



SAE 45° Flare Brass Fittings

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Advantages:

This economical fitting resists mechanical pullout. Can be assembled and disassembled repeatedly. Manufactured from CA 360, CA 345, or CA377 brass.

Specifications:

- Listed with Underwriter's Laboratories for flammable liquid, marine, refrigeration and gas applications. Meets functional requirements of SAE J512 and J513, ASA and MS (Military Standards).
- Temperature range: **-65°F to 250°F**

Applications:

- Use with copper, brass, aluminum and welded steel hydraulic tubing that can be flared
- Manufactured especially for hard-to-hold liquids and gases

Working Pressure Ranges:

Temperature and type of tubing used are important factors. However, the following table is a good guide for proper selection. Temperature **73°F** with copper tubing:

PSI	Tube O.D.	Tube Wall
2800	1/8"	.030
1900	3/16"	.030
1400	1/4"	.030
1200	5/16"	.032
1000	3/8"	.032
750	1/2"	.032
650	5/8"	.035
550	3/4"	.035
450	7/8"	.035

Assembly Instructions:

1. Cut tubing squarely and clean tube end thoroughly to remove burrs.
2. Place nut onto tube. Place threaded end of nut toward end of tube.
3. Flare tube end with flaring tool to provide 45° flare. (flare tools are available, please contact the factory for pricing and availability)
4. Clamp tube flare between nut and nose of fitting body by screwing nut on finger-tight. Tighten with a wrench an additional 1/4 turn for a metal-to-metal seal.

Flare fittings are easy to disassemble and may be reassembled repeatedly, for a leak-proof connection.

Long Nuts



Tube Size	Straight Thread	Hex	Brass	
			Part #	Price/E
1/4"	7/16-20	9/16"	41FL-4	\$1.60
3/8"	5/8-18	3/4"	41FL-6	4.50
1/2"	3/4-16	7/8"	41FL-8	5.50

- Long nut offers additional vibration capacity
- Reference SAE 010111

Short Nuts



Tube Size	Straight Thread	Hex	Brass	
			Part #	Price/E
1/4"	7/16-20	9/16"	41FS-4	\$1.30
3/8"	5/8-18	3/4"	41FS-6	2.25
1/2"	3/4-16	7/8"	41FS-8	3.10

- Short nut may be used when vibration is minimal
- Reference SAE 010110