# SUPERLOK TUBE FITTINGS PRESSURE RATING

**The pressure rating for all tube fittings is only determined by the tubing used in the application. The weak point in all tube fitting processes is the tubing itself due to the fact that the fitting wall is thicker than all applicable tubing variations. Superlok has done many burst pressure tests and all results show the tube bursting before the fitting or ferrule failure. There are no tube fitting manufacturers to our knowledge that publish or advertise pressure ratings for their tube fittings and only publish a tube working pressure charts as seen below.**

## WALL THICKNESS OF TUBING

| TUBE DIAMETER Inch | 0.010 | 0.012 | 0.014 | 0.016 | 0.020 | 0.028 | 0.035 | 0.049 | 0.065 | 0.083 | 0.095 | 0.109 | 0.120 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/16" | 5600 | 6860 | 8150 | 9840 | 12080 | | | | | | | | |
| 1/8" | | | | | | 8,550 | 10,950 | | | | | | |
| 3/16" | | | | | | 5,500 | 7,100 | 10,300 | | | | | |
| 1/4" | | | | | | 4,100 | 5,200 | 7,600 | 10,300 | | | | |
| 5/16" | | | | | | | 4,100 | 5,900 | 8,100 | | | | |
| 3/8" | | | | | | | 3,350 | 4,850 | 6,550 | | | | |
| 1/2" | | | | | | | 2,650 | 3,750 | 5,150 | 6,750 | | | |
| 5/8" | | | | | | | | 2,950 | 4,050 | 5,250 | 6,050 | | |
| 3/4" | | | | | | | | 2,450 | 3,350 | 4,250 | 4,950 | 5,850 | |
| 7/8" | | | | | | | | 2,050 | 2,850 | 3,650 | 4,250 | 4,850 | |
| 1" | | | | | | | | | 2,400 | 3,100 | 3,600 | 4,200 | 4,700 |

Multiply pressure by .80 for welded tube pressure rating.
Pressure stated is working pressure at -20° - 100°F
316 SS & 304 SS / ASTM A269-ASTM A213

## NPT THREAD RATINGS

| | MALE | FEMALE |
|---|---|---|
| 1/16" | 11,000 | 6,700 |
| 1/8" | 10,000 | 6,500 |
| 1/4" | 8,000 | 6,600 |
| 3/8" | 7,800 | 5,300 |
| 1/2" | 7,700 | 4,900 |
| 3/4" | 7,300 | 4,600 |
| 1" | 5,300 | 4,400 |

316 Stainless NPT