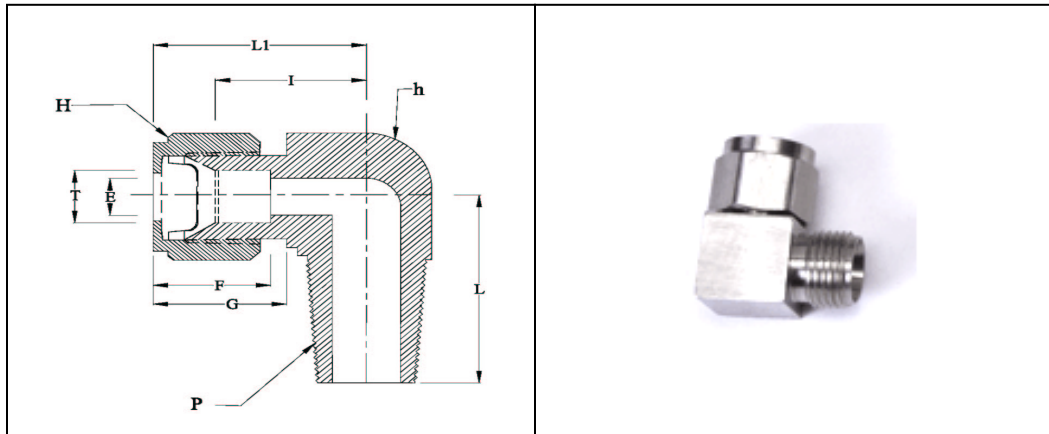


Male Elbow



| Tube O.D. T in | P (NPT) | E Min | h in | H in | F | G | I | L | L ₁ |
|----------------------|------------|----------|--------|-------|-------|-------|-------|-------|----------------|
| 1/8 | 1/8 | 2.28 | 1/2 | 7/16 | 12.70 | 15.24 | 18.30 | 24.91 | 18.90 |
| 1/8 | 1/4 | 2.28 | 1/2 | 7/16 | 12.70 | 15.24 | 18.30 | 24.91 | 23.36 |
| 3/16 | 1/8 | 3.04 | 1/2 | 1/2 | 13.71 | 16.00 | 18.79 | 25.40 | 18.79 |
| 3/16 | 1/4 | 3.04 | 1/2 | 1/2 | 13.71 | 16.00 | 18.79 | 25.40 | 23.36 |
| 1/4 | 1/8 | 4.82 | 1/2 | 9/16 | 15.24 | 17.78 | 19.10 | 26.47 | 19.10 |
| 1/4 | 1/4 | 4.82 | 1/2 | 9/16 | 15.24 | 17.78 | 19.81 | 27.18 | 23.87 |
| 1/4 | 3/8 | 4.82 | 11/16 | 9/16 | 15.24 | 17.78 | 22.35 | 29.71 | 28.40 |
| 1/4 | 1/2 | 4.82 | 13/16 | 9/16 | 15.24 | 17.78 | 24.60 | 31.97 | 35.10 |
| 5/16 | 1/8 | 4.82 | 9/16 | 5/8 | 16.25 | 18.54 | 21.33 | 28.70 | 19.81 |
| 5/16 | 1/4 | 6.35 | 9/16 | 5/8 | 16.25 | 18.54 | 22.40 | 29.77 | 24.50 |
| 5/16 | 3/8 | 6.35 | 11/16 | 5/8 | 16.25 | 18.54 | 23.11 | 30.48 | 28.40 |
| 3/8 | 1/8 | 4.82 | 5/8 | 11/16 | 16.76 | 19.30 | 23.11 | 30.48 | 20.60 |
| 3/8 | 1/4 | 7.11 | 5/8 | 11/16 | 16.76 | 19.30 | 23.11 | 30.48 | 25.40 |
| 3/8 | 3/8 | 7.11 | 11/16 | 11/16 | 16.76 | 19.30 | 23.87 | 31.24 | 28.44 |
| 3/8 | 1/2 | 7.11 | 13/16 | 11/16 | 16.76 | 19.30 | 23.80 | 31.42 | 33.02 |
| 3/8 | 3/4 | 7.11 | 1-1/16 | 11/16 | 16.76 | 19.30 | 29.71 | 37.08 | 36.83 |
| 1/2 | 1/4 | 7.11 | 13/16 | 7/8 | 22.86 | 21.84 | 25.90 | 36.06 | 28.30 |
| 1/2 | 3/8 | 9.65 | 13/16 | 7/8 | 22.86 | 21.84 | 25.90 | 36.06 | 28.30 |

| | | | | | | | | | |
|-----|-----|-------|---------|-------|-------|-------|-------|-------|-------|
| 1/2 | 1/2 | 10.41 | 13/16 | 7/8 | 22.86 | 21.84 | 25.90 | 36.06 | 33.02 |
| 1/2 | 3/4 | 10.41 | 1-1/16 | 7/8 | 22.86 | 21.84 | 29.71 | 39.87 | 36.83 |
| 5/8 | 3/8 | 9.65 | 15/16 | 1 | 24.38 | 21.84 | 26.90 | 37.06 | 29.40 |
| 5/8 | 1/2 | 11.93 | 15/16 | 1 | 24.38 | 21.84 | 26.90 | 37.06 | 34.00 |
| 5/8 | 3/4 | 12.70 | 1-1/16 | 1 | 24.38 | 21.84 | 29.71 | 39.87 | 36.83 |
| 3/4 | 1/2 | 11.93 | 1-1/16 | 1-1/8 | 24.38 | 21.84 | 29.71 | 39.87 | 37.00 |
| 3/4 | 3/4 | 15.74 | 1-1/16 | 1-1/8 | 24.38 | 21.84 | 29.71 | 39.87 | 36.83 |
| 7/8 | 3/4 | 15.74 | 1-1/4 | 1-1/4 | 25.90 | 21.84 | 34.54 | 44.70 | 41.65 |
| 1 | 3/4 | 15.74 | 1-27/64 | 1-1/2 | 31.24 | 26.41 | 36.83 | 49.02 | 42.20 |
| 1 | 1 | 22.35 | 1-27/64 | 1-1/2 | 31.24 | 26.41 | 36.83 | 49.02 | 46.70 |