



Fluid Power Specialist



## Pressure Ratings of Tube Fittings

The pressure rating for fittings depends upon the size and the safety factor desired. In tube fittings from size 2 thru size 32, it has been generally found that the fitting itself is stronger than the tubing. These pressure ratings are for Flared tube ends and O-Ring Seal Tube Fittings, unions, connectors, bulkheads and swivel fittings. Thus the safety factor of the tubing governs the limiting factor for the assembly. Typical recommended maximum static working pressure for the tube fittings with SAE J525 (1010) steel tubing with a 4:1 safety factor are:

SIZE	PRESSURE
4	4,500 PSI
5	4,000 PSI
6	4,000 PSI
8	4,000 PSI
10	3,000 PSI
12	3,000 PSI
14	2,500 PSI
16	2,500 PSI
20	2,000 PSI
24	1,500 PSI
32	1,125 PSI

