

S EMICONDUCTOR & SPECIALITY GAS APPLICATIONS FITTINGS

Butt Weld Fittings

V Series

- Sizes range from 1/8" to 1/2" and 6 mm to 12 mm
- 316, 316L, 316L VAR and 316L VIM/VAR stainless steel materials are available
- Butt weld connection allows for a smooth transition
- Radius junction design with elbows provides smooth flow path
- Maximum working temperature is 850°F(454°C)
- Standard wetted surface finish is average 10µ in. (0.25 µm) Ra
- Every fitting is stamped with size, material, and heat code



Configuration	Fitting Type	Example
	Tube Reducing Union- VU	6L-8TWB-VU-4TWB
	Tube 90° Union Elbow- VL	6L-10TMB-VL
	Tube Reducing Elbow- VL	6L-12TMB-VL-6TMB
	Tube 45° Union Elbow- W	6L-4TWB-W
	Tube Tribow- VW	6L-4TWB-VW
	Tube Union Tee- VT	6L-12TWB-VT
	Tube Reducing Tee- VT	6L-8TWB-VT-8TWB-4TWB
	Tube Union Cross- VO	6L-6TWB-VO

W1 Series

- Sizes range from 1/4" to 1" and 6 mm to 18 mm
- Butt weld connection allows for a smooth transition
- Radius junction design with elbows provides smooth flow path
- Maximum working temperature is 850°F (454°C)
- Standard wetted surface finish is average 10µ in. (0.25 µm) Ra
- Every fitting is stamped with size, material, and heat code



Configuration	Fitting Type	Example
	Tube Reducing Union- TB8	6L-WU2-TB8-TB4
	Tube Union Elbow- MTB10	6L-WL2-MTB10
	Tube Union Tee- MTB10	6L-WT2-MTB10
	Tube Reducing Tee- TB8	6L-WT2-TB8-TB8-TB4
	Tube Union Cross- TB8	6L-WC2-TB8

Ordering Number Description

A B C D E F
6L-8TWB-U1-4TWB

A	Material
SS	=316 SS
6L	=316L SS
6LV	=316LVAR SS
6LW	=316LVIM/VAR SS

B	P2 Size
2	=1/8"
4	=1/4"
6	=3/8" or 6mm
8	=1/2" or 8mm
10	=10mm
12	=3/4" or 12mm
16	=1" or 16mm

C	P1 Type
TWB	=Inch tube butt weld
TMB	=Metric tube butt weld

D	Fitting Type
V Series	VU=Butt weld reducing union
	VL=Butt weld union elbow
	VV=Butt weld 45° union elbow
	VW=Butt weld tribow
	VT=Butt weld tees
W1 Series	VO=Butt weld union cross
	U1=Butt weld reducing union
	L1=Butt weld union elbow
	T1=Butt weld tees
	O1=Butt weld union cross

E	P2, P3, P4
Specify in the same way as the P1	