



High Pressure Equipment

Taper Seal Connections

10,000 and 15,000 psi service

Taper Seal connections are available for $\frac{1}{16}$ ", $\frac{1}{8}$ ", $\frac{1}{4}$ ", and $\frac{3}{8}$ " O.D. tubing. No special tubing preparation is required – simply cut tubing to desired length, deburr and assemble.

The $\frac{1}{8}$ ", $\frac{1}{4}$ ", and $\frac{3}{8}$ " sizes utilize a two-piece sleeve which is supplied partially assembled. When the connection is assembled, the outer sleeve portion is permanently compressed over the inner portion to rigidly lock the sleeve onto the tubing. Note that the sleeve is not forced to bite into the tubing, but rather is clamped onto the tubing much like a machine collet.

Pressure ratings.

The $\frac{1}{16}$ " and $\frac{1}{8}$ " O.D. tubing size connections are rated to 15,000 psi working pressure.

The $\frac{1}{4}$ " and $\frac{3}{8}$ " O.D. sizes are rated to 10,000 psi working pressure.

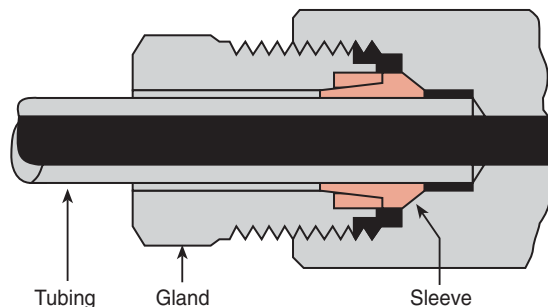
Easy make-up connections.

One of the popular benefits of taper seal connections is that it is very easy to determine when the connection is "tight enough" during initial assembly. Simply rotate the tubing gland into the connection until you feel a "bottoming out" or "dead stop" of the wrench. This signals that the connection has been properly made.

A commercial thread lubricant is highly recommended to facilitate initial makeup of the connection, but such lubrication may be removed afterwards if desired. The Taper Seal connection can be disassembled and then reassembled an indefinite number of times.

Standard material for the gland is Type 316 stainless steel. The inner portion of the two-piece sleeve is Type 316 stainless steel. The non-wetted outer sleeve portion is zinc plated alloy steel. (Note that the $\frac{1}{16}$ " O.D. size is a one-piece sleeve design) in Type 316 stainless steel.

Tubing glands and sleeves are provided with all valves and fittings unless otherwise requested. (See chart at right for size details and catalog numbers).



15,000 psi		10,000 psi	
AF1 $\frac{1}{16}$ " O.D. Tubing	AF2 $\frac{1}{8}$ " O.D. Tubing	AF4 $\frac{1}{4}$ " O.D. Tubing	AF6 $\frac{3}{8}$ " O.D. Tubing
Female Opening Detail			
Gland			
15-2AM1	15-2AM2	10-2AM4	10-2AM6
Sleeve			
15-2A1	15-2A2	10-2A4	10-2A6
Plug			
15-7AM1	15-7AM2	10-7AM4	10-7AM6