

## Brass SAE 45° Flare Fittings

**Applications:**

- for use with copper, brass, aluminum and welded steel hydraulic tubing that can be flared

**Features:**

- economical fitting
- resists mechanical pullout
- easy to disassemble and may be reassembled repeatedly, for a leak-proof connection
- manufactured from CA 360, CA 345, or CA377 brass
- for use with hard-to-hold liquids and gases
- 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 (-54°C to 121°C)**

**Working Pressure Ranges:**

Temperature and type of tubing used are important factors, the following table is a general guide for proper selection. The PSI rating given is based on a temperature of **73°F (22°C)** using copper tubing.

PSI	Tube OD	Tube Wall
<b>1400</b>	1/4"	.030
<b>1000</b>	3/8"	.032
<b>750</b>	1/2"	.032
<b>650</b>	5/8"	.035
<b>550</b>	3/4"	.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 Dixon® 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.

### Male Connectors

**Feature:**

- reference SAE 010102

Tube Size	Pipe Size	Straight Thread	Hex	Brass Part #
1/4"	1/4"	7/16"-20	9/16"	<b>48F-4-4</b>
	3/8"	7/16"-20	11/16"	<b>48F-4-6</b>
	1/2"	7/16"-20	7/8"	<b>48F-4-8</b>
3/8"	1/8"	5/8"-18	5/8"	<b>48F-6-2</b>
	1/4"	5/8"-18	5/8"	<b>48F-6-4</b>
	3/8"	5/8"-18	11/16"	<b>48F-6-6</b>
	1/2"	5/8"-18	7/8"	<b>48F-6-8</b>
1/2"	1/4"	3/4"-16	3/4"	<b>48F-8-4</b>
	3/8"	3/4"-16	3/4"	<b>48F-8-6</b>
	1/2"	3/4"-16	7/8"	<b>48F-8-8</b>
5/8"	3/8"	7/8"-14	7/8"	<b>48F-10-6</b>
3/4"	3/4"	1-1/16"-14	1-1/16"	<b>48F-12-12</b>



### Female Connectors

**Feature:**

- reference SAE 010103

Tube Size	Pipe Size	Straight Thread	Hex	Brass Part #
1/4"	1/4"	7/16"-20	11/16"	<b>46F-4-4</b>
3/8"	1/4"	5/8"-18	11/16"	<b>46F-6-4</b>
	3/8"	5/8"-18	13/16"	<b>46F-6-6</b>
1/2"	1/2"	5/8"-18	1"	<b>46F-6-8</b>
	1/4"	3/4"-16	3/4"	<b>46F-8-4</b>
1/2"	3/8"	3/4"-16	13/16"	<b>46F-8-6</b>
	5/8"	3/8"	7/8"	<b>46F-10-6</b>

