

**For Residential and Commercial Applications**

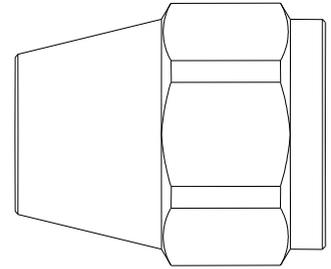
Job Name		Engineer / Architect	
Job Location		Wholesaler	
Submittal Date		Contractor	

## 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

<b>MAXIMUM WORKING PRESSURES</b>											
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"	.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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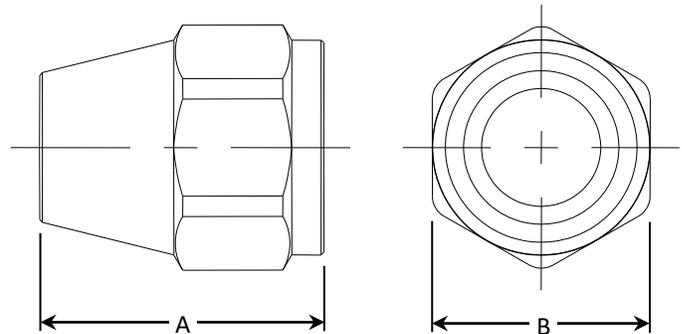
FITTING MATERIAL SPECIFICATIONS	
Flare Nut	Brass

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



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