

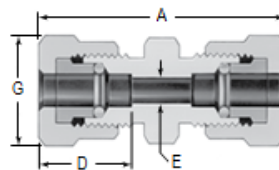
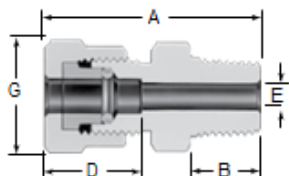
# VACUUM O-RING FITTINGS



**Western Valve  
& Fitting**

**(925-443-8500)**

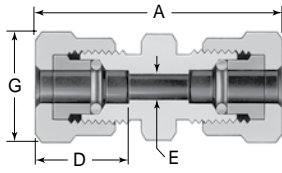
**4355 Technology Drive  
Livermore, CA 94551**



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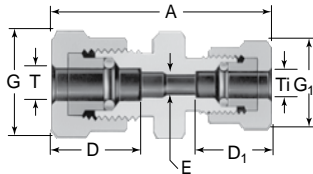
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## Union Connector



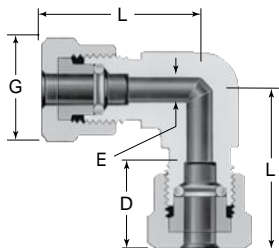
Tube O.D. in.	Ordering Number	Dimensions, in. (mm)			
		A	D	E	G
1/16	UTU-1/16	1.23 (31.2)	0.45 (11.4)	0.05 (1.3)	3/8
1/8	UTU-1/8	1.48 (37.6)	0.47 (11.9)	0.09 (2.3)	9/16
1/4	UTU-1/4	1.65 (41.9)	0.62 (15.7)	0.19 (4.8)	11/16
3/8	UTU-3/8	1.83 (46.5)	0.66 (16.8)	0.28 (7.1)	13/16
1/2	UTU-1/2	1.85 (47.0)	0.81 (20.6)	0.41 (10.4)	15/16
5/8	UTU-5/8	1.94 (49.3)	0.89 (22.6)	0.50 (12.7)	1 1/8
3/4	UTU-3/4	2.17 (55.1)	0.99 (25.1)	0.63 (16.0)	1 1/4
1	UTU-1	2.27 (57.7)	0.99 (25.1)	0.88 (22.4)	1 9/16
1 1/2	UTU-1 1/2	2.39 (60.7)	0.99 (25.1)	1.38 (35.1)	2 1/16

## Reducing Union



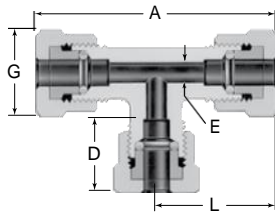
Tube O.D. in.		Ordering Number	Dimensions, in. (mm)					
T	Ti		A	D	D <sub>1</sub>	E	G	G <sub>1</sub>
3/8	1/4	UTRU-3/8x1/4	1.74 (44.2)	0.66 (16.8)	0.62 (15.7)	0.19 (4.8)	13/16	11/16
1/2		UTRU-1/2x1/4	1.77 (45.0)	0.81 (20.6)			15/16	

## Elbow Union



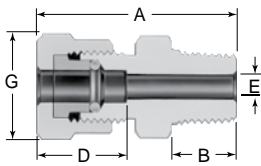
Tube O.D. in.	Ordering Number	Dimensions, in. (mm)			
		D	E	G	L
1/4	UTL-1/4	0.62 (15.7)	0.19 (4.8)	11/16	1.15 (29.2)
3/8	UTL-3/8	0.66 (16.8)	0.28 (7.1)	13/16	1.37 (34.8)
1/2	UTL-1/2	0.81 (20.6)	0.41 (10.4)	15/16	1.37 (34.8)

## Union Tee



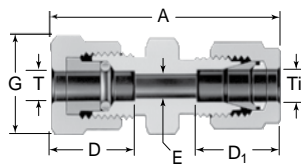
Tube O.D. in.	Ordering Number	Dimensions, in. (mm)				
		A	D	E	G	L
1/8	UTT-1/8	2.20 (55.9)	0.47 (11.9)	0.09 (2.3)	9/16	1.10 (27.9)
1/4	UTT-1/4	2.32 (58.9)	0.62 (15.7)	0.19 (4.8)	11/16	1.16 (29.5)
3/8	UTT-3/8	2.74 (69.6)	0.66 (16.8)	0.28 (7.1)	13/16	1.37 (34.8)
1/2	UTT-1/2	2.74 (69.6)	0.81 (20.6)	0.41 (10.4)	15/16	1.37 (34.8)
3/4	UTT-3/4	3.42 (86.9)	0.99 (25.1)	0.63 (16.0)	1 1/4	1.71 (43.3)
1	UTT-1	3.76 (95.5)	0.99 (25.1)	0.88 (22.4)	1 9/16	1.88 (47.8)

## Male Connector



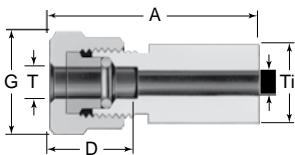
Tube O.D. in.	NPT Size in.	Ordering Number	Dimensions, in. (mm)				
			A	B	D	E	G
1/16	1/8	UTMC-1/16x1/8	1.14 (29.0)	0.38 (9.6)	0.45 (11.4)	0.05 (1.3)	3/8
1/8	1/8	UTMC-1/8x1/8	1.26 (32.0)	0.38 (9.6)	0.47 (11.9)	0.09 (2.3)	9/16
1/4	1/8	UTMC-1/4x1/8	1.36 (34.5)	0.38 (9.6)	0.62 (15.7)	0.19 (4.8)	11/16
	1/4	UTMC-1/4x1/4	1.54 (39.1)	0.56 (14.2)			
3/8	1/8	UTMC-3/8x1/8	1.45 (36.8)	0.38 (9.6)	0.66 (16.8)	0.19 (4.8)	13/16
	1/4	UTMC-3/8x1/4	1.63 (41.4)	0.56 (14.2)			
1/2	3/8	UTMC-1/2x3/8	1.66 (42.2)	0.56 (14.2)	0.81 (20.6)	0.41 (10.4)	15/16
	1/2	UTMC-1/2x1/2	1.85 (47.0)	0.75 (19.1)			
3/4	3/4	UTMC-3/4x3/4	2.02 (51.3)	0.75 (19.1)	0.99 (25.1)	0.63 (16.0)	1 1/4
1	1	UTMC-1x1	2.31 (58.7)	0.94 (23.9)	0.99 (25.1)	0.88 (22.4)	1 9/16

## Tube Fitting Union



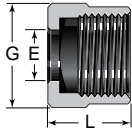
Tube O.D., in.		Ordering Number	Dimensions, in. (mm)				
T	Ti		A	D	D <sub>1</sub>	E	G
1/4	1/4	UTCU-1/4x1/4	1.67 (42.4)	0.62 (15.7)	0.60 (15.2)	0.19 (4.8)	11/16
3/8	3/8	UTCU-3/8x3/8	1.82 (46.2)	0.66 (16.8)	0.66 (16.8)	0.28 (7.1)	13/16
1/2	1/2	UTCU-1/2x1/2	1.96 (49.8)	0.81 (20.6)	0.90 (22.9)	0.41 (10.4)	15/16

## Adapter



Tube O.D., in.		Ordering Number	Dimensions, in. (mm)			
T	Ti		A	D	E	G
1/16	1/4	UTA-1/16x1/4	1.14 (29.0)	0.45 (11.4)	0.05 (1.3)	3/8
1/8	1/4	UTA-1/8x1/4	1.24 (31.5)	0.47 (11.9)	0.09 (2.3)	9/16
	3/8	UTA-1/8x3/8	1.25 (31.8)			
1/4	1/4	UTA-1/4x1/4	1.35 (34.3)	0.62 (15.7)	0.19 (4.8)	11/16
	3/8	UTA-1/4x3/8	1.34 (34.0)			
3/8	1/2	UTA-1/4x1/2	1.48 (37.6)	0.66 (16.8)	0.28 (7.1)	13/16
	3/8	UTA-3/8x3/8	1.48 (37.6)			
1/2	1/2	UTA-3/8x1/2	1.59 (40.4)	0.81 (20.6)	0.41 (10.4)	15/16
	5/8	UTA-1/2x5/8	1.65 (41.9)			
3/4	3/4	UTA-1/2x3/4	1.70 (43.2)	0.99 (25.1)	0.63 (16.0)	1 1/4
3/4	1	UTA-3/4x1	1.84 (46.7)			
1	1 1/4	UTA-1x1 1/4	1.86 (47.2)	0.99 (25.1)	0.88 (22.4)	1 9/16
1 1/2	1 1/2	UTA-1 1/2x1 1/2	2.04 (51.8)			

## Nuts



Tube O.D. in.	Ordering Number	Thread Size	Dimensions, in. (mm)		
			E	L	G
1/16	UNT-1/16	1/4-20 UNC	0.07 (1.8)	0.38 (9.6)	3/8
1/8	UNT-1/8	3/8-20 UN	0.13 (3.3)	0.41 (10.4)	9/16
1/4	UNT-1/4	1/2-20 UNF	0.26 (6.6)	0.53 (13.5)	11/16
3/8	UNT-3/8	5/8-20 UN	0.38 (9.6)	0.62 (15.7)	13/16
1/2	UNT-1/2	3/4-20 UNEF	0.51 (13.0)	0.62 (15.7)	15/16
5/8	UNT-5/8	15/16-20 UNEF	0.63 (16.0)	0.62 (15.7)	1 1/8
3/4	UNT-3/4	1 1/16-20 UN	0.76 (19.3)	0.72 (18.3)	1 1/4
1	UNT-1	1 3/8-20 UN	1.01 (25.6)	0.72 (18.3)	1 9/16
1 1/2	UNT-1 1/2	1 7/8-20 UN	1.51 (38.4)	0.72 (18.3)	2 1/16

## O-Rings



Tube O.D. in.	Uniform Size Number	Ordering Number
1/16	001-1/2	OR-1/16
1/8	006	OR-1/8
1/4	010	OR-1/4
3/8	012	OR-3/8
1/2	014	OR-1/2
5/8	114	OR-5/8
3/4	116	OR-3/4
1	120	OR-1
1 1/2	128	OR-1 1/2

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