

Job Name:

Engineer/Architect:

Job Location:

Wholesaler:

Submittal Date:

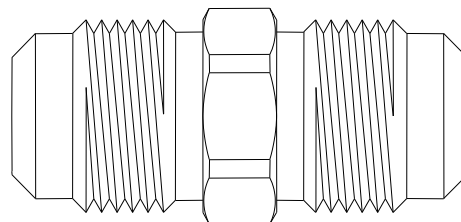
Contractor:

42 Series Flare Union

Use: For use with fuel, oil, liquefied petroleum (LP), and natural gas lines. Designed for use with aluminum, copper, brass, and welded steel tubing that can be flared.

Design Features:

- **Recommended for higher pressures** than those covered by compression fittings
- **Resist mechanical pull out**
- **Available in a broad range of sizes**



Operating Specifications:

Temperature: -65° - 250° F at maximum operating pressures

Working Pressure: See chart below

Vibration: Good vibration resistance*

*Recommend long flare nuts when greater vibration resistance is required

MAXIMUM WORKING PRESSURES											
Service Conditions	Tube O.D.	Type of Tubing and Wall Thickness (Inches)									
		Copper – Dead Soft (Seamless)					Copper – Half Hard (Seamless)				
		.030"	.032"	.035"	.049"	.065"	.032"	.035"	.042"	.049"	.065"
Safety Factor 4-1	1/8	4300		5000			5000				
	3/16	2850		3300			3400				
	1/4	2100	2250	2500			2500				
	5/16		1800	2000			2000				
	3/8		1500	1650			1700	1850			
	1/2		1100	1250		2000	1250	1400			2600
	5/8			1000	1400	1800	1000			1500	2000
	3/4			850	1150	1500			1100		1700
	7/8									1100	1500
Safety Factor 6-1	1/8	2800		3350			3400				
	3/16	1900		2200			2250				
	1/4	1430	1500	1650			1700				
	5/16		1200	1300			1350				
	3/8		100	1100			1100	1200			
	1/2		750	825		1550	850	925			1750
	5/8			650	930	1200	675			1000	1350
	3/4			550	775	1000			725		1100
	7/8									750	1000

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42 Series Flare Union

FITTING MATERIAL SPECIFICATIONS

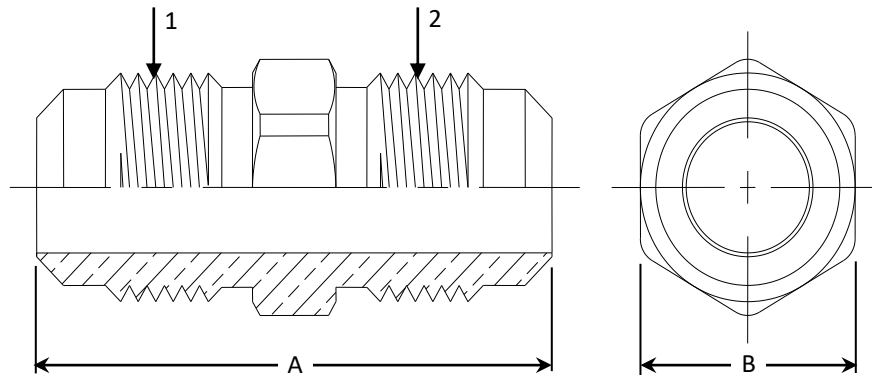
Body	Brass
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PART DIMENSIONS (Inches)

Model	Straight Threads (1)	Straight Threads (2)	DIM. A	HEX. B
42-2	5/16-24	5/16-24	.90	5/16
42-3	3/8-24	3/8-24	1.04	3/8
42-4	7/16-20	7/16-20	1.17	7/16
42-5-4	1/2-20	7/16-20	1.28	1/2
42-5	1/2-20	1/2-20	1.32	1/2
42-6-4	5/8-18	7/16-20	1.36	5/8
42-6-5	5/8-18	1/2-20	1.42	5/8
42-6	5/8-18	5/8-18	1.48	5/8
42-8-4	3/4-16	7/16-20	1.54	3/4

PART DIMENSIONS (Inches)

Model	Straight Threads (1)	Straight Threads (2)	DIM. A	HEX. B
42-8-6	3/4-16	5/8-18	1.69	3/4
42-8	3/4-16	3/4-16	1.79	3/4
42-10-6	7/8-14	5/8-18	1.88	7/8
42-10-8	7/8-14	3/4-16	2.00	7/8
42-10	7/8-14	7/8-14	2.10	7/8
42-12-8	1-1/16-14	3/4-16	2.19	1-1/16
42-12-10	1-1/16-14	7/8-14	2.31	1-1/16
42-12	1-1/16-14	1-1/16-14	2.42	1-1/16
42-14	1-1/4-12	1-1/4-12	2.72	1-1/4



Part Listing:

☐	42-2	1/8" OD tube, both ends
☐	42-2 B	1/8" OD tube, both ends, bulk
☐	42-3	3/16" OD tube, both ends
☐	42-3 B	3/16" OD tube, both ends, bulk
☐	42-4	1/4" OD tube, both ends
☐	42-4 B	1/4" OD tube, both ends, bulk
☐	42-4WN	1/4" OD tube, both ends, flare nuts included
☐	42-5-4	5/16" OD tube x 1/4" OD tube
☐	42-5	5/16" OD tube, both ends
☐	42-5 B	5/16" OD tube, both ends, bulk
☐	42-6-4	3/8" OD tube x 1/4" OD tube
☐	42-6-4 B	3/8" OD tube x 1/4" OD tube, bulk
☐	42-6-4WN	3/8" OD tube x 1/4" OD tube, flare nuts included
☐	42-6-5	3/8" OD tube x 5/16" OD tube

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Part Listing (con't):

☐	42-6	3/8" OD Tube, both ends
☐	42-6 B	3/8" OD Tube, both ends, bulk
☐	42-6WN	3/8" OD Tube, both ends, flare nuts included
☐	42-8-4	1/2" OD Tube x 1/4" OD Tube
☐	42-8-6	1/2" OD Tube x 3/8" OD Tube
☐	42-8-6 B	1/2" OD Tube x 3/8" OD Tube, bulk
☐	42-8-6WN	1/2" OD Tube x 3/8" OD Tube, flare nuts included
☐	42-8	1/2" OD Tube, both ends
☐	42-8 B	1/2" OD Tube, both ends, bulk
☐	42-8WN	1/2" OD Tube, both ends, flare nuts included
☐	42-10-6	5/8" OD Tube x 3/8" OD Tube
☐	42-10-6 B	5/8" OD Tube x 3/8" OD Tube, bulk
☐	42-10-8	5/8" OD Tube x 1/2" OD Tube
☐	42-10-8 B	5/8" OD Tube x 1/2" OD Tube, bulk
☐	42-10-8WN	5/8" OD Tube x 1/2" OD Tube, flare nuts included
☐	42-10	5/8" OD Tube, both ends
☐	42-10 B	5/8" OD Tube, both ends, bulk
☐	42-10WN	5/8" OD Tube, both ends, flare nuts included
☐	42-12-8	3/4" OD Tube x 1/2" OD Tube
☐	42-12-10	3/4" OD Tube x 5/8" OD Tube
☐	42-12	3/4" OD Tube, both ends
☐	42-12 B	3/4" OD Tube, both ends, bulk
☐	42-14	7/8" OD Tube, both ends
☐	42-14 B	7/8" OD Tube, both ends, bulk