

PART NUMBER SYSTEM

STYLE
SIZE
END
END
SIZE

44-8-6-8

1 2 3 4

POSITION 1
Style Number (a "1" prefix denotes a forged fitting e.g. 144-8-6-8).

POSITION 2, 3 & 4
End dimensions in 1/16" increments. This number could be read as Style 44 (flared bar) with a 8/16" (1/2") male end, a 6/16" (3/8") male end, and a 8/16" (1/2") male end on the branch. Part numbers for tees always read counter-clockwise, starting at the 9 o'clock position.



TUBE OR PIPE SIZES	INCHES
2	.....1/8
3	.....3/16
4	.....1/4
5	.....5/16
6	.....3/8
7	.....7/16

TUBE OR PIPE SIZES	INCHES
8	.....1/2
10	.....5/8
12	.....3/4
14	.....7/8
16	.....1

GENERAL INFORMATION

Most brass fittings have a temperature range of -65°F to 250°F. They can be used on copper, brass, aluminum, plastic, and welded steel (NOTE: Compression fittings are not recommended for steel tubing).

Working pressures vary by type and size of tubing used, and style of fitting. However, based on .032 wall copper tubing, the pressures may range as follows depending on size:

CONNECTION TYPE	WORKING PRESSURE
Flare (1/8" to 3/4")	.....600 to 3,000 PSI
Compression	.....100 to 400 PSI
Iron Pipe	.....Up to 1,200 PSI
PEX Tubing	.....Up to 150 PSI
Polyethylene Tubing	.....Up to 80 PSI

FLARE FITTINGS

Recommended for higher pressures than compression fittings, Brass Craft 45° flare fittings have been used extensively for fuel, oil, air, liquid petroleum (LPG), and natural gas connections. (NOTE: Furnished with body only. Nut not included).



45° Flare



Inverted Flare

COMPRESSION FITTINGS

Brass Craft quality-made, leak-proof compression fittings are widely used wherever an easy and economical method of connecting tubing is required. (NOTE: Furnished with body, nut and sleeve).



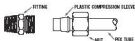
WARNING: Do not use compression fittings for gas connections of any kind.

FITTING THREAD SIZE COMPARISON CHART

SIZE	FLARE	INVERTED FLARE	COMPRESSION	PIPE	AIR BRAKE HOSE	AIR BRAKE TUBE
1/8	9/16-24	5/16-28	5/16-24	1/8-27	—	—
3/16	3/8-24	3/8-24	3/8-24	—	—	—
1/4	7/16-20	7/16-24	7/16-24	1/4-18	3/8-20	7/16-24
5/16	1/2-20	1/2-20	1/2-24	—	—	—
3/8	5/8-18	5/8-18	9/16-24	3/8-18	1/2-20	1/2-24
7/16	1 1/16-16	1 1/16-16	5/8-24	—	—	—
1/2	3/4-16	3/4-18	1 1/16-20	1/2-14	1-3/32-20	1 1/16-20
5/8	7/8-14	7/8-18	1 3/16-18	—	—	1 3/16-18
3/4	1-1 1/16-14	1-1 1/16-16	1-18	3/4-14	—	1-18
7/8	1-1/8-12	—	1-1/8-18	—	—	—
1	1-3/8-12	—	—	1-11/12	—	—

PEX TUBE COMPRESSION CONNECTION

For PEX Tube 3/8 IN. O.D. and smaller, use plastic compression sleeve.



For PEX Tube larger than 3/8 IN. O.D., use brass compression sleeve with stainless steel tube insert.

