

## Poly-Tite Fittings

### Advantages

A compact brass compression fitting designed to speed any installation. Body, nut and sleeve are furnished pre-assembled, ready for installation. An exclusive acetal copolymer sleeve holds plastic tubing where it belongs, even when the system pressure exceeds the tubing burst point. Poly-Tite sleeves have superior resilience to resist creeping and stress caused from compression. The black acetal copolymer sleeve also resists ultra-violet ray attack and has excellent dimensional stability. Poly-Tite nuts will rotate around the sleeve as it tightens to prevent twisting and weakening of the plastic tubing. Poly-Tite fittings can be assembled and disassembled repeatedly.

### Materials

Bodies and Nuts: CA 377, CA 360, CA 345, 316 Stainless Steel  
Plastic Sleeves: Acetal Copolymer.

O-rings: Buna N on chrome plated couplings  
Viton on stainless steel couplings

### Applications

Use with Parker Parflex® or other high-quality thermoplastic tubing for pneumatic instrumentation circuits, lubricant and coolant lines, and applications with other gases and liquids. For use with soft metal tubing and nylon thermoplastic tubing, use brass sleeve and nut assembly 61PB.

### Working Pressure and Temperature Ranges

Up to 150 PSI from 0° to +150°F with thermoplastic tubing. Up to 300 PSI from 0° to +175°F with soft metal tubing.

### Assembly Instructions

#### Polyethylene, polypropylene and vinyl tubing:

1. Cut tubing squarely—maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Insert tube end until it bottoms in the Poly-Tite fitting and tighten knurl/hex nut finger-tight — plus one wrench turn.

#### Copper, aluminum and nylon tubing:

Brass sleeves are recommended. Insert tube until it bottoms in the Poly-Tite fitting and tighten one wrench turn past finger-tight.

#### Maximum allowable metal tube wall thickness for use with Poly-Tite fittings:

1/8", 3/16" O.D. — no limitation, 1/4" O.D. — .035  
5/16", 3/8", 1/2" O.D. — .049

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

**Example:**                    66            P            -4            -2

Female Connector ————┐  
(Tube to female pipe)     ├  
Poly-Tite                    ┌──┐  
1/4" (4/16) Tube O.D.     ├──┤  
1/8" (2/16) Pipe Thread ───┘

### Sizes

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

### Special Fittings

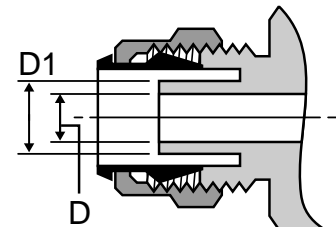
Fitting configurations and/or sizes other than those shown in the catalog can be furnished. It is suggested that a print or sketch be submitted with the inquiry.

### Pricing

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

### Tube Support O.D.

Tube Size Inches	* D1 Tube Support O.D.
1/4	.168
5/16	.185
3/8	.248
1/2	.373



\* Note: No tube support for sizes 1/8" and 3/16"