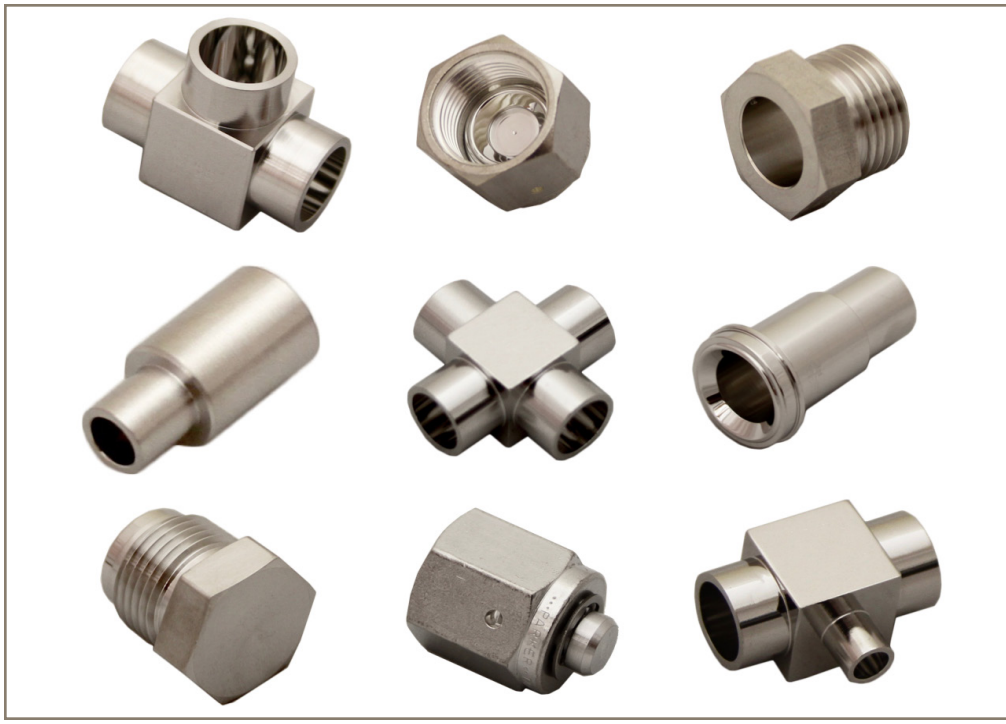
Fittings

Metal Face Seal and Weld Fittings

Fittings designed for ultra-high purity conditions for critical applications

These UHP fittings are designed for critical applications where ultra-high pure conditions are required.

The weld fittings provide compact designs for use with orbital weld equipment and the metal face seal fittings provide a high integrity metal-to-metal seal for reliable service from vacuum to positive pressure.



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Product Features:

- Ultra-High Purity cleaning, assembly, and packaging in a Class 100 Clean Room environment for all wetted components.
- Material traceability to original mill certificate.
- Semi F20 compliant material for all face seal glands and weld fittings.
- Metal face seal fittings are rated to $1x10^{-9}$ scc/sec He inboard when installed
- Tube butt weld ends are square and sharp
- For use with orbital welding equipment.
- Highly controlled internal wetted surfaces.

Parker

ENGINEERING YOUR SUCCESS.

Metal Face Seal and Weld Fittings

Index

Metal Face Seal and Weld Fittings

Index

Metal Face Seal Fittings

Introduction

Parker metal face seal fittings are designed for critical applications where ultra-high pure conditions are required. The mating gasket and toroid design provide a high integrity metal-to-metal seal for reliable service from vacuum to positive pressure.

Specifications

- Pressure ratings comply with calculations per ANSI Code for Pressure Piping B31.3 using 20 ksi allowable stress factor for 316 at ambient temperature (72°F)
- Dimensions are for reference only and are subject to change.
- Female Nut load bearing surfaces are Silver plated with a protective coating. Avoid aggressive chemical processes used for cleaning, electropolishing and passivation that will remove plating. Removal or damage to plating will cause threads to gall, damaging fitting components and preventing a proper seal.
- Leakage: Metal face seal products are rated to a Helium inboard leak rate of 1 X 10^{-9} STD cc/sec.
- Standard finish metal face seal fittings have an internal surface roughness average of 10 µin. (0.25µm) Ra. PE finished fittings have an internal surface roughness average of 5 µin. (0.13µm) Ra.
- Ultra high purity cleaning, assembly, and packaging in a Class 100 clean room environment is standard for all wetted components.

Features

- **Compact Design** allows for system miniaturization and close coupled spacing.
- **Material traceability** via permanently marked heat codes on each wetted component.
- **Permanent product designation** identifies manufacturer, material and internal finish when applicable.
- **Enhanced female nut silver plating** promotes consistent easy assembly.
- **Controlled wetted surfaces** meet stringent ultra high purity system requirements by preventing outgassing and inhibiting corrosion.
- **Patented Torqtite™ gasket** promotes sealing of damaged toroids and virtually eliminates assembly loosening due to vibration or thermo-cycling.

Materials

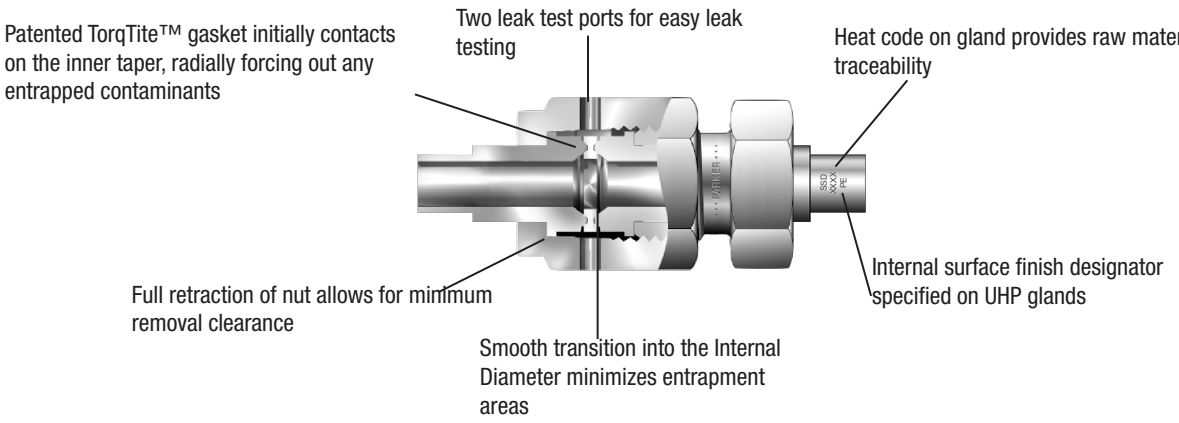
Typical Raw Material Specifications

Fitting Material	Designator	Bar Stock	Recommended Tubing Specifications
Stainless Steel 316	SS	ASTM A276, ASME SA479	ASME SA213, ASTM A213, ASTM A249
Stainless Steel 316L	SSS	Semi F20-0706 ASTM A276, ASME SA479	ASME SA213, ASTM A213, ASTM A249
Stainless Steel 316L, double melt	SSD	Semi F20-0706 ASTM A276, ASME SA479	ASTM A269, MIL T8504, MIL T8506

Gaskets Typical Raw Material Specifications

MATERIAL SPECIFICATIONS	
Nickel	ASTM B162 (unplated)
Stainless Steel	ASTM A167 (Silver plated)

*Material is marked with heat code to ensure raw material traceability.

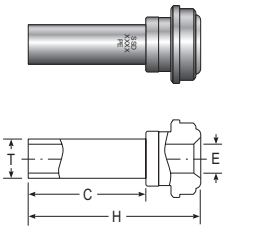


Metal Face Seal Fittings

Glands

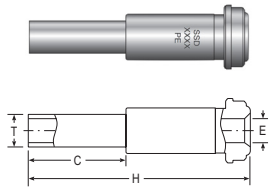
Female Gland

Face Seal Size	T Tube O.D.	Ordering Number	C		E		H		Normal Wall Thickness	Working Pressure	
			in.	mm	in.	mm	in.	mm		psi	bar
1/4	1/4	□ - 4FG-25	0.25	6.3	0.18	4.6	0.60	15.2	0.035	5100	350
1/4	1/4	□ - 4FG-38	0.38	9.7	0.18	4.6	0.72	18.3	0.035	5100	350
1/4	1/4	□ - 4FG-75	0.75	19.0	0.18	4.6	1.10	27.9	0.035	5100	350
1/2	1/4	□ - 84FG-75	0.75	19.0	0.18	4.6	1.12	28.4	0.035	3500	240
1/2	3/8	□ - 86FG-25	0.25	6.3	0.30	7.9	0.63	15.7	0.035	3300	220
1/2	3/8	□ - 86FG-75	0.75	19.0	0.30	7.9	1.12	28.4	0.035	3300	220
1/2	1/2	□ - 8FG-25	0.25	6.3	0.40	10.2	0.63	15.7	0.049	3500	240
1/2	1/2	□ - 8FG-38	0.38	9.7	0.40	10.2	0.74	18.8	0.049	3500	240
1/2	1/2	□ - 8FG-75	0.75	19.0	0.40	10.2	1.12	28.4	0.049	3500	240



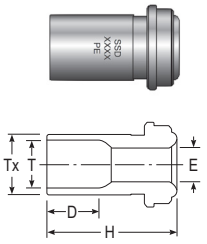
Male Gland

Face Seal Size	T Tube O.D.	Ordering Number	C		E		H		Normal Wall Thickness	Working Pressure	
			in.	mm	in.	mm	in.	mm		psi	bar
1/4	1/4	□ - 4MG-25	0.25	6.3	0.18	4.6	1.20	30.5	0.035	5100	350
1/4	1/4	□ - 4MG-38	0.38	9.7	0.18	4.6	1.32	33.5	0.035	5100	350
1/4	1/4	□ - 4MG-75	0.75	19.0	0.18	4.6	1.70	43.2	0.035	5100	350
1/2	1/4	□ - 84MG-75	0.75	19.0	0.18	4.6	1.79	45.7	0.035	3500	240
1/2	3/8	□ - 86MG-25	0.25	6.3	0.30	7.9	1.29	32.8	0.035	3300	220
1/2	3/8	□ - 86MG-75	0.75	19.0	0.30	7.9	1.79	45.5	0.035	3300	220
1/2	1/2	□ - 8MG-25	0.25	6.3	0.40	10.2	1.29	32.8	0.049	3500	240
1/2	1/2	□ - 8MG-38	0.38	9.7	0.40	10.2	1.41	35.8	0.049	3500	240
1/2	1/2	□ - 8MG-75	0.75	19.0	0.40	10.2	1.79	45.5	0.049	3500	240
3/4	3/4	□ - 12MG-75	0.75	19.0	0.65	16.5	2.03	51.6	0.049	2400	160
1	1	□ - 16MG-75	0.75	19.0	0.87	22.1	2.32	58.9	0.065	2400	160



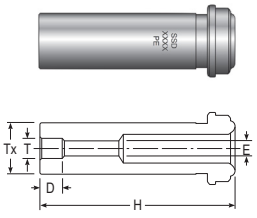
Short Socket Weld

Face Seal Size	T Tube Socket	Ordering Number	D		E		H		Tx		Working Pressure	
			in.	mm	in.	mm	in.	mm	in.	mm	psig	bar
1/4	1/4	SSS - 4SSW-.50	0.28	7.1	0.19	4.8	0.50	12.7	0.35	8.9	5500	370
1/4	1/4	SSS - 4SSW-.75	0.28	7.1	0.19	4.8	0.75	19.0	0.35	8.9	5500	370



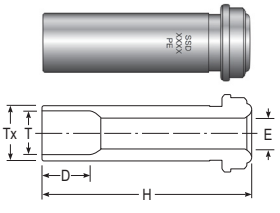
Reducing Socket Weld

Face Seal Size	T Tube Socket	Ordering Number	D		E		H		Tx		Working Pressure	
			in.	mm	in.	mm	in.	mm	in.	mm	psig	bar
1/4	1/8	SSS - 42RSW	0.16	4.1	0.09	2.3	1.31	33.3	0.35	8.9	8000	550
1/2	1/4	SSS - 84RSW	0.25	6.3	0.19	4.8	1.50	38.1	0.60	15.2	3500	240



Socket Weld

Face Seal Size	T Tube Socket	Ordering Number	D		E		H		Tx		Working Pressure	
			in.	mm	in.	mm	in.	mm	in.	mm	psig	bar
1/4	1/4	SSS - 4SW	0.28	7.1	0.19	4.6	1.31	33.3	0.35	8.9	5500	370
1/2	3/8	SSS - 86SW	0.31	7.9	0.28	7.1	1.50	38.1	0.60	15.2	3500	240
1/2	1/2	SSS - 8SW	0.38	9.7	0.41	10.2	1.50	38.1	0.60	15.2	3000	200
3/4	3/4	SSS - 12SW	0.44	11.2	0.62	15.7	2.00	50.8	0.88	22.4	2800	190
1	1	SSS - 16SW	0.62	15.7	0.87	22.1	2.22	56.4	1.19	30.2	2400	160

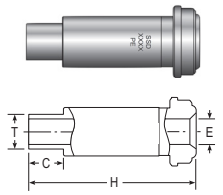


Metal Face Seal Fittings

Glands

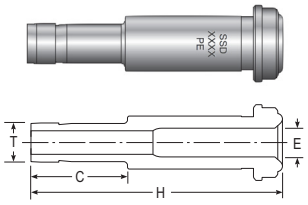
Male Weld

Face Seal Size	T Tube O.D.	Ordering Number	C		E		H		Working Pressure	
			in.	mm	in.	mm	in.	mm	psig	bar
1/4	1/4	SSS - 4MW	0.41	10.4	0.12	3.0	1.31	33.3	8000	550
1/2	1/4	SSS - 84MW	0.41	10.4	0.12	3.0	1.50	38.1	3500	240
1/2	3/8	SSS - 86MW	0.41	10.4	0.28	7.1	1.50	38.1	3500	240
1/2	1/2	SSS - 8MW	0.50	12.7	0.40	10.2	1.50	38.1	3500	240
3/4	3/4	SSS - 12MW	0.62	15.7	0.53	13.5	2.00	50.8	3000	200
1	1	SSS - 16MW	0.81	20.6	0.75	19.0	2.22	56.4	2400	160



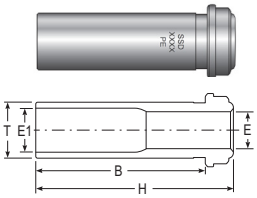
Tube Adapter Gland (A-LOK®)

Face Seal Size	T Tube O.D.	Ordering Number	C		E		H		Working Pressure	
			in.	mm	in.	mm	in.	mm	psig	bar
1/4	1/4	SSS - 4TAG	0.63	15.7	0.19	4.1	1.63	41.1	8000	550
1/2	3/8	SSS - 86TAG	0.70	17.5	0.28	7.1	1.81	46.0	3500	240
1/2	1/2	SSS - 8TAG	0.93	23.1	0.39	9.9	1.78	45.2	3500	240



Female Gland, Hi-Flo

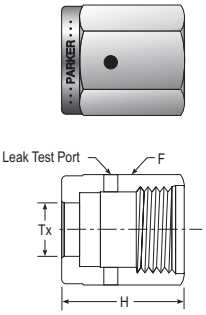
Face Seal Size	T Tube O.D.	Ordering Number	B		E		E1		H		Working Pressure	
			in.	mm	in.	mm	in.	mm	in.	mm	psig	bar
1/4	3/8	□ - 46HFG-.60	0.41	10.4	0.25	6.4	0.30	7.6	0.60	15.2	3300	220
1/4	3/8	□ - 46HFG-1.19	1.00	25.4	0.25	6.4	0.30	7.6	1.19	30.2	3300	220
1/4	3/8	□ - 46HFG-1.31	1.12	28.4	0.25	6.4	0.30	7.6	1.31	33.3	3300	220



Nuts, Caps, and Plugs

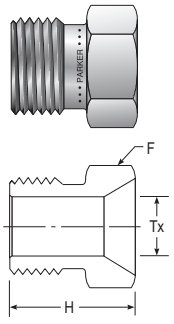
Female Nut

Ordering Number	Size	F Hex Flat	H		Tx	
			in.	mm	in.	mm
SS - 4FN	1/4	3/4	0.82	20.8	0.36	9.1
SS - 8FN	1/2	1 1/16	0.88	22.4	0.61	15.5
SS - 12FN	3/4	1 1/2	1.12	28.4	0.89	22.6
SS - 16FN	1	1 3/4	1.34	34.0	1.20	30.5



Male Nut

Ordering Number	Size	F Hex Flat	H		Tx	
			in.	mm	in.	mm
SS - 4MN	1/4	5/8	0.72	18.3	0.36	9.1
SS - 8MN	1/2	15/16	0.81	20.6	0.61	15.5
SS -12MN	3/4	1 5/16	1.00	25.4	0.89	22.6
SS - 16MN	1	1 5/8	1.19	30.2	1.20	30.5

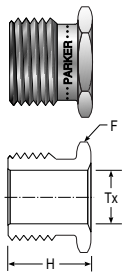


Metal Face Seal Fittings

Nuts, Caps, and Plugs

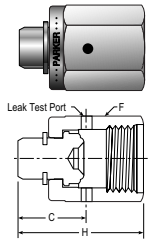
Short Male Nut

Ordering Number	Size	F Hex Flat	H		Tx	
			in.	mm	in.	mm
SS - 4SMN-.54	1/4	5/8	0.54	13.7	0.36	9.1



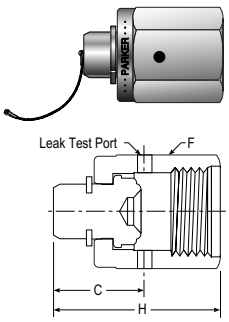
Female Cap

Ordering Number	Size	C		F Hex Flat	H	
		in.	mm		in.	mm
SS - 4FCP	1/4	0.59	15.0	3/4	1.09	27.7
SS - 8FCP	1/2	0.59	15.0	1 1/16	1.16	29.5
SS - 12FCP	3/4	0.68	16.8	1 1/2	1.41	35.8
SS - 16FCP	1	0.66	16.0	1 3/4	1.55	39.4



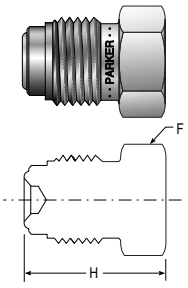
Female Cap (Lanyard)

Ordering Number	Size	C		F Hex Flat	H		Lanyard Length	
		in.	mm		in.	mm	in.	mm
SS - 4FCPL	1/4	0.59	15.0	3/4	1.09	27.7	6	152.4
SS - 8FCPL	1/2	0.59	15.0	1 1/16	1.16	29.5	6	152.4



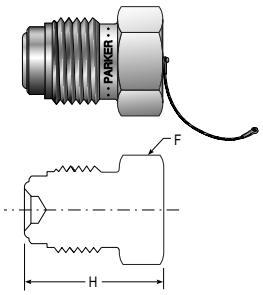
Male Plug

Ordering Number	Size	F Hex Flat	H	
			in.	mm
SS - 4MPG	1/4	5/8	0.91	23.1
SS - 8MPG	1/2	15/16	1.08	27.4
SS - 12MPG	3/4	1 5/16	1.43	36.3
SS - 16MPG	1	1 5/8	1.52	38.6



Male Plug (Lanyard)

Ordering Number	Size	F Hex Flat	H		Lanyard Length	
			in.	mm	in.	mm
SS - 4MPGL	1/4	5/8	0.91	23.1	6	152.4
SS - 4MPGL	1/2	15/16	1.08	27.4	6	152.4

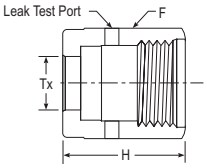


Metal Face Seal Fittings

Nuts, Caps, and Plugs

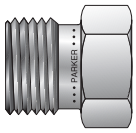
Female Nut, Hi-Flo

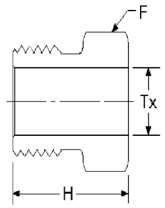
Size	Ordering Number	F Hex Flat	H		Tx	
			in.	mm	in.	mm
3/8	SS - 4HFN	3/4	0.82	20.8	0.39	9.9



Male Nut, Hi-Flo

Size	Ordering Number	F Hex Flat	H		Tx	
			in.	mm	in.	mm
3/8	SS - 4HMN	5/8	0.72	18.3	0.39	9.9

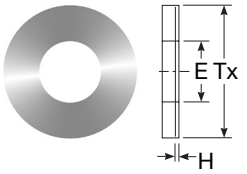




Gaskets

Non-Retained Flat Style

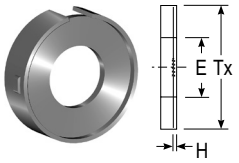
Size	Ordering Number	E		H		Tx	
		in.	mm	in.	mm	in.	mm
1/4	4 VG-*	0.22	5.5	0.03	0.8	0.47	11.9
1/2	8 VG-*	0.44	11.1	0.03	0.8	0.78	19.9
3/4	12 VG-*	0.66	16.8	0.03	0.8	1.14	28.9
1	16 VG-*	0.89	22.7	0.03	0.8	1.41	35.7



Retained Flat Style

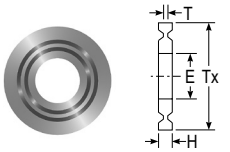
Retainer and gasket must be used as an assembly.
Note: Nickel Retained Flat Style Gaskets utilize a Stainless Steel Retainer

Size	Ordering Number	E		H		Tx	
		in.	mm	in.	mm	in.	mm
1/4	4 VGR-*	0.23	5.8	0.03	0.8	0.50	12.7
1/2	8 VGR-*	0.44	11.2	0.03	0.8	0.79	20.1



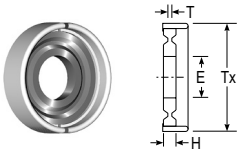
Non-Retained Grooved Style (TorqTite™ Gasket)

Size	Ordering Number	E		H		Tx		T	
		in.	mm	in.	mm	in.	mm	in.	mm
1/4	4 GVG-*	0.21	5.3	0.06	1.6	0.50	12.6	0.03	0.8
1/2	8 GVG-*	0.43	10.9	0.06	1.6	0.78	19.8	0.03	0.8



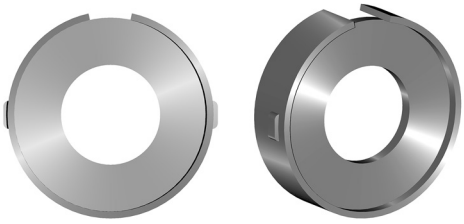
Retained Grooved Style (Retained TorqTite™ Gasket)

Size	Ordering Number	E		H		Tx		T	
		in.	mm	in.	mm	in.	mm	in.	mm
1/4	4 GVGR-*	0.21	5.3	0.06	1.6	0.49	12.4	0.03	0.8
1/2	8 GVGR-*	0.43	10.9	0.06	1.6	0.79	20.1	0.03	0.8



The retainer of Parker's patented Retained Flat Gasket helps to both locate the gasket over the toroid of the gland and hold the gasket in place during assembly, therefore minimizing radial damage to the toroids of the connection.

The unique design of the retainer minimizes potential scratches or nicks to the critical toroid surfaces during placement onto the gland.



Ordering Information

Specify gasket material by replacing asterisk with appropriate Ordering Number Designator.

Material	Ordering Number Designator	Example
High-Purity Nickel (electropolished)	N	4 VGR-N
Stainless Steel[3]	SS	4 VGR-SS
Teflon®[12]	T	4 VG-T

Blind (undrilled) gaskets are available by adding a -BL suffix at the end of the part number.
Example: 4 VG-N-BL

1 Parker uses Teflon® or equal PTFE Polymer
2 Teflon® is only available for Non-Retained Flat Style gaskets
3 Stainless Steel gaskets are Silver plated

Note: All gaskets must be ordered in increments of 10
Teflon® is a registered trademark of Dupont Company

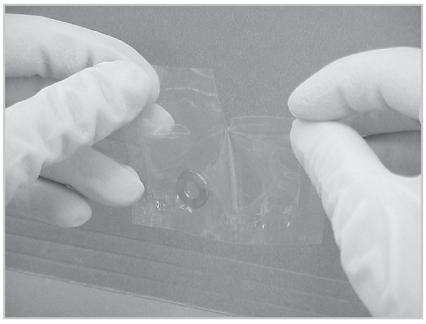
Metal Face Seal Fittings

Makeup Information

Flat and Grooved Gasket Assembly

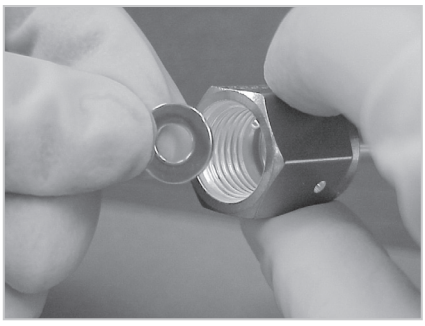
Step 1

Remove gasket from packaging.



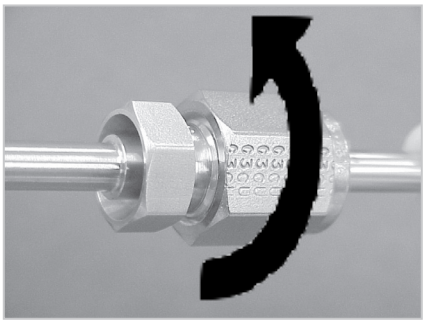
Step 2

Place gasket into female nut.



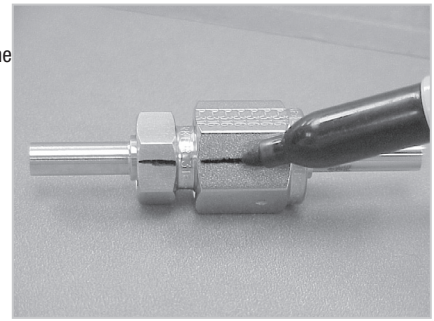
Step 3

Assemble components and snug to fingertight.



Step 4

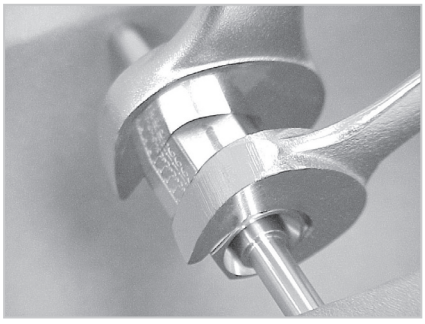
Scribe the hex flat of both the male and female nuts.



Step 5

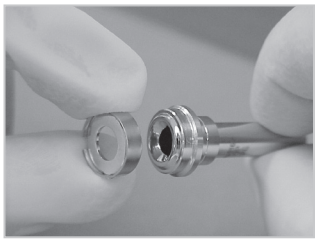
Holding the backup wrench stationary, tighten the female nut 1/8 turn past fingertight.

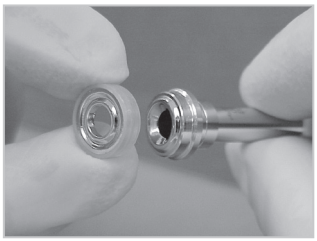
Warning: Extreme over tightening will damage toroid surface and cause potential leakage.



Flat Gasket Remake

Upon remake of flat metal face seal gasket, a new gasket must be installed for each remake, follow procedures for initial make-up.





Retained Gaskets Assembly

Guide retained gaskets over gland face, then continue step 3 of Flat and Grooved Gasket Assembly for completion of make-up.

Weld Fittings

Introduction

Parker weld fittings are designed where ultra-high pure applications are required. Optimized for orbital welding equipment, the compact sizes provides service and flow performance equal to larger weld fittings.

Specifications

- Pressure Ratings will be governed by the tubing selected for a particular application. Working pressures are calculated below for tubing using 20 ksi allowable stress factor for 316 in accordance with ASME/ANSI B31.3 at ambient temperature (72°F).

Tube O.D.	Pressure Rating		Normal Wall Thickness
	psig	bar	
1/8 in.	8500	580	.028 in.
1/4 in.	5100	350	.035 in.
3/8 in.	3300	220	.035 in.
1/2 in.	3500	240	.049 in.
3/4 in.	2400	160	.049 in.

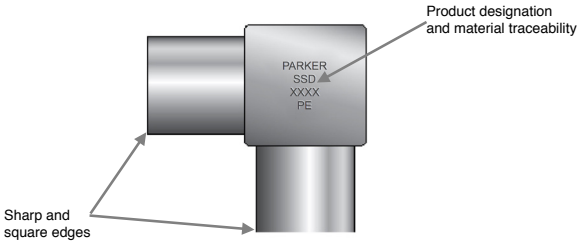
- Dimensions are for reference only and are subject to change.
- Standard finish weld fittings have an internal surface roughness average of 10 µin. (0.25µm) Ra. PE finished fittings have an internal surface roughness average of 5 µin. (0.13µm) Ra.
- Ultra high purity cleaning and packaging in a Class 100 clean room environment is standard for all wetted components.

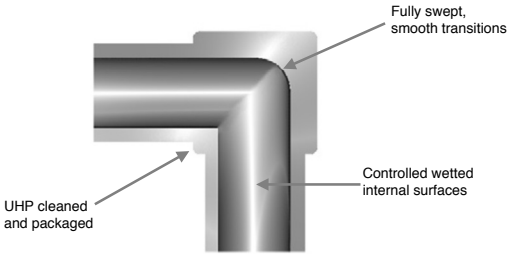
Materials

Material	Designator	Applicable Secifications
Stainless Steel 316L	SSS	Semi F20-0706 ASME SA479, ASTM A276
Stainless Steel 316L, double melt	SSD	Semi F20-0706 ASME SA479, ASTM A276

Features

- **Compact Design** allows for system miniaturization and close coupled spacing.
- **Material traceability** via permanently marked heat codes on each wetted component.
- **Permanent product designation** identifies manufacturer, material and internal finish when applicable.
- **Sharp and square tube ends** improves alignment and weld repeatability.
- **Smooth, radiused junctions** promote better flow transition, reduces turbulent flow, and reduces possible entrapment sites.
- **Controlled wetted surfaces** meet stringent ultra high purity system requirements by preventing outgassing and inhibiting corrosion.

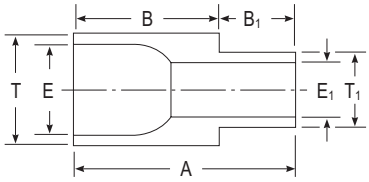




Weld Fittings

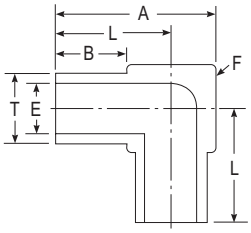
Reducing Union

T Tube O.D.	T_1 Tube O.D.	Part Number	A		B		B_1		E		E_1	
			in.	mm	in.	mm	in.	mm	in.	mm.	in.	mm.
1/4	1/8	□ - 42RU	0.75	19.1	0.50	12.7	0.25	6.4	0.18	4.6	0.07	1.8
3/8	1/4	□ - 64RU	0.75	19.1	0.50	12.7	0.25	6.4	0.30	7.7	0.18	4.6
1/2	1/4	□ - 84RU	0.75	19.1	0.50	12.7	0.25	6.4	0.40	10.2	0.18	4.6
1/2	3/8	□ - 86RU	0.75	19.1	0.50	12.7	0.25	6.4	0.40	10.2	0.30	7.7
3/4	1/4	□ - 124RU	0.75	19.1	0.50	12.7	0.25	6.4	0.65	16.6	0.18	4.6
3/4	3/8	□ - 126RU	0.75	19.1	0.50	12.7	0.25	6.4	0.65	16.6	0.30	7.7
3/4	1/2	□ - 128RU	0.75	19.1	0.50	12.7	0.25	6.4	0.65	16.6	0.40	10.2



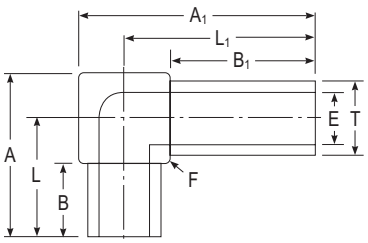
Union Elbow

T Tube O.D.	Part Number	A		B		E		F Body Cube	L	
		in.	mm	in.	mm	in.	mm.		in.	mm.
1/4	□ - 4UE	0.56	14.2	0.25	6.4	0.18	4.6	5/16	0.41	10.4
3/8	□ - 6UE	0.69	17.5	0.25	6.4	0.30	7.7	7/16	0.47	11.9
1/2	□ - 8UE	0.81	20.6	0.25	6.4	0.40	10.2	9/16	0.53	13.5
3/4	□ - 12UE	1.06	27.0	0.25	6.4	0.65	16.6	13/16	0.66	16.7



Extended Union Elbow

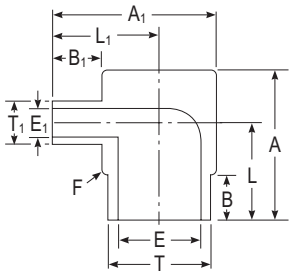
T Tube O.D.	Part Number	A		A_1		B		B_1		E		F Body Cube	L		L_1	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm.		in.	mm	in.	mm.
1/4	□ - 4EUE-4161	0.56	14.2	0.76	19.3	0.25	6.4	.45	0.5	0.18	4.6	5/16	0.41	10.41	0.61	15.5



Weld Fittings

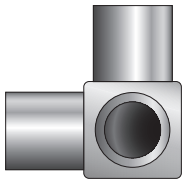
Reducing Elbow

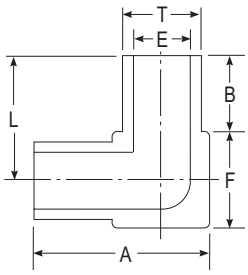
T Tube O.D.	T_1 Tube O.D.	Part Number	A		A_1		B		B_1		E		E_1		F Body Cube	L		L_1	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm.	in.	mm.		in.	mm	in.	mm.
3/8	1/4	□ - 64RE	0.69	17.5	0.69	17.5	0.25	6.4	0.25	6.4	0.30	7.7	0.18	4.6	7/16	0.47	11.9	0.47	11.9
1/2	1/4	□ - 84RE	0.81	20.6	0.81	20.6	0.25	6.4	0.25	6.4	0.40	10.2	0.18	4.6	9/16	0.53	13.5	0.53	13.5
1/2	3/8	□ - 86RE	0.81	20.6	0.81	20.6	0.25	6.4	0.25	6.4	0.40	10.2	0.30	7.7	9/16	0.53	13.5	0.53	13.5
3/4	1/4	□ - 124RE	1.06	27.0	1.06	27.0	0.25	6.4	0.25	6.4	0.65	16.6	0.18	4.6	13/16	0.66	16.7	0.66	16.7
3/4	3/8	□ - 126RE	1.06	27.0	1.06	27.0	0.25	6.4	0.25	6.4	0.65	16.6	0.30	7.7	13/16	0.66	16.7	0.66	16.7
3/4	1/2"	□ - 128RE	1.06	27.0	1.06	27.0	0.25	6.4	0.25	6.4	0.65	16.6	0.40	10.2	13/16	0.66	16.7	0.66	16.7



Tribow

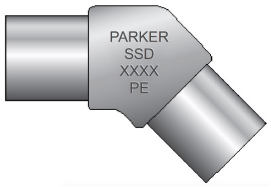
T Tube O.D.	Part Number	A		B		E		F Body Cube	L	
		in.	mm	in.	mm	in.	mm.		in.	mm.
1/4	□ - 4TB	0.56	14.2	0.25	6.4	0.18	4.6	5/16	0.41	10.4
3/8	□ - 6TB	0.69	17.5	0.25	6.4	0.30	7.7	7/16	0.47	11.9
1/2	□ - 8TB	0.81	20.6	0.25	6.4	0.40	10.2	9/16	0.53	13.5
3/4	□ - 12TB	1.06	27.0	0.25	6.4	0.65	16.6	13/16	0.66	16.7

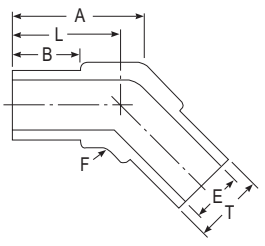




Union Elbow, 45°

T Tube O.D.	Part Number	A		B		E		F Body Cube	L	
		in.	mm	in.	mm	in.	mm.		in.	mm.
1/4	□ - 4UE45	0.47	11.9	0.25	6.4	0.18	4.6	5/16	0.41	10.4
3/8	□ - 6UE45	0.56	14.2	0.25	6.4	0.30	7.7	7/16	0.47	11.9
1/2	□ - 8UE45	0.64	16.3	0.25	6.4	0.40	10.2	9/16	0.53	13.5
3/4	□ - 12UE45	0.83	21.0	0.25	6.4	0.65	16.6	13/16	0.66	16.7

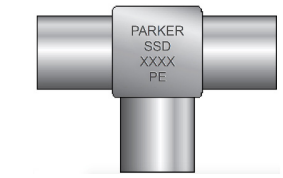


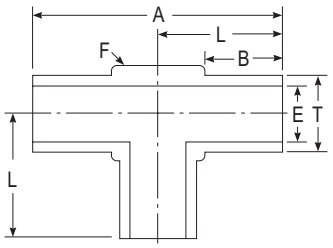


Weld Fittings

Union Tee

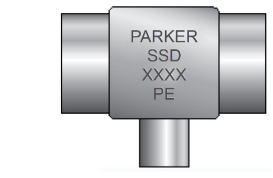
T Tube O.D.	Part Number	A		B		E		F Body Cube	L	
		in.	mm	in.	mm	in.	mm.		in.	mm.
1/4	□ - 4UT	0.82	20.8	0.25	6.4	0.18	4.6	5/16	0.41	10.4
3/8	□ - 6UT	0.94	23.9	0.25	6.4	0.30	7.7	7/16	0.47	11.9
1/2	□ - 8UT	1.06	26.9	0.25	6.4	0.40	10.2	9/16	0.53	13.5
3/4	□ - 12UT	1.31	33.4	0.25	6.4	0.65	16.6	13/16	0.66	16.7

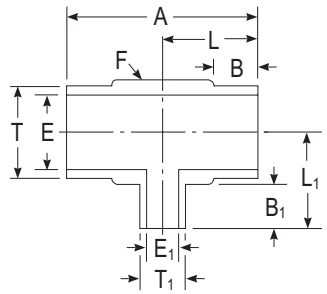




Reducing Tee

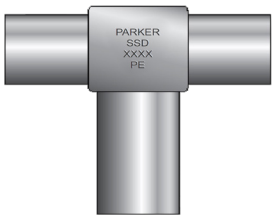
T Tube O.D.	T_1 Tube O.D.	Part Number	A		B		B_1		E		E_1		F Body Cube	L		L_1	
			in.	mm	in.	mm	in.	mm	in.	mm.	in.	mm.		in.	mm	in.	mm.
3/8	1/4	□ - 64RT	0.94	23.9	0.25	6.4	0.25	6.4	0.30	7.7	0.18	4.6	7/16	0.47	11.9	0.47	11.9
1/2	1/4	□ - 84RT	1.06	26.9	0.25	6.4	0.25	6.4	0.40	10.2	0.18	4.6	9/16	0.53	13.5	0.53	13.5
1/2	3/8	□ - 86RT	1.06	26.9	0.25	6.4	0.25	6.4	0.40	10.2	0.30	7.7	9/16	0.53	13.5	0.53	13.5
3/4	1/4	□ - 124RT	1.31	33.4	0.25	6.4	0.25	6.4	0.65	16.6	0.18	4.6	13/16	0.66	16.7	0.66	16.7
3/4	3/8	□ - 126RT	1.31	33.4	0.25	6.4	0.25	6.4	0.65	16.6	0.30	7.7	13/16	0.66	16.7	0.66	16.7
3/4	1/2	□ - 128RT	1.31	33.4	0.25	6.4	0.25	6.4	0.65	16.6	0.40	10.2	13/16	0.66	16.7	0.66	16.7

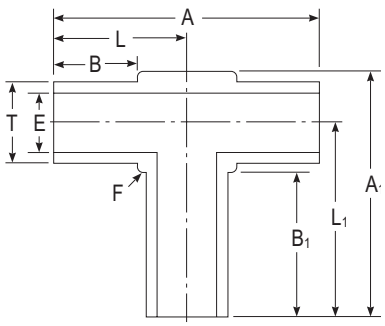




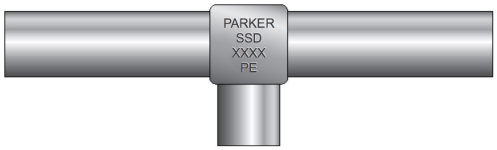
Extended Branch

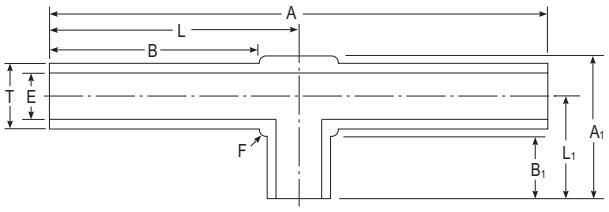
T Tube O.D.	Part Number	A		A_1		B		B_1		E		F Body Cube	L		L_1	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm.		in.	mm	in.	mm.
1/4	□ - 4EBT	0.82	20.8	0.76	19.3	0.25	6.4	0.45	11.4	0.18	4.6	5/16	0.41	10.4	0.60	15.5





Weld Fittings



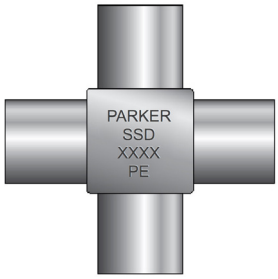


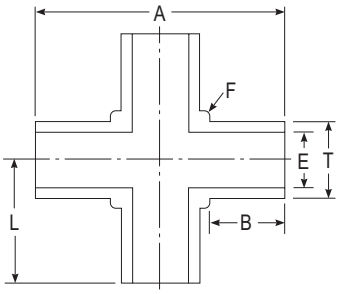
Run Tee

T Tube O.D.	Part Number	A		A_1		B		B_1		E		F Body Cube	L		L_1	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm.		in.	mm	in.	mm.
1/4	□ - 4ERT	1.97	50.0	0.56	14.2	0.83	21.1	0.25	6.4	0.18	4.6	5/16	0.99	24.9	0.41	10.4

Union Cross

T Tube O.D.	Part Number	A		B		E		F Body Cube	L	
		in.	mm	in.	mm	in.	mm.		in.	mm.
1/4	□ - 4UC	0.82	20.8	0.25	6.4	0.18	4.6	5/16	0.41	10.4
3/8	□ - 6UC	0.94	23.9	0.25	6.4	0.30	7.7	7/16	0.47	11.9
1/2	□ - 8UC	1.06	26.9	0.25	6.4	0.40	10.2	9/16	0.53	13.5
3/4	□ - 12UC	1.31	33.4	0.25	6.4	0.65	16.6	13/16	0.66	16.7





Metal Face Seal and Weld Fittings

Ordering Information

Parker metal face seal components and weld fittings are ordered by Ordering Number, as listed in this catalog.

SSS - 8 FG - 75 - PE

Material Size Configuration Tube Stub Length Internal Finish

Material	Size	Tube Stub Length[1]	Internal Finish
SS : 316 SS[4]	4 : 1/4”	25 : .25”	Blank : 10 Ra
SSS : 316L SS	6 : 3/8”	38 : .38”	PE : 5 Ra
SSD : 316L SS, double melt[2]	8 : 1/2”	75 : .75”	
	12 : 3/4”		
	16 : 1”		

Configuration			
FG	Female Gland	FN	Female Nut
MG	Male Gland	MN	Male Nut
SSW	Short Socket Weld	SMN	Short Male Nut
SW	Socket Weld	FCP	Female Cap[3]
RSW	Reducing Socket Weld	FCPL	Female Cap, Lanyard[3]
MW	Male Weld	MPG	Male Plug[3]
TAG	Tube Adaptor Gland	MPGL	Male Plug, Lanyard[3]
HFG	Female Gland, Hi-Flo	HFN	Female Nut, Hi-Flo
		HMN	Male Nut, Hi-Flo

SSD - 8 UC - PE

Material Size Configuration Internal Finish

Material	Size	Internal Finish
SSS : 316L SS	4 : 1/4”	Blank : 10 Ra
SSD : 316L SS, double melt[2]	6 : 3/8”	PE : 5 Ra
	8 : 1/2”	
	12 : 3/4”	

Configuration			
RU	Reducing Union	UT	Union Tee
UE	Union Elbow	RT	Reducing Tee
EUE	Extended Union Elbow	EBT	Extended Branch Tee
RE	Reducing Elbow	ERT	Extended Run Tee
TB	Tribow	UC	Union Cross
UE45	Union Elbow, 45		

[1] Not all fitting configurations will offer all tube stub lengths.
[2] Components ordered with SSD material designator only sold with “PE” internal finish.
[3] Not offered in “PE” finish.
[4] SS only offered for caps, nuts and plugs.

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Part Number: 25000321 Description: FITTINGS LITERATURE Date: 7/2017

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