Data Sheet

Compression Fittings

The Right Connection®

Compression Fittings

60C	Sleeve
60PT	Acetal Sleeve*
61C	Nut
61CL	Long Nut
62C	Union
62CBH	Bulkhead Union
63PT	Brass and SS Insert*
66C	Female Connector
68C	Male Connector
164C/264C	Union Tee
165C	Union Elbow
169C/269C	Male Elbow
170C	Female Elbow
171C	Male Run Tee
172C	Male Branch Tee
176C	Adapter Tee
177C	Female Branch Tee
179C	45° Elbow
639C	Seal Plug
682C	Straight Thru Tank Fitting

Compliances

- Meets functional requirements of SAE J512
- Reference: 060101BA, 060102BA, 060103BA, 060110, 060111,060115, 060201BA, 060202BA, 060203BA, 060401BA, and 060424BA
- UL Listed for flammable liquids

Compatible Piping Products

- Annealed copper, aluminum, or thermoplastic

*Acetal Sleeves 60PT and Inserts 63PT allow for standard compression fittings to be used with industrial grades of thermoplastic tubing.

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Applications

- Low and medium pressure tubing connection work where excessive vibration or tube movement is not involved. Long nut recommended for additional vibration resistance.
- Non-potable water service

Materials

- Brass: alloy 360 and 230 for straight fittings
- Brass: alloy 377 for forged shapes
- Brass: Alloy 23000 - low lead for 63PT
- 302SS or 304SS: for 63PT (3 sizes)

Specifications

- Temperature: from **-65°F (-54°C)** to **+250°F (121°C)** with soft metal tubing and manufacturer's recommendations for thermoplastic tubing
- Working pressure at **73°F (23°C)**, refer to the following table:

PSI	Tube O.D.	Tube Wall
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"

Assembly Guide

- Slide nut then sleeve onto tubing with thread end of nut facing out
- Insert tube into fitting ensuring that tube has bottomed out in the fitting body
- Assemble nut to fitting body and hand-tighten
- Wrench tighten per the following table

Turns Required To Seal From Hand-Tight

Fitting Size	Tube Size	60-Series with Soft Metal Tubing	60PT*-Series 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	-

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