

STAINLESS STEEL



Eldon James

STAINLESS STEEL



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Chemical Resistance of 316L Stainless Steel

A = Excellent (No Effect)

B = Good (Minor Effect)

C = Fair (Moderate Effect)

D = Poor (Severe Effect)

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

Disinfectant and Sterilization Methods of 316L Stainless Steel

Formalin	Excellent
Isopropyl Alcohol	Excellent
Ethyl Alcohol	Excellent
Ethylene Oxide	Excellent
Autoclave	Excellent
E-Beam	Excellent
Gamma	Excellent
Dry Heat	Excellent

Stainless Steel Barb Details

Use with Hose ID	EJ Barb #	Thru Hole ID	Barb Diameter
1/8"	2	.100"	.215"
3/16"	3	.127"	.260"
1/4"	4	.167"	.314"
5/16"	5	.217"	.372"
3/8"	6	.312"	.498"
1/2"	8	.400"	.619"
5/8"	10	.495"	.743"
3/4"	12	.667"	.956"

Data presented 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.

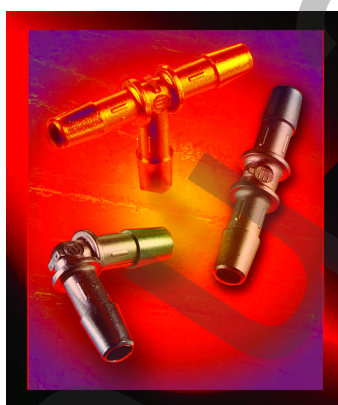
Stainless Steel

ISO 9001

Introducing the Eldon James Stainless Steel fitting line of connectors, elbows, T's, Y's and reducers. The combination of our outstanding part design and modern metal forming technologies has enabled us to offer exciting options for **316L Stainless Steel** fitting requirements. Our finely crafted single barbed fittings are produced with molybdenum bearing austenitic 316L Stainless Steel which is more resistant to general corrosion and pitting than Type 304.

Eldon James Stainless Steel fittings are manufactured to meet the chemical and mechanical property specifications of **ASTM B883-97**.

NOTE: Eldon James Stainless Steel single barb fittings have been developed for use with specialty tubing and hose. Ridged, high durometer, thick walled tubing and hose applications may require a smaller fitting. Individual part sampling is recommended prior to quantity purchasing. The Eldon James Stainless Steel proprietary line of fittings is "**MADE TO ORDER**". Lead time for quantity purchases is 3 to 5 weeks.



- Corrosion Resistance
- Fire and Heat Resistance
- Hygiene
- Impact Resistance
- Strength-to-Weight Advantage
- Long Term Value



Stainless Steel Couplers

316L Stainless Steel

Hose Size	Part Number	100+ / piece	50+ / piece	1-50 / piece
1/8"	C0-2SS	1.96	2.31	2.62
3/16"	C0-3SS	2.44	2.87	3.26
1/4"	C0-4SS	2.91	3.42	3.89
5/16"	C0-5SS	3.32	3.89	4.43
3/8"	C0-6SS	5.79	6.79	7.72
1/2"	C0-8SS	8.96	10.50	11.94
5/8"	C0-10SS	11.12	13.05	14.83
3/4"	C0-12SS	16.02	18.77	21.34

Stainless Steel Y's



316L Stainless Steel

Hose Size	Part Number	100+ / piece	50+ / piece	1-50 / piece
1/8"	Y0-2SS	5.11	6.38	9.35
3/16"	Y0-3SS	7.86	9.83	14.38
5/16"	Y0-5SS	15.96	19.95	29.21
3/8"	Y0-6SS	17.23	21.54	31.54



Stainless Steel Tees

316L Stainless Steel

Hose Size	Part Number	100+ / piece	50+ / piece	1-50 / piece
1/8"	T0-2SS	6.34	7.44	8.46
3/16"	T0-3SS	9.51	11.15	12.67
1/4"	T0-4SS	10.23	12.00	13.64
5/16"	T0-5SS	13.76	16.15	18.35
3/8"	T0-6SS	17.59	20.66	23.46
1/2"	T0-8SS	21.35	25.05	28.47
5/8"	T0-10SS	25.63	30.07	38.14
3/4"	T0-12SS	32.31	37.91	43.08

Stainless Steel Reduction Tees



316L Stainless Steel

Hose Size	Part Number	100+ / piece	50+ / piece	1-50 / piece
1/8" • 5/16"	RT2-5SS	9.19	10.78	12.26
3/8" • 5/16"	RT6-5SS	17.06	20.02	22.75
1/2" • 5/16"	RT8-5SS	19.11	22.42	25.48
5/8" • 5/16"	RT10-5SS	23.58	27.66	31.44
5/8" • 3/8"	RT10-6SS	23.58	27.66	31.44



Stainless Steel Reduction Couplers

■ 316L Stainless Steel

Hose Size	Part Number	100+ / piece	50+ / piece	1-50 / piece
1/8" • 1/16"	C2-1SS	2.84	3.34	3.79
1/4" • 3/16"	C4-3SS	4.07	4.77	5.43
1/2" • 1/4"	C8-4SS	6.24	7.37	8.32
3/4" • 1/2"	C12-8SS	6.84	8.02	9.11

Stainless Steel Elbows



■ 316L Stainless Steel

Hose Size	Part Number	100+ / piece	50+ / piece	1-50 / piece
1/8"	L0-2SS	3.98	4.67	5.31
3/16"	L0-3SS	5.61	6.59	7.49
1/4"	L0-4SS	8.65	10.15	11.54
5/16"	L0-5SS	10.05	11.80	13.41
3/8"	L0-6SS	13.09	15.36	17.46
1/2"	L0-8SS	15.63	18.34	20.84
5/8"	L0-10SS	19.33	22.68	25.78
3/4"	L0-12SS	24.11	28.29	32.15



Stainless Steel Reduction Elbow

■ 316L Stainless Steel

Hose Size	Part Number	100+ / piece	50+ / piece	1-50 / piece
3/8" • 5/16"	RL6-5SS	9.76	11.45	13.01