0 | 180 | 2610 | 72.0 | 720 | 10440 | 125 | 0.396 | PF 11 10 |
| PT112 | -8 | 12 | 1/2 | 12.7 | 18.3 | 22.6 | 16.0 | 160 | 2320 | 64.0 | 640 | 9280 | 180 | 0.475 | PF 11 12 |
| PT116 | -10 | 16 | 5/8 | 15.9 | 21.4 | 26.0 | 13.0 | 130 | 1885 | 52.0 | 520 | 7540 | 205 | 0.613 | PF 11 16 |
| PT119 | -12 | 19 | 3/4 | 19.0 | 25.4 | 29.8 | 10.5 | 105 | 1523 | 42.0 | 420 | 6090 | 240 | 0.783 | PF 11 19 |
| PT125 | -16 | 25 | 1 | 25.4 | 33.3 | 37.5 | 9.0 | 90 | 1305 | 36.0 | 360 | 5220 | 300 | 1.058 | PF 11 25 |
| PT131 | -20 | 31 | 1-1/4 | 31.8 | 40.5 | 45.5 | 6.3 | 63 | 914 | 25.0 | 250 | 3654 | 420 | 1.410 | PF 11 31 |
| PT138 | -24 | 38 | 1-1/2 | 38.1 | 46.8 | 52.4 | 5.0 | 50 | 725 | 20.0 | 200 | 2900 | 500 | 1.860 | PF 11 38 |
| PT151 | -32 | 51 | 2 | 50.8 | 60.2 | 66.3 | 4.0 | 40 | 580 | 16.0 | 160 | 2320 | 630 | 2.470 | PF 11 51 |

Working Temperature: - 40°C to +100°C (Continuous)

Intermittent Temperature: - 40°C to +120°C (10% of total working hours)

Note: 1MPa = 10 bar = 145 psi

For air application (Temp. max 70°C) & pressure above 17 bar cover must be pin pricked. Special MSHA approved flame resistant outer cover can be provided on request.

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