

## Stainless Steel Barbed Fittings

Modern design combined with state-of-the-art metallurgy has these fittings in seamless configurations impossible to produce with welded fabrication. In addition, the molybdenum bearing, austenitic 316L stainless products are far more resistant to pitting and corrosion than those built using welded 304 stainless steel construction. 316L Stainless Steel range of products is manufactured to meet the chemical and mechanical property specifications of ASTM A240 and ASME SA-240. They are designed to withstand extreme conditions (heat, corrosion, impact). ROHS compliant.

### SS Barb Specification

Hose ID Size	Metric Equivalent	Thru Hole ID	Barb Diameter	Hose ID Size	Metric Equivalent	Thru Hole ID	Barb Diameter
3/32"	2.38 mm	.066"	.152"	5/16"	7.94 mm	.217"	.372"
1/8"	3.18 mm	.082"	.180"	3/8"	9.50 mm	.312"	.498"
5/32"	3.97 mm	.100"	.215"	1/2"	12.7 mm	.400"	.619"
3/16"	4.76 mm	.127"	.260"	5/8"	15.9 mm	.495"	.743"
1/4"	6.35 mm	.167"	.314"	3/4"	19.0	.667	.956"

NOTE: Stainless steel fittings have been developed for use with specialty tubing and hose. Applications using rigid, high durometer, thick walled tubing or hose may require a smaller fitting; therefore, individual part sampling is recommended prior to placing a quantity order.

### 316L Stainless Steel – Chemical Chart

Acetic Acid	A	Hydrofluoric Acid	B
Acetone	A	Isopropyl Alcohol	B
Air	A	Methyl Ethyl Ketone(MEK)	A
Ammonia	A	Methanol	A
Benzene	B	Oxygen	A
Carbon Dioxide	A	Ozone	A
Chlorine Water	C	Steam	A
Ethanol	A	Sulfuric Acid	B
Ethylene Glycol	A	Toluene	A
Gasoline, Unleaded	A	Trichloroethylene	B
Hydrochloric Acid	D	Water, Fresh	A

A = Excellent(no effect) B = Good (minor effect) C = Fair (moderate effect) D = Poor (severe effect)

Data presented for properties of materials and chemical resistance is for reference only. Customer applications and conditions of use are beyond our control; therefore, it is imperative that customers test Eldon James products in their specific application to determine suitability. All information is provided without implied or expressed warranty or guarantee, None of the information provided constitutes a recommendation or endorsement of any kind by Eldon James Corporation.