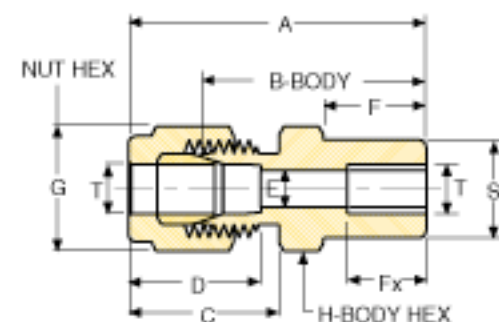


# Unilok® Tube To Weld

## U-TSWU: Tube Socket Weld Union

Unilok tube fittings with weld ends allow weld system connection to tubing with the advantage of a leak tight seal that can be disassembled in an otherwise permanently welded system.

CAD Drawing Download: [go](#)



\* Working Pressures

Part Number	T Tube O.D.	A	B	C	D	E Minimum Opening	F	Fx	G	H	S	Stainless Steel*	Brass*
U2TSWU2	1/8	1.14	0.88	0.60	0.50	0.09	0.34	0.25	7/16	7/16	0.31	---	---
U4TSWU4	1/4	1.32	1.03	0.70	0.60	0.19	0.41	0.31	9/16	1/2	0.44	---	---
U6TSWU6	3/8	1.48	1.19	0.76	0.66	0.28	0.47	0.38	11/16	5/8	0.62	---	---
U8TSWU8	1/2	1.62	1.22	0.86	0.90	0.41	0.47	0.50	7/8	13/16	0.75	---	---
U12TSWU12	3/4	1.71	1.31	0.86	0.96	0.62	0.47	0.56	1 1/8	1 1/16	1.05	---	---
U16TSWU16	1	2.07	1.59	1.04	1.23	0.88	0.56	0.75	1 1/2	1 3/8	1.31	---	---

Weld ends conform to ANSI B31.1 and B31.3 piping codes. Welding precautions: Prior to welding, remove the nut and ferrules. To protect the fitting body threads and seat, cover with a plug or another nut. Position a suitable heat sink to dissipate the heat. Insert the tube until bottomed in the socket, then back out approximately 1/16" before welding.

Note: The welding of a bottomed tube may lead to stress-cracking for the weld. To hold the fitting in proper alignment, tack and weld the fitting in four places (90 degrees apart) and then complete the weld. After welding, remove the protective plug or nut and replace with the nut and ferrules for tube installation. \*Generally, Unilok tube fittings are rated to the maximum allowable working pressures of the tubing recommended for use with the fittings. Click on the "Pressure Ratings" button above or contact your Authorized Distributor for more information regarding tubing and fitting pressure ratings.

Finger-tight assembly dimensions (shown in inches) are for reference only and subject to change. When ordering, specify material designator with part number. Click on the "How To Order" button above for complete ordering information.