

MASTERFLEX® L/S® Precision and High-Performance Precision Pump Tubing

Ensure optimal performance from your Masterflex® pump







- Custom extruded to fit Masterflex pumps
- Engineered for long life in peristaltic pump applications
- Lot-to-lot consistency provides superior accuracy and repeatability

Masterflex L/S pump tubing is manufactured to extremely close tolerances that match our L/S pump heads, ensuring accurate, repeatable flow and long tubing life. Our pump tubing is factory-tested and optically inspected to provide the best performance from your peristaltic pump. With 19 different materials available, there is an L/S pump

tubing formulation suitable for nearly any fluid handling application.

Our High-performance precision pump tubing features a thicker wall compared to our Precision pump tubing, making it the best choice for applications involving pressure, suction lift, viscous fluids, or long tubing life.

L/S® Precision Pump Tubing Specifications

Pump tubing cross sections	Precision pump tubing					
						
	L/S 13	L/S 14	L/S 16	L/S 25	L/S 17	L/S 18
Inside diameter (nominal), in. (mm)	0.03 (0.8)	0.06 (1.6)	0.12 (3.1)	0.19 (4.8)	0.25 (6.4)	0.31 (7.9)
Hose barb size, in. (mm)	1/16 (1.6)	1/16 (1.6)	1/8 (3.2)	3/16 (4.8)	1/4 (6.4)	3/8 (9.5)
Flow range (approximate)* with 1 to 600 rpm drive, mL/min	0.06 to 36	0.21 to 130	0.8 to 480	1.7 to 1000	2.8 to 1700	3.8 to 2300
Maximum pressure, continuous [†]	25 psig (1.7 bar)			20 psig (1.4 bar)	15 psig (1.0 bar)	10 psig (0.7 bar)
Maximum pressure, intermittent [†]	40 psig (2.7 bar)			35 psig (2.4 bar)	20 psig (1.4 bar)	15 psig (1.0 bar)
Maximum vacuum [†]	26" Hg (660 mm Hg)					20" Hg (510 mm Hg)
Suction lift [†]	29 ft H ₂ O (8.8 m H ₂ O)					22 ft H ₂ O (6.7 m H ₂ O)

*Determined under the following conditions: 0 psi at inlet, 0.5 psi at outlet; water temperature at 72°F (22°C). [†]Actual performance varies depending on tubing formulation—values shown are for firm tubing. Values for STA-PURE®/CHEM-SURE® pump tubing are 60 psi (4.1 bar) continuous, 100 psi (6.9 bar) intermittent.

L/S® Precision Pump Tubing Ordering Information

Pump tubing formulation / size		L/S 13	L/S 14	L/S 16	L/S 25	L/S 17	L/S 18
Silicone (platinum-cured)	25 ft (7.6 m) per pack	KH-96410-13	KH-96410-14	KH-96410-16	KH-96410-25	KH-96410-17	KH-96410-18
Silicone (peroxide-cured)	25 ft (7.6 m) per pack	KH-96400-13	KH-96400-14	KH-96400-16	KH-96400-25	KH-96400-17	KH-96400-18
BioPharm silicone (platinum-cured)	25 ft (7.6 m) per pack	KH-96420-13	KH-96420-14	KH-96420-16	KH-96420-25	KH-96420-17	KH-96420-18
BioPharm Plus silicone (platinum-cured)	25 ft (7.6 m) per pack	KH-96440-13	KH-96440-14	KH-96440-16	KH-96440-25	KH-96440-17	KH-96440-18
C-FLEX® (50 A)	25 ft (7.6 m) per pack	KH-06424-13	KH-06424-14	KH-06424-16	KH-06424-25	KH-06424-17	KH-06424-18
PharMed® BPT	25 ft (7.6 m) per pack	KH-06508-13	KH-06508-14	KH-06508-16	KH-06508-25	KH-06508-17	KH-06508-18
PharmaPure®†	25 ft (7.6 m) per pack	KH-06435-13	KH-06435-14	KH-06435-16	KH-06435-25	KH-06435-17	KH-06435-18
STA-PURE®	12' (30.5 cm) per pack	—	KH-96200-14	KH-96200-16	KH-96200-25	KH-96200-17	KH-96200-18
CHEM-SURE®	12' (30.5 cm) per pack	—	KH-96210-14	KH-96210-16	KH-96210-25	KH-96210-17	KH-96210-18
Tygon® LFL	25 ft (7.6 m) per pack	KH-06429-13	KH-06429-14	KH-06429-16	KH-06429-25	KH-06429-17	KH-06429-18
Tygon® Food (B-44-4X)	50 ft (15.2 m) per pack	KH-06419-13	KH-06419-14	KH-06419-16	KH-06419-25	KH-06419-17	KH-06419-18
Tygon® lab (R-3603)	50 ft (15.2 m) per pack	KH-06409-13	KH-06409-14	KH-06409-16	KH-06409-25	KH-06409-17	KH-06409-18
Tygon® fuel & lubricant (F-4040-A)	50 ft (15.2 m) per pack	KH-06401-13	KH-06401-14	KH-06401-16	KH-06401-25	KH-06401-17	KH-06401-18
Tygon® chemical (2001)†	50 ft (15.2 m) per pack	KH-06475-13	KH-06475-14	KH-06475-16	KH-06475-25	KH-06475-17	KH-06475-18
Norprene® (A 60 G)	50 ft (15.2 m) per pack	KH-06404-13	KH-06404-14	KH-06404-16	KH-06404-25	KH-06404-17	KH-06404-18
Norprene® Food (A 60 F)	50 ft (15.2 m) per pack	KH-06402-13	KH-06402-14	KH-06402-16	KH-06402-25	KH-06402-17	KH-06402-18
Chem-Durance™	50 ft (15.2 m) per pack	New KH-06432-13	KH-06432-14	KH-06432-16	KH-06432-25	KH-06432-17	KH-06432-18
Viton®	25 ft (7.6 m) per pack	KH-06412-13	KH-06412-14	KH-06412-16	KH-06412-25	KH-06412-17	KH-06412-18
FDA Viton®	25 ft (7.6 m) per pack	KH-96412-13	KH-96412-14	KH-96412-16	KH-96412-25	KH-96412-17	KH-96412-18

†These formulations are recommended for use with Easy-Load® and Easy-Load® II pump heads only.