

Heavy Duty Smooth Bore PTFE Single Braid

This highly durable PTFE hose can be used to solve your demanding transfer challenges for liquids such as acids, solvents, fuels, adhesives, hydraulic fluid, hot oils and chemicals of all types. We can produce assemblies to your specific length and diameter needs to connect to your system. If you do not find the exact hose and fitting combination required for your service please contact our Customer Service. You can be assured our Engineering experts will be easy to talk to and focused on solving your problem. .



Applications:

Industrial Equipment, Chemical, Transportation & Food Processing where temperature, pressure, flexing, purity and extreme durability are essential.

Innecore:

Heavy Wall PTFE ; Anti-static also available for conditions that can create static charges. Standard PTFE as well as anti-static tubes are fully FDA compliant. PTFE compliant with ISO 12086 Part I. The heavier wall of this hose makes it more resistant to kinking and easier to install around obstacles.

Reinforcement:

One layer of type 304 stainless steel high tensile wire EN 1.4301

Temperature Range:

-60°C to +260°C (-76°F to +500°F)

Chemical Resistance: *Refer to page 31.*

Burst pressures are based on 70°F (21 °); *for higher temperatures please refer to chart on page 30.*

| IMPERIAL | | | | | | | | | |
|--------------------------|------------------------------|----------------|-------------------|----------------|------------------------------|--------------------------|------------------------|----------------------|----------------|
| Inch Reference # Natural | Inch Reference # Anti-Static | Actual ID (in) | Tol (+/-) ID (in) | Actual OD (in) | Innecore Wall Thickness (in) | Max Working Pressure PSI | Min Burst Pressure PSI | Min Bend Radius (in) | Weight (lb/ft) |
| HDSI0.12N | HDSI0.12C | 0.126 | 0.008 | 0.27 | 0.04 | 4351 | 17405 | 2.0 | 0.05 |
| HDSI0.19N | HDSI0.19C | 0.197 | 0.008 | 0.34 | 0.04 | 3626 | 14504 | 2.0 | 0.08 |
| HDSI0.2N | HDSI0.2C | 0.248 | 0.012 | 0.40 | 0.04 | 3336 | 13344 | 2.4 | 0.09 |
| HDSI0.3N | HDSI0.3C | 0.315 | 0.012 | 0.46 | 0.04 | 2901 | 11603 | 3.9 | 0.13 |
| HDSI0.4N | HDSI0.4C | 0.394 | 0.012 | 0.56 | 0.05 | 2538 | 10153 | 4.7 | 0.17 |
| HDSI0.5N | HDSI0.5C | 0.512 | 0.016 | 0.68 | 0.05 | 2176 | 8702 | 5.3 | 0.22 |
| HDSI0.6N | HDSI0.6C | 0.630 | 0.016 | 0.80 | 0.06 | 1813 | 7252 | 6.5 | 0.30 |
| HDSI0.7N | HDSI0.7C | 0.772 | 0.016 | 0.94 | 0.06 | 1450 | 5802 | 7.5 | 0.35 |
| HDSI0.8N | HDSI0.8C | 0.866 | 0.020 | 1.03 | 0.06 | 1450 | 5802 | 7.9 | 0.38 |
| HDSI1.0N | HDSI1.0C | 1.004 | 0.020 | 1.17 | 0.06 | 1160 | 4641 | 9.8 | 0.47 |

| METRIC | | | | | | | | | |
|----------------------------|--------------------------------|----------------|-------------------|----------------|------------------------------|--------------------------|------------------------|----------------------|---------------|
| Metric Reference # Natural | Metric Reference # Anti-Static | Actual ID (mm) | Tol (+/-) ID (mm) | Actual OD (mm) | Innecore Wall Thickness (mm) | Max Working Pressure Bar | Min Burst Pressure Bar | Min Bend Radius (mm) | Weight (kg/m) |
| HDSM3.2N | HDSM3.2C | 3.2 | 0.20 | 6.9 | 1.00 | 3.00 | 1200 | 50 | 0.08 |
| HDSM5N | HDSM5C | 5.0 | 0.20 | 8.7 | 1.00 | 250 | 1000 | 50 | 0.12 |
| HDSM6.2N | HDSM6.2C | 6.3 | 0.30 | 10.2 | 1.00 | 230 | 920 | 60 | 0.14 |
| HDSM8N | HDSM8C | 8.0 | 0.30 | 11.7 | 1.00 | 200 | 800 | 100 | 0.19 |
| HDSM10N | HDSM10C | 10.0 | 0.30 | 14.2 | 1.30 | 175 | 700 | 120 | 0.25 |
| HDSM13N | HDSM13C | 13.0 | 0.40 | 17.2 | 1.30 | 150 | 600 | 135 | 0.32 |
| HDSM16N | HDSM16C | 16.0 | 0.40 | 20.2 | 1.50 | 125 | 500 | 165 | 0.44 |
| HDSM19N | HDSM19C | 19.6 | 0.40 | 23.8 | 1.50 | 100 | 400 | 190 | 0.52 |
| HDSM22N | HDSM22C | 22.0 | 0.50 | 26.2 | 1.50 | 100 | 400 | 200 | 0.56 |
| HDSM25N | HDSM25C | 25.5 | 0.50 | 29.7 | 1.50 | 80 | 320 | 250 | 0.70 |