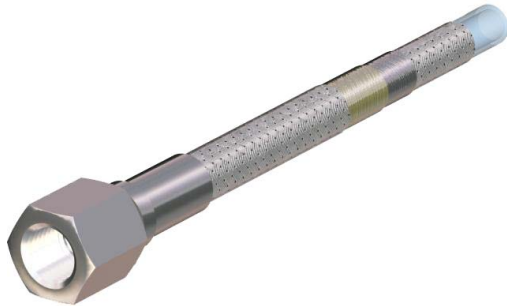


# TSHD PTFE HOSE HIGH PRESSURE SERIES

## DESCRIPTION & APPLICATIONS:

**Series TSHD High Pressure Smooth-Bore PTFE Hose** is designed for your most heavy-duty applications. **TSHD** is ideal for high impulse and high vibration situations. Use **TSHD** in severe pressure impulse and cycling such as reaction injection molding. The conductive PTFE liner is suitable for hydraulic fluids, acids, oils, and corrosive chemicals. Contact Unisource for specific information on chemical resistance. Permanently attached fittings for this hose are designed to be swaged. Special 300 Series stainless steel female JIC swivel fittings for **TSHD** also utilize the unique metal-to-metal lock for complete fitting integrity. Elbow fittings and other styles can be made to order. Other options include spiral wire guard or amour casing. Hose assemblies can be cleaned to C.G.A. standards.



*Unisource Series TSHD hose is constructed with a layer of inner braid, two spiral layers, and an outer braid layer in sizes 1/4" and 3/8". Sizes 1/2" and larger utilize an inner braid, four spiral layers, and an outer braid layer. These multiple layers combine to offer a working pressure of 6000 PSI in sizes up to 1/2", and 4000 PSI in sizes 5/8" through 1". Safety factors in all sizes are 4:1.*

## TSHD SERIES HIGH-PRESSURE HOSE

Smooth-bore conductive PTFE liner, overbraid with multiple layers of stainless steel wire. Sizes 1/4" and 3/8" consist of an inner braid, two spiral layers and an outer braid. Sizes 1/2" through 1" have an inner braid, four spiral layers and an outer braid.

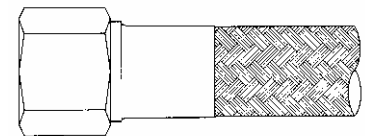
Hose Part Number	Hose Size	Average I.D. (In.)	Average O.D. (In.)	Operating Pressure (PSI)	Burst Pressure (PSI)	Bend Radius (In.)	Weight (Lbs/Ft)	Maximum Continuous Length (Ft)
TSHD-04	1/4	.229	.495	6000	24,000	3.00	.240	50
TSHD-06	3/8	.300	.615	6000	24,000	5.00	.400	50
TSHD-08	1/2	.395	.725	6000	24,000	5.75	.490	35
TSHD-10	5/8	.525	.885	4000*	12,000	6.25	.670	30
TSHD-12	3/4	.650	1.060	4000*	12,000	7.75	.930	30
TSHD-16	1	.875	1.370	4000*	12,000	9.63	1.45	30

\* For service at 400° F. maximum operating pressure is 3,000 PSI.

## FITTINGS

Permanently attached fittings for this hose are designed to be swaged. TSHD fittings also utilize the unique metal-to-metal lock for complete fitting integrity and performance. The material for these fittings is 300 series stainless steel. All elbow fittings are the lightest weight, lowest profile forged and tube design in the industry. The inside diameters shown are minimum dimensions obtained after swaging or crimping. Fittings are straight female swivel--JIC. Stainless steel female NPT rigid fittings are available in 1/4" only.

Stainless Steel	Hose Size	Thread	Overall Length	Deduct Length	Nom. I.D.
TSHD24-04	-4	1/4-18	1.75	.57	.159
TSHD25	-4	7/16-20	1.34	.57	.159
TSHD38	-6	9/16-18	1.42	.65	.250
TSHD50	-8	3/4-16	1.78	.79	.360
TSHD63	-10	7/8-14	1.90	.77	.469
TSHD75	-12	1-1/16-12	1.96	.86	.568
TSHD100	-16	1-5/16-12	2.20	.97	.760



8040 NE 33<sup>rd</sup> Drive/Portland, OR 97211 (503) 281-3781 / Fax (503) 287-4818

**1-800-234-2566**