



Stainless Steel Fittings

# Stainless Steel

Modern design combined with state-of-the-art metallurgy technology enables Eldon James to offer molded connector configurations that were previously unavailable in steel alloy fittings.

Please note: Eldon James molybdenum bearing, austenitic 316L stainless steel fittings are more resistant to pitting and corrosion than fittings fabricated with type 304 stainless steel, which are built using welded-construction techniques.

This range of fittings is manufactured to meet the chemical and mechanical property specifications of **ASTM A240** and **ASME SA-240**



- Corrosion Resistant • Heat and Flame Resistant
- Impact Resistant • Strength-to-Weight Advantage

ISO 9001  
Quality System

## Adapters



### 316L Stainless Steel

Size	Part Number	.	.	.
1/8"NPT • 1/4"	A2-4 SS	.	.	.
1/4"NPT • 1/4"	A4-4 SS	.	.	.
1/4"NPT • 5/16"	A4-5 SS	.	.	.

Stainless Steel fittings are RoHS compliant

**NOTE:** Eldon James stainless steel *single barb 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. Eldon James stainless steel fittings are "MADE TO ORDER". The lead time for quantity purchases is 4 to 6 weeks. Smaller quantities of stainless steel fittings can generally be purchased from stock.

Eldon James



# Couplers



316L Stainless Steel

Hose Size	Part Number	.	.	.	Fits Metric Size Hose ID
1/8"	C0-2 SS	.	.	.	3.18 mm
5/32"	C0-2.5 SS	.	.	.	3.97 mm
3/16"	C0-3 SS	.	.	.	4.76 mm
1/4"	C0-4 SS	.	.	.	6.35 mm
5/16"	C0-5 SS	.	.	.	7.94 mm
3/8"	C0-6 SS	.	.	.	9.5 mm
1/2"	C0-8 SS	.	.	.	12.7 mm
5/8"	C0-10 SS	.	.	.	15.9 mm
3/4"	C0-12 SS	.	.	.	19 mm



# Couplers-Reduction

316L Stainless Steel

Hose Size	Part Number	.	.	.	Fits Metric Size Hose ID
1/8" • 3/32"	C2-1.5 SS	.	.	.	3.18 mm • 2.38 mm
5/32" • 3/32"	C2.5 -1.5 SS	.	.	.	3.97 mm • 2.38 mm
1/4" • 1/8"	C4-2 SS	.	.	.	6.35 mm • 3.18 mm
1/4" • 5/32"	C4-2.5 SS	.	.	.	6.35 mm • 3.97 mm
1/4" • 3/16"	C4-3 SS	.	.	.	6.35 mm • 4.76 mm
5/16" • 1/4"	C5-4 SS	.	.	.	7.94 mm • 6.35 mm
1/2" • 1/4"	C8-4 SS	.	.	.	12.7 mm • 6.35 mm
3/4" • 1/2"	C12-8 SS	.	.	.	19 mm • 12.7 mm

Stainless Steel fittings - barb specification details

Use with Hose ID	EJ Barb #	Thru Hole ID	Barb Diameter	Barb Diameter Metric
3/32"	1.5	.066"	.152"	3.86 mm
1/8"	2	.082"	.180"	4.57 mm
5/32"	2.5	.100"	.215"	5.46 mm
3/16"	3	.127"	.260"	6.60 mm
1/4"	4	.167"	.314"	7.98 mm
5/16"	5	.217"	.372"	9.45 mm
3/8"	6	.312"	.498"	12.65 mm
1/2"	8	.400"	.619"	15.72 mm
5/8"	10	.495"	.743"	18.87 mm
3/4"	12	.667"	.956"	24.28 mm

## Elbows



### 316L Stainless Steel

Hose Size	Part Number	.	.	.	Fits Metric Size Hose ID
1/8"	L0-2 SS	.	.	.	3.18 mm
5/32"	L0-2.5 SS	.	.	.	3.97 mm
3/16"	L0-3 SS	.	.	.	4.76 mm
1/4"	L0-4 SS	.	.	.	6.35 mm
5/16"	L0-5 SS	.	.	.	7.94 mm
3/8"	L0-6 SS	.	.	.	9.5 mm
1/2"	L0-8 SS	.	.	.	12.7 mm
5/8"	L0-10 SS	.	.	.	15.9 mm
3/4"	L0-12 SS	.	.	.	19 mm



## Elbow-Reduction

### 316L Stainless Steel

Hose Size	Part Number	.	.	.	Fits Metric Size Hose ID
3/8" • 5/16"	RL6-5 SS	.	.	.	9.5 mm • 7.94 mm

Stainless Steel fittings are RoHS compliant



## Tees-Equal

### 316L Stainless Steel

Hose Size	Part Number	.	.	.	Fits Metric Size Hose ID
1/8"	T0-2 SS	.	.	.	3.18 mm
5/32"	T0-2.5 SS	.	.	.	3.97 mm
3/16"	T0-3 SS	.	.	.	4.76 mm
1/4"	T0-4 SS	.	.	.	6.35 mm
5/16"	T0-5 SS	.	.	.	7.94 mm
3/8"	T0-6 SS	.	.	.	9.5 mm
1/2"	T0-8 SS	.	.	.	12.7 mm
5/8"	T0-10 SS	.	.	.	15.9 mm
3/4"	T0-12 SS	.	.	.	19 mm



# Tees-Reduction



## 316L Stainless Steel

Hose Size	Part Number	.	.	.	Fits Metric Size Hose ID
1/8" • 5/16"	RT2-5 SS	.	.	.	3.18 mm • 7.94 mm
3/8" • 5/16"	RT6-5 SS	.	.	.	9.5 mm • 7.94 mm
1/2" • 5/16"	RT8-5 SS	.	.	.	12.7 mm • 7.94 mm
5/8" • 5/16"	RT10-5 SS	.	.	.	15.9 mm • 7.94 mm
5/8" • 3/8"	RT10-6 SS	.	.	.	15.9 mm • 9.5 mm

# Y-Connectors



## 316L Stainless Steel

Hose Size	Part Number	.	.	.	Fits Metric Size Hose ID
5/32"	Y0-2.5 SS	.	.	.	3.97 mm
3/16"	Y0-3 SS	.	.	.	4.76 mm
5/16"	Y0-5 SS	.	.	.	7.94 mm
3/8"	Y0-6 SS	.	.	.	9.5 mm
1/2"	Y0-8 SS	.	.	.	12.7 mm

Chemical Compatibility - 316L Stainless Steel Fittings			
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, and none of the information provided constitutes a recommendation or endorsement of any kind by Eldon James Corporation.