

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.
- Innercore:** 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 1. 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 30.
- Burst pressures are based on 70°F (21°C); for higher temperatures please refer to chart on page 29.

IMPERIAL									
Dash Size	Inch Reference # Natural	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)
-3	HDSIO.12N	0.126	0.008	0.27	0.04	3000	12000	2.0	0.05
-4	HDSIO.19N	0.197	0.008	0.34	0.04	3000	12000	2.0	0.08
-5	HDSIO.2N	0.248	0.012	0.40	0.04	3000	12000	2.4	0.09
-6	HDSIO.3N	0.315	0.012	0.46	0.04	2500	10000	3.9	0.13
-8	HDSIO.4N	0.394	0.012	0.56	0.05	2250	9000	4.7	0.17
-10	HDSIO.5N	0.512	0.016	0.68	0.05	1750	7000	5.3	0.22
-12	HDSIO.6N	0.630	0.016	0.80	0.06	1500	6000	6.5	0.30
-14	HDSIO.7N	0.772	0.016	0.94	0.06	1100	4400	7.5	0.35
-16	HDSIO.8N	0.866	0.020	1.03	0.06	1000	4000	7.9	0.38
-18	HDSI1.0N	1.004	0.020	1.17	0.06	900	3600	9.8	0.47

METRIC								
Metric Reference # Natural	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	3.2	0.20	6.9	1.00	300	1200	50	0.08
HDSM5N	5.0	0.20	8.7	1.00	250	1000	50	0.12
HDSM6.2N	6.3	0.30	10.2	1.00	230	920	60	0.14
HDSM8N	8.0	0.30	11.7	1.00	200	800	100	0.19
HDSM10N	10.0	0.30	14.2	1.30	175	700	120	0.25
HDSM13N	13.0	0.40	17.2	1.30	150	600	135	0.32
HDSM16N	16.0	0.40	20.2	1.50	125	500	165	0.44
HDSM19N	19.6	0.40	23.8	1.50	100	400	190	0.52
HDSM22N	22.0	0.50	26.2	1.50	100	400	200	0.56
HDSM25N	25.5	0.50	29.7	1.50	80	320	250	0.70

Note: For anti-static type hose please consult factory for specifications.