

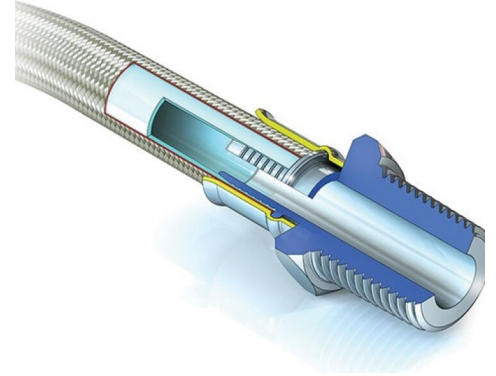
Medium wall, double braid hoses



Smoothbore PTFE hose

Features and benefits

- PTFE-lined high pressure hose
- Temperature resistant
- Chemical resistant
- Self-cleaning



Performance

| Standard wall, single braid (SW, SB) | | | | | | | | | | | | | | |
|--|--------------------|-------|------------------------|--------------------------|-------|------------------------|-------|---------------------|--------|--------------------------|-------|------------------------|--------|-----------------|
| Bore size (Nominal) | Bore size (Actual) | | Dash size ref (if any) | PTFE tube wall thickness | | Braid outside diameter | | Minimum bend radius | | Maximum working pressure | | Weight per unit length | | *Part number |
| | mm | in | | mm | in | mm | in | mm | in | bar | psi | kg/mt | lbs/ft | |
| 1/8 | 3.17 | 0.125 | - | 0.76 | 0.030 | 5.85 | 0.230 | 22 | 7/8 | 290 | 4,220 | 0.065 | 0.044 | 70-100-02-01-02 |
| 1/16 | 4.76 | 0.188 | - | 0.76 | 0.025 | 7.40 | 0.291 | 40 | 1 1/8 | 265 | 3,856 | 0.080 | 0.054 | 70-100-03-01-02 |
| 1/4 | 6.35 | 0.250 | - | 0.63 | 0.025 | 8.50 | 0.335 | 60 | 2 1/8 | 240 | 3,492 | 0.093 | 0.062 | 70-100-04-01-02 |
| 3/16 | 7.94 | 0.313 | - | 0.63 | 0.025 | 10.15 | 0.400 | 70 | 2 1/8 | 200 | 2,910 | 0.110 | 0.074 | 70-100-05-01-02 |
| 1/2 | 9.53 | 0.375 | - | 0.63 | 0.025 | 11.75 | 0.463 | 80 | 3 1/8 | 190 | 2,765 | 0.124 | 0.083 | 70-100-06-01-02 |
| 3/4 | 12.70 | 0.500 | - | 0.76 | 0.030 | 14.95 | 0.589 | 110 | 4 1/8 | 140 | 2,030 | 0.207 | 0.139 | 70-100-08-01-02 |
| 1 | 15.88 | 0.625 | - | 0.76 | 0.030 | 18.35 | 0.722 | 150 | 6 | 110 | 1,601 | 0.255 | 0.171 | 70-100-10-01-02 |
| 1 1/4 | 19.05 | 0.750 | - | 0.76 | 0.030 | 21.65 | 0.852 | 200 | 7 1/8 | 80 | 1,164 | 0.315 | 0.211 | 70-100-12-01-02 |
| 1 1/2 | 25.40 | 1.000 | - | 1.00 | 0.039 | 28.15 | 1.108 | 300 | 11 1/8 | 55 | 800 | 0.430 | 0.288 | 70-100-16-01-02 |
| Heavy Wall, single braid (HW, SB) | | | | | | | | | | | | | | |
| Bore size (Nominal) | Bore size (Actual) | | Dash size ref (if any) | PTFE tube wall thickness | | Braid outside diameter | | Minimum bend radius | | Maximum working pressure | | Weight per unit length | | *Part number |
| | mm | in | | mm | in | mm | in | mm | in | bar | psi | kg/mt | lbs/ft | |
| 1/8 | 3.17 | 0.125 | - | 1.00 | 0.039 | 6.10 | 0.240 | 20 | 7/8 | 290 | 4,220 | 0.068 | 0.046 | 70-200-02-01-02 |
| 1/16 | 4.76 | 0.188 | - | 1.00 | 0.039 | 7.65 | 0.301 | 29 | 1 1/8 | 270 | 3,929 | 0.087 | 0.058 | 70-200-03-01-02 |
| 1/4 | 6.35 | 0.250 | - | 1.00 | 0.039 | 9.25 | 0.364 | 30 | 1 1/8 | 260 | 3,783 | 0.113 | 0.076 | 70-200-04-01-02 |
| 3/16 | 7.94 | 0.313 | - | 1.00 | 0.039 | 10.90 | 0.429 | 40 | 1 1/8 | 230 | 3,347 | 0.135 | 0.091 | 70-200-05-01-02 |
| 1/2 | 9.53 | 0.375 | - | 1.00 | 0.039 | 12.50 | 0.492 | 55 | 2 1/8 | 200 | 2,910 | 0.153 | 0.103 | 70-200-06-01-02 |
| 3/4 | 12.70 | 0.500 | - | 1.00 | 0.039 | 15.60 | 0.614 | 85 | 3 1/8 | 160 | 2,328 | 0.240 | 0.161 | 70-200-08-01-02 |
| 1 | 15.88 | 0.625 | - | 1.30 | 0.051 | 19.10 | 0.752 | 110 | 4 1/8 | 130 | 1,892 | 0.292 | 0.196 | 70-200-10-01-02 |
| 1 1/4 | 19.05 | 0.750 | - | 1.30 | 0.051 | 22.05 | 0.868 | 145 | 5 1/8 | 92 | 1,339 | 0.344 | 0.231 | 70-200-12-01-02 |
| 1 1/2 | 25.40 | 1.000 | - | 1.50 | 0.059 | 28.80 | 1.134 | 260 | 10 1/8 | 69 | 1,004 | 0.470 | 0.315 | 70-200-16-01-02 |
| Medium wall, single braid (MW, SB), also referred to as Hyperline SB | | | | | | | | | | | | | | |
| The Hyperline MW, SB Range meets or exceeds SAE 100R14 standard. | | | | | | | | | | | | | | |
| Bore size (Nominal) BB=Big Bore | Bore size (Actual) | | Dash size ref (if any) | PTFE tube wall thickness | | Braid outside diameter | | Minimum bend radius | | Max working pressure | | Weight per unit length | | *Part number |
| | mm | in | | mm | in | mm | in | mm | in | Bar | Psi | Kg/mt | Lbs/Ft | |
| 1/16 BB | 2.0 | 0.079 | -2 | 1.00 | 0.040 | 5.00 | 0.197 | 13 | 1/2 | 450 | 6,500 | 0.045 | 0.030 | 70-300-02-01-02 |
| 1/8 BB | 3.5 | 0.138 | -3 | 1.00 | 0.040 | 6.45 | 0.254 | 20 | 3/4 | 350 | 5,076 | 0.070 | 0.047 | 70-300-03-01-02 |
| 3/16 BB | 5.0 | 0.200 | -4 | 0.76 | 0.030 | 7.65 | 0.301 | 45 | 1 1/8 | 290 | 4,206 | 0.078 | 0.052 | 70-400-03-01-02 |
| 1/4 BB | 6.7 | 0.264 | -5 | 0.76 | 0.030 | 9.30 | 0.366 | 60 | 2 1/8 | 240 | 3,480 | 0.110 | 0.074 | 70-400-04-01-02 |
| 5/16 BB | 8.4 | 0.335 | -6 | 0.76 | 0.030 | 10.72 | 0.422 | 70 | 2 1/8 | 220 | 3,190 | 0.136 | 0.091 | 70-400-05-01-02 |
| 3/8 BB | 10.0 | 0.394 | -7 | 0.76 | 0.030 | 12.75 | 0.500 | 80 | 3 | 190 | 2,755 | 0.166 | 0.111 | 70-400-06-01-02 |
| 1/2 BB | 13.3 | 0.536 | -10 | 0.76 | 0.030 | 16.35 | 0.644 | 130 | 5 | 150 | 2,175 | 0.210 | 0.141 | 70-400-08-01-02 |
| 5/8 BB | 16.5 | 0.654 | -12 | 0.84 | 0.033 | 19.50 | 0.768 | 163 | 6 1/2 | 130 | 1,885 | 0.280 | 0.188 | 70-400-10-01-02 |
| 3/4 BB | 19.8 | 0.780 | - | 1.00 | 0.040 | 22.50 | 0.860 | 180 | 7 | 110 | 1,595 | 0.327 | 0.219 | 70-400-12-01-02 |
| 1 BB | 26.4 | 1.040 | - | 1.00 | 0.040 | 30.10 | 1.190 | 230 | 9 | 80 | 1,160 | 0.524 | 0.351 | 70-400-16-01-02 |

* For Anti-Static Grade, add 10 to the 3-digit part number e.g. 70-100- becomes 70-110 * For Anti-Static Grade, add 10 to the 3-digit part number e.g. 70-100- becomes 70-110

Technical specifications

| | Medium wall, double braid hoses |
|-----------------------------|--|
| Nominal bore size | 0.0625 - 1 in |
| Actual bore size | 2 - 26.4 mm |
| Actual bore size | 0.079 - 1.04 in |
| Outside diameter | 6 - 31.7 mm |
| Outside diameter | 0.236 - 1.249 in |
| Max. operating pressure | 540 bar |
| Max. operating pressure | 7800 psi |
| Burst pressure | 300 - 1,620 bar |
| Burst pressure | 4200 - 23,400 psi |
| Certification | 3.1 Traceability, EN16643:2016, FDA (materials), SAE J1401, SAE J1737, TS 16949:2016 |
| Operating temperature range | -73 to 260 °C |
| Operating temperature range | -100 to 500 °F |
| Bend radius | 11 - 210 mm |
| Bend radius | 0.5 - 8.25 in |
| Braid | Double |
| Cover | EPDM rubber, Flexible PVC, Hytrel, Nylon II, Sarlink, Silicone rubber |
| End fitting | Hydraulic tail end fittings, PTFE tail end fittings |

Materials of construction

| | Medium wall, double braid hoses |
|------------|---|
| Liner tube | Antistatic PTFE, HPG PTFE, Natural PTFE |
| Wire braid | Aramid fiber, Stainless steel |

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14 September 2023