

Hi-Duty Flareless Tube Fittings

Advantages

No flaring, soldering or other preparation of tubing is necessary. Pre-assembled fitting, with sleeve machined onto nut. This two piece flareless compression design is available in a broad selection of configurations from 1/8" through 5/8" OD. tube size.

Applications

Use with copper, brass, seamless steel and thermoplastic tubing for instrumentation systems, farm and mobile construction equipment, hydraulic and pneumatic controls, process control systems and laboratory equipment.

Steel tubing must be cold drawn and annealed seamless low-carbon steel tubing per SAE J524 with a maximum hardness of Rockwell B 65. Brass insert 63PT is recommended for use with thermoplastic tubing.

Working Pressure Range

Up to 4,300 psi depending on tubing being used

Maximum Recommended Working Pressue

| Tube O.D. | PSI |
|-----------|-------|
| 1/8 | 4,300 |
| 3/16 | 2,850 |
| 1/4 | 2,100 |
| 5/16 | 1,800 |
| 3/8 | 1,500 |
| 1/2 | 1,150 |
| 5/8 | 1,000 |

Assembly Instructions

1. Cut tube squarely and cleanly removing all burrs.
2. Grasp fitting. Do not remove nut.
3. Insert tube in fitting through nut until tube seats firmly against tube shoulder in body.
4. Grip tube firmly to prevent turning and tighten nut to finger-tight. Continue to tighten nut for one and three-quarter additional turns (one and one-half turns for 1/2" size tube fittings) for a positive, leak proof seal. During tightening a slight "give" will be felt. This "give" indicates the sleeve has been sheared from the nut. It is not necessary to tighten the nut all the way down.

To Reconnect:

1. Reinsert tubing
2. Tighten nut one-eighth of a turn more than previous make-up.

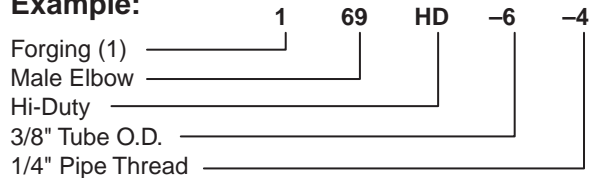
Order

By part number and name.

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 of fitting. The second series of numbers describes the size.

Example:



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.

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.