

Job Name:

Engineer/Architect:

Job Location:

Wholesaler:

Submittal Date:

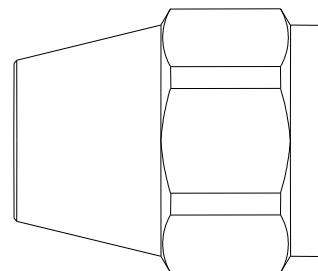
Contractor:

41S Series 45° Flare Nuts - Short

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 OD	Type of Tubing and Wall Thickness (Inches)								
		Copper – Dead Soft (Seamless)					Copper – Half Hard (Seamless)			
		.030"	.032"	.035"	.049"	.065"	.032"	.035"	.042"	.049"
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
	3/4			850	1150	1500			1100	1700
Safety Factor 6-1	7/8									1100
	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
	3/4			550	775	1000			725	1100
	7/8									750

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41S Series 45° Flare Nuts - Short

FITTING MATERIAL SPECIFICATIONS

Flare Nut	Brass
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PART DIMENSIONS (Inches)

Model	Straight Threads	DIM. A	HEX. B
41S-2	5/16-24	.50	3/8
41S-3	3/8-24	.62	7/16
41S-4	7/16-20	.75	9/16
41S-5	1/2-20	.88	5/8
41S-6	5/8-18	.80	23/32
41S-6X	5/8-18	1.00	3/4

PART DIMENSIONS (Inches)

Model	Straight Threads	DIM. A	HEX. B
41S-7	11/16-16	1.06	13/16
41S-8	3/4-16	1.00	7/8
41S-8X	3/4-16	1.12	7/8
41S-10	7/8-14	1.12	1
41S-12	1-1/16-14	1.50	1-1/4
41S-14	1-1/4-12	1.62	1-1/2

Part Listing:

- ☐ 41S-2 For 1/8" OD tube
- ☐ 41S-2 B For 1/8" OD tube, bulk
- ☐ 41S-3 For 3/16" OD tube
- ☐ 41S-3 B For 3/16" OD tube, bulk
- ☐ 41S-4 For 1/4" OD tube
- ☐ 41S-4 B For 1/4" OD tube, bulk
- ☐ 41S-5 For 5/16" OD tube
- ☐ 41S-5 B For 5/16" OD tube, bulk
- ☐ 41S-6 For 3/8" OD tube
- ☐ 41S-6 B For 3/8" OD tube, bulk
- ☐ 41S-6X For 3/8" OD tube, heavy pattern
- ☐ 41S-7 For 7/16" OD tube
- ☐ 41S-8 For 1/2" OD tube
- ☐ 41S-8 B For 1/2" OD tube, bulk
- ☐ 41S-8-H B For 1/2" OD tube, non-annealed, bulk
- ☐ 41S-8X For 1/2" OD tube, heavy pattern
- ☐ 41S-10 For 5/8" OD tube
- ☐ 41S-10 B For 5/8" OD tube, bulk
- ☐ 41S-12 For 3/4" OD tube
- ☐ 41S-12 B For 3/4" OD tube, bulk
- ☐ 41S-14 For 7/8" OD tube
- ☐ 41S-14 B For 7/8" OD tube, bulk

