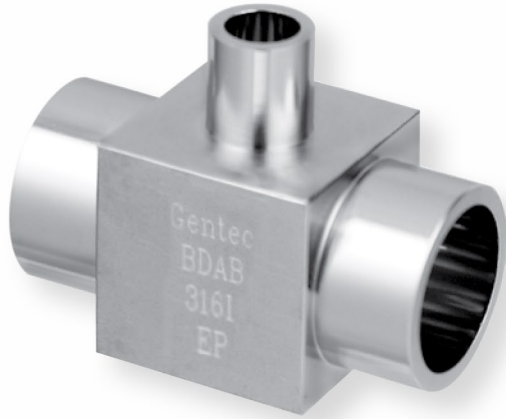


# UHP FITTINGS

Weld Fittings

Solutions for Life



GENTEC® weld fittings offer high integrity Connections in ultra high purity systems. GENTEC® weld fittings also provide compact designs for use with orbital weld equipment. The stainless steel weld fittings feature special machining and surface enhancement to prevent outgassing and inhibit corrosion.

## Features

- Compact design
- Accommodates tubing systems requiring miniaturization
- Allow close component spacing

## Technical Data

Size	Pressure Rating		Normal Wall Thickness
	psi	bar	
1/4"	5100	350	0.035"
3/8"	3300	220	0.035"
1/8"	8500	580	0.028"
1/2"	3300	220	0.049"
3/4"	2400	160	0.049"
1"	2400	160	0.065"
6M	5100	350	0.039"
8M	5100	350	0.039"
10M	3300	220	0.039"
12M	3300	220	0.039"

## Material

- 316L, 316L VAR and 316L VIM/VAR stainless steel are available. 316L stainless steel is the standard Material. When ordering other Materials, please replace SL with SLV or SLVV.

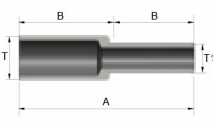
Material	Designator
316L	SL
316L VAR	SLV
316 VIM / VAR	SLVV

## Ordering Information

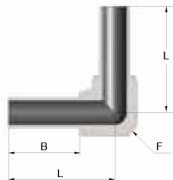
- To order EP fittings, use the following Designator code as a suffix to the Ordering Number.  
Example: SLV-MRU-4-2P

Surface Finish Grade	Designator	Surface Finish
BA	-	10µin (0.25µm)
EP	P	5µin (0.13µm)

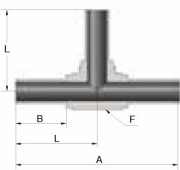
## TWRU

Reducing Union 	T	T1	Ordering Number	Dimensions		Pressure Rating psi (bar)
				A	B	
	3/8	1/4	SL-TWRU-6-4	1.5	0.75	3300 (227)
1/2	1/4	SL-TWRU-8-4	1.5	0.75	3700 (254)	
1/2	3/8	SL-TWRU-8-6	1.5	0.75	3300 (227)	
3/4	1/2	SL-TWRU-12-8	1.5	0.75	2400 (165)	
1	1/2	SL-TWRU-16-8	1.5	0.75	2400 (165)	
1	3/4	SL-TWRU-16-12	1.5	0.75	2400 (165)	

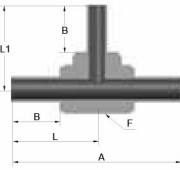
## TWUE

90° Union Elbow 	O.D.	Tube Thickness	Ordering Number	Dimensions			Pressure Rating psi (bar)
				B	F	L	
	1/4	0.035	SL-TWUE-4	0.75	7/16	1.23	5100 (351)
3/8	0.035	SL-TWUE-6	0.75	7/16	1.20	3300 (227)	
1/2	0.049	SL-TWUE-8	0.75	11/16	1.34	3700 (254)	
3/4	0.049	SL-TWUE-12	0.75	15/16	1.46	2400 (165)	

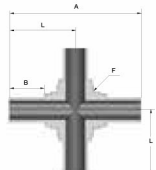
## TWUT

Union Tee 	O.D.	Tube Thickness	Ordering Number	Dimensions				Pressure Rating psi (bar)
				A	B	F	L	
	1/4	0.035	SL-TWUT-4	2.46	0.75	7/16	1.23	5100 (351)
3/8	0.035	SL-TWUT-6	2.40	0.75	7/16	1.20	3300 (227)	
1/2	0.049	SL-TWUT-8	2.68	0.75	11/16	1.34	3700 (254)	
3/4	0.049	SL-TWUT-12	2.92	0.75	15/16	1.46	2400 (165)	

## TWRT

Reducing Tee 	Tube O.D.	Tube Thickness	O.D.	Tube Thickness	Ordering Number	Dimensions					Pressure Rating psi (bar)
						A	B	F	L	L1	
	3/8	0.035	1/4	0.035	SL-TWRT-6-4	2.4	0.75	7/16	1.2	1.23	3300 (227)
1/2	0.049	1/4	0.035	SL-TWRT-8-4	2.68	0.75	11/16	1.34	1.34	3700 (254)	
1/2	0.049	3/8	0.035	SL-TWRT-8-6	2.68	0.75	11/16	1.34	1.35	3300 (227)	
3/4	0.049	1/2	0.035	SL-TWRT-12-6	2.92	0.75	15/16	1.46	1.35	2400 (165)	
3/4	0.04	1/4	0.035	SL-TWRT-12-8	2.92	0.75	15/16	1.46	1.48	2400 (165)	

## TWUC

Union Cross 	O.D.	Tube Thickness	Ordering Number	Dimensions				Pressure Rating psi (bar)
				A	B	F	L	
	1/4	0.035	SL-TWUC-4	2.46	0.75	7/16	1.23	5100 (351)
3/8	0.035	SL-TWUC-6	2.4	0.75	7/16	1.2	3300 (227)	
1/2	0.049	SL-TWUC-8	2.55	0.75	11/16	1.27	3700 (254)	

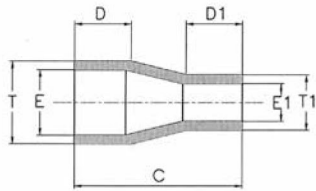
All Dimensions are in inches.

# UHP FITTINGS

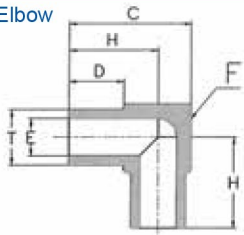
Miniweld Fittings

Solutions for Life

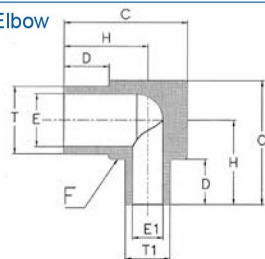
Reducing Union		Ordering Number	Dimensions					Pressure Rating (psi)
T	T1		C	D	D1	E	E1	
1/4	1/8	SL-MRU-4-2	0.75	0.41	0.25	0.18	0.07	5100
3/8	1/4	SL-MRU-6-4	0.75	0.41	0.25	0.18	0.07	5100
1/2	1/4	SL-MRU-8-4	0.75	0.41	0.25	0.18	0.07	5100
1/2	3/8	SL-MRU-8-6	0.75	0.41	0.25	0.18	0.07	5100



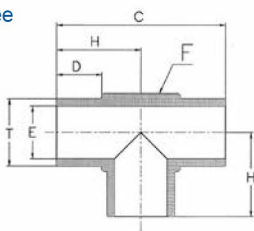
90° Union Elbow		Ordering Number	Dimensions					Pressure Rating (psi)
T			C	D	E	F	H	
1/4		SL-MUE-4	0.56	0.25	0.18	5/16	0.41	5100
3/8		SL-MUE-6	0.69	0.25	0.31	7/16	0.47	3300
1/2		SL-MUE-8	0.81	0.25	0.4	9/16	0.53	3700



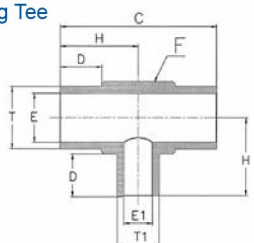
Reducing Elbow		Ordering Number	Dimensions						Pressure Rating (psi)
T	T1		C	D	E	E1	F	H	
3/8	1/4	SL-MRE-6-4	0.69	0.25	0.31	0.18	7/16	0.47	3300
1/2	1/4	SL-MRE-8-4	0.81	0.25	0.4	0.18	9/16	0.53	3700
1/2	3/8	SL-MRE-8-6	0.81	0.25	0.4	0.31	9/16	0.53	3300



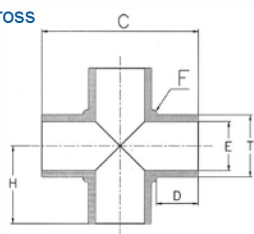
Union Tee		Ordering Number	Dimensions					Pressure Rating (psi)
T			C	D	E	F	H	
1/4		SL-MUT-4	0.82	0.25	0.18	5/16	0.41	5100
3/8		SL-MUT-6	0.94	0.25	0.31	7/16	0.47	3300
1/2		SL-MUT-8	1.06	0.25	0.4	9/16	0.53	3700



Reducing Tee		Ordering Number	Dimensions						Pressure Rating (psi)
T	T1		C	D	E	E1	F	H	
3/8	1/4	SL-MRT-6-4	0.94	0.25	0.31	0.18	7/16	0.47	3300
1/2	1/4	SL-MRT-8-4	1.06	0.25	0.4	0.18	9/16	0.53	3700
1/2	3/8	SL-MRT-8-6	1.06	0.25	0.4	0.31	9/16	0.53	3300



Union Cross		Ordering Number	Dimensions					Pressure Rating (psi)
T			C	D	E	F	H	
1/4		SL-MUC-4	0.82	0.25	0.18	5/16	0.41	5100
3/8		SL-MUC-6	0.94	0.25	0.31	7/16	0.47	3300
1/2		SL-MUC-8	1.06	0.25	0.4	9/16	0.53	3700



All Dimensions are in inches.