

Barb Styles

500 Series					Tube Internal Diameter	
Size	OD	ID	Decimal	Fraction	Metric	
004	0.102	0.06	0.063	1/16"	1.50 mm	
007	0.129	0.076	0.094	3/32"	2.25 mm	
013	0.164	0.096	0.125	1/8"	3.00 mm	
025	0.208	0.122	0.156	5/32"	4.00 mm	
035	0.264	0.155	0.188	3/16"	4.75 mm	
055	0.335	0.197	0.25	1/4"	6.25 mm	
065	0.425	0.25	0.312	5/16"	8.00 mm	



The 500 Series profile is composed of blended radii giving it the distinct look. Each barb is designed to accommodate a range of tube sizes and tube types. Consideration should be given to flow restriction, pressure capability, and the force required for assembly of the tube.

400 Series			Tube Internal Diameter			
Size	OD	ID	Decimal	Fraction	Metric	
410	0.078	0.046	0.063	1/16"	1.50 mm	
420	0.117	0.068	0.094	3/32"	2.25 mm	
430	0.156	0.092	0.125	1/8"	3.00 mm	
440	0.206	0.125	0.156	5/32"	4.00 mm	
445	0.213	0.125	0.17	—	4.25 mm	
450	0.234	0.137	0.188	3/16"	4.75 mm	
460	0.313	0.184	0.25	1/4"	6.25 mm	



The 400 Series provides easy assembly while maintaining excellent pressure and tensile capabilities. Originally created for semi-rigid tubing, this series is preferred for applications where tensile/pressure properties are not highly critical, or when ease of assembly is desired. The 400 Series expands the tubing 25% above its nominal inside diameter.

300 Series					Tube Internal Diameter	
Size	OD	ID	Decimal	Fraction	Metric	
360	0.338	0.192	0.25	1/4"	6.25 mm	



The 300 Series offers outstanding performance characteristics when used with flexible tubing. Tubing is expanded by 35% above its nominal inside diameter, permitting high-pressure capabilities in the larger tube sizes. This barb style provides high flow efficiency and excellent tensile strength.

200 Series					Tube Internal Diameter	
Size	OD	ID	Decimal	Fraction	Metric	
210	0.094	0.047	0.063	1/16"	1.50 mm	
220	0.141	0.07	0.094	3/32"	2.25 mm	
230	0.188	0.094	0.125	1/8"	3.00 mm	
240	0.234	0.117	0.156	5/32"	4.00 mm	
250	0.282	0.141	0.188	3/16"	4.75 mm	
260	0.375	0.188	0.25	1/4"	6.25 mm	



The 200 Series offers outstanding performance characteristics when used with flexible tubing. Tubing is expanded by 50% above its nominal inside diameter, permitting high-pressure capabilities.

Classic Series			Tube Internal Diameter			
Size	OD	ID	Decimal	Fraction	Metric	
10	0.105	0.046	0.063	1/16"	1.50 mm	

20	0.145	0.06	0.094	3/32"	2.25 mm
30	0.187	0.078	0.125	1/8"	3.00 mm
40	0.234	0.1	0.156	5/32"	4.00 mm
50	0.28	0.13	0.188	3/16"	4.75 mm
60	0.355	0.187	0.25	1/4"	6.25 mm



The Classic Series is characterized by a longer barb that extends the sealing surface of the fitting. Tubing is expanded from 42% to 69% above its nominal inside diameter. Allows for greater sealing capability with smaller diameters, and easier assembly as the barb size increases.

900 Series					Tube Internal Diameter
Size	OD	ID	Decimal	Fraction	Metric
970	0.437	0.269	0.375	3/8"	9.5 mm
975	0.573	0.358	0.500	1/2"	12.75 mm



The 900 Series offers outstanding performance characteristics when used with flexible tubing. Tubing is expanded from 8% to 17% above its nominal ID. This barb provides high flow efficiency and excellent tensile strength. A hose clamp is recommended for this series.


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