

L/S® Precision Pump Tubing

Ensure optimal performance from your Masterflex pump

- Custom extruded to fit Masterflex pumps
- Engineered for long life in peristaltic pump applications

– Custom extruded to fit Masterflex pumps – Engineered for long life in peristaltic pump applications		Tubing size	L/S 13	L/S 14	L/S 16	L/S 25	L/S 17	L/S 18
		Inner diameter	0.8 mm (0.03")	1.6 mm (0.06")	3.1 mm (0.12")	4.8 mm (0.19")	6.4 mm (0.25")	7.9 mm (0.31")
		Hose barb size	1.6 mm (1/16")	1.6 mm (1/16")	3.2 mm (1/8")	4.8 mm (3/16")	6.4 mm (1/4")	9.5 mm (3/8")
		Flow range (approximate)†	0.06 to 36 mL/min	0.21 to 130 mL/min	0.8 to 480 mL/min	1.7 to 1000 mL/min	2.8 to 1700 mL/min	3.8 to 2300 mL/min
Pump tubing formulation	Description	Compatible pump head						
Silicone (platinum-cured) 	– Complies with USP Class V, EP, FDA, REACH, RoHS, ADCF – Low protein binding, fungus resistant, phthalate and latex-free – Accommodates a wide temperature range	✓ Standard ✓ Easy-Load® ✓ Easy-Load II ✓ Easy-Load 3 ✓ Multichannel cartridge	GY-96410-13	GY-96410-14	GY-96410-16	GY-96410-25	GY-96410-17	GY-96410-18
			7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk
Silicone (peroxide-cured) 	– Complies with USP Class VI, EP, FDA, 3A, REACH, RoHS, ADCF – Greater physical compression capability – Economical, longer tubing life	✓ Standard ✓ Easy-Load ✓ Easy-Load II ✓ Easy-Load 3 ✓ Multichannel cartridge	GY-96400-13	GY-96400-14	GY-96400-16	GY-96400-25	GY-96400-17	GY-96400-18
			7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk
BioPharm Silicone (platinum-cured) 	– Complies with USP Class VI, EP, FDA, 3A, REACH, RoHS, ADCF – Low absorption; excellent biocompatibility – Very low extractable; weather, ozone, corona, radiation resistant	✓ Standard ✓ Easy-Load ✓ Easy-Load II ✓ Easy-Load 3 ✓ Multichannel cartridge	GY-96420-13	GY-96420-14	GY-96420-16	GY-96420-25	GY-96420-17	GY-96420-18
			7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk
BioPharm Plus Silicone (platinum-cured) 	– Complies with USP Class VI, EP, FDA, REACH, RoHS, ADCF – Ultra-smooth—minimizes particle entrapment – Very low extractable—ideal for lab, biotech, and pharmaceutical applications	✓ Standard ✓ Easy-Load ✓ Easy-Load II ✓ Easy-Load 3 ✓ Multichannel cartridge	GY-96440-13	GY-96440-14	GY-96440-16	GY-96440-25	GY-96440-17	GY-96440-18
			7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk
Puri-Flex™ 	– Complies with USP Class VI, FDA, 3A, REACH, RoHS, ADCF – Heat sealable, weldable, and economical – Long pump life when compared to silicone or many other TPE tubings	✓ Standard ✓ Easy-Load ✓ Easy-Load II ✓ Easy-Load 3 ✓ Multichannel cartridge	GY-96419-13	GY-96419-14	GY-96419-16	GY-96419-25	GY-96419-17	GY-96419-18
			7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk
C-Flex® 	– Complies with USP Class VI, EP, REACH, RoHS, ADCF – Heat sealable, weldable, economical – Better resistance to pH fluctuations	✓ Standard ✓ Easy-Load ✓ Easy-Load II ✓ Easy-Load 3 ✓ Multichannel cartridge	GY-06424-13	GY-06424-14	GY-06424-16	GY-06424-25	GY-06424-17	GY-06424-18
			7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk
C-Flex® ULTRA  NEW	– Complies with USP Class VI, EP, REACH, RoHS, ADCF – Longest life of any C-Flex formulation – Lowest spallation and reduced residue	✓ Standard ✓ Easy-Load ✓ Easy-Load II ✓ Easy-Load 3 ✓ Multichannel cartridge	—	GY-06434-14	GY-06434-16	GY-06434-25	GY-06434-17	GY-06434-18
			—	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk
PharMed® BPT 	– Complies with USP Class VI, EP, FDA, NSF, REACH, RoHS – >10,000 hours of tubing life; sealable, weldable – Ideal for tissue and cell culture work	✓ Standard ✓ Easy-Load ✓ Easy-Load II ✓ Easy-Load 3 ✓ Multichannel cartridge	GY-06508-13	GY-06508-14	GY-06508-16	GY-06508-25	GY-06508-17	GY-06508-18
			7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk
PharmaPure® 	– Complies with USP Class VI, EP, FDA, REACH, RoHS – Nontoxic and nonhemolytic biocompatible – Long life even under pressure with VERY low spallation	✓ Easy-Load ✓ Easy-Load II	GY-06435-13	GY-06435-14	GY-06435-16	GY-06435-25	GY-06435-17	GY-06435-18
			7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk	7.6 m (25 ft)/pk

†Determined under the following conditions: Using a 1 to 600 rpm drive; 0 psi at inlet, 0.5 psi at outlet; water temperature at 22°C (72°F).

Benchtop Tubing Cutter

Steel blade makes right-angle cuts in several sizes of Masterflex tubing:

C/L® 2.06 mm, 2.79 mm OD
L/S® sizes 13, 14, 15, 16, 17, 18, 24, 25, 35, 36
I/P® sizes 26, 73

[GY-06438-10](#) Benchtop tubing cutter



Tubing size	L/S 13	L/S 14	L/S 16	L/S 25	L/S 17	L/S 18
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Pump tubing formulation	Description	Compatible pump head						
Chem-Durance® Bio	- Complies: USP Class VI, FDA, REACH, RoHS - Excellent chemical compatibility and biocompatibility - Excellent pump life and durability under pressure	✓ Easy-Load ✓ Easy-Load II	GY-06442-13	GY-06442-14	GY-06442-16	GY-06442-25	GY-06442-17	GY-06442-18
Solve-Flex®	- Complies with USP Class VI - Excellent chemical resistance, especially with solvents - Low spallation - Fluoropolymer lined tubing	✓ Easy-Load ✓ Easy-Load II	—	—	—	—	GY-96446-17	—
Tygon® E-LFL	- Complies with USP Class VI, EP, FDA, EU Food, REACH, RoHS, ADCF - Longest life of all Tygon formulations - Broad chemical resistance	✓ Standard ✓ Easy-Load ✓ Easy-Load II ✓ Easy-Load 3 ✓ Multichannel cartridge	GY-06440-13	GY-06440-14	GY-06440-16	GY-06440-25	GY-06440-17	GY-06440-18
Tygon E-Food (B-44-4X)	- Complies with FDA, EU Food, NSF, 3A, REACH, RoHS, ADCF - Smooth inner surface unaffected by commercial sanitizers - Nontoxic; will not affect taste or odor	✓ Standard ✓ Easy-Load ✓ Easy-Load II ✓ Easy-Load 3 ✓ Multichannel cartridge	GY-06418-13	GY-06418-14	GY-06418-16	GY-06418-25	GY-06418-17	GY-06418-18
Tygon E-Lab (E-3603)	- Complies with USP Class VI, FDA, EU Food, NSF, REACH, RoHS, ADCF - Ideal for general transfer applications - Nonaging, nonoxidizing, low gas permeability	✓ Standard ✓ Easy-Load ✓ Easy-Load II ✓ Easy-Load 3 ✓ Multichannel cartridge	GY-06509-13	GY-06509-14	GY-06509-16	GY-06509-25	GY-06509-17	GY-06509-18
Tygon Fuel & Lubricant (F-4040-A)	- Complies with REACH, RoHS, ADCF - Specially formulated to transport hydrocarbons, petroleum products, and distillates - Low gas permeability	✓ Standard ✓ Easy-Load ✓ Easy-Load II ✓ Easy-Load 3 ✓ Multichannel cartridge	GY-06401-13	GY-06401-14	GY-06401-16	GY-06401-25	GY-06401-17	GY-06401-18
Tygon Chemical (2001)	- Complies with FDA 21 CFR 175.300, REACH, RoHS, ADCF - Best chemical resistance of Tygon formulations - Plasticizer-free with low gas permeability	✓ Easy-Load ✓ Easy-Load II	GY-06475-13	GY-06475-14	GY-06475-16	GY-06475-25	GY-06475-17	GY-06475-18
Norprene® (A-60 G)	- Complies with NSF, REACH, RoHS - Up to 10,000 hours of tubing life - Excellent choice for pressure/vacuum applications	✓ Standard ✓ Easy-Load ✓ Easy-Load II ✓ Easy-Load 3 ✓ Multichannel cartridge	GY-06404-13	GY-06404-14	GY-06404-16	GY-06404-25	GY-06404-17	GY-06404-18
Norprene Food (A 60 F)	- Complies with FDA, 3A, NSF, REACH, RoHS - Ideal for high-temperature food applications - Resists heat, ozone, acids, and alkalis	✓ Standard ✓ Easy-Load ✓ Easy-Load II ✓ Easy-Load 3 ✓ Multichannel cartridge	GY-06402-13	GY-06402-14	GY-06402-16	GY-06402-25	GY-06402-17	GY-06402-18
Viton®	- Complies with FDA, ADCF - Perfect for applications where FDA and chemical compatibility is needed - Resists corrosives, solvents, and oils at elevated temperatures	✓ Standard ✓ Easy-Load ✓ Easy-Load II ✓ Easy-Load 3 ✓ Multichannel cartridge	GY-96412-13	GY-96412-14	GY-96412-16	GY-96412-25	GY-96412-17	GY-96412-18