

Compression Fittings

Advantages

No flaring, soldering or other preparation of tubing necessary to assemble. This economical fitting is readily available in a broad selection of styles. Manufactured from CA 360, CA 345 or CA 377 brass.

Specifications

Listed with Underwriter's Laboratories for flammable liquid. Compression fittings meet functional requirements of SAE J-512. Refer to list of UL listed fittings on page M10 for specific configurations.

Applications

Use with annealed copper, aluminum, and Parflex thermoplastic tubing. Not recommended for steel tubing. Manufactured for low and medium pressure tubing connection work where excessive vibration or tube movement is not involved. Not recommended for application using gaseous media.

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. For thermoplastic tubing, see manufacturers recommendation for pressure range.

PSI	Tube O.D. (Inches)	Tube Wall (Inches)
400	1/8	.030
400	3/16	.030
300	1/4	.030
300	5/16	.032
200	3/8	.032
200	1/2	.032
150	5/8	.035
100	3/4	.035
75	7/8	.035

Temperature Ranges

From -65° to +250°F with soft metal tubing. For thermoplastic tubing, see manufacturers recommendation for tubing temperature range.

Vibration

Fair resistance to vibration or tube movement, depending on applications involved. Use long nut for additional resistance to vibration.

Assembly Instructions

- Slide nut, then sleeve onto tubing. The thread end of the nut must face out.
- Insert the tube into the fitting. Be sure the tube is bottomed on the fitting shoulder.
- Assemble nut to body, and tighten "hand-tight". Then follow the number of wrench turns as indicated in the following table.

Order

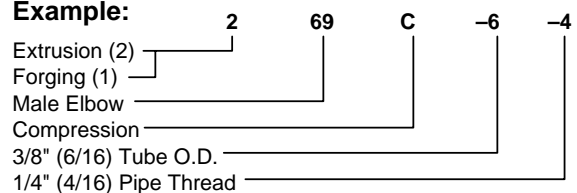
By part number and name.

Fitting Size	Tube Size	Turns required to seal from hand-tight	
		60C with soft metal tubing	60PT with thermoplastic tubing
2	1/8	1-1/4	—
3	3/16	1-1/4	—
4	1/4	1-1/4	2
5	5/16	1-1/4	2
6	3/8	2-1/4	2
8	1/2	2-1/4	2
10	5/8	2-1/4	2
12	3/4	2-1/4	2
14	7/8	2-1/4	—

Nomenclature

Part numbers are constructed from symbols that identify the style and size of the fitting. The first series of numbers and letters identifies the style and type fitting. The second series of numbers describes the size.

Example:



Note: To order compression assemblies with long nuts, add the letter "L" after the letter "C". Example: 62C-4 with short nut, 62CL-4 with long nut

Sizes

Tube sizes are determined by the numbers of sixteenths of an inch in the tube O.D.

Special Fittings

Fitting configurations and/or sizes other than those shown in the catalog can be furnished. It is suggested that a print or sketch be submitted with the inquiry. Special UL stamped fittings are available. Please consult price list.

Pricing

Only items priced in current supplementary price list PL3501 are carried in stock. Price and delivery for non-stock items furnished on request for specified quantity.