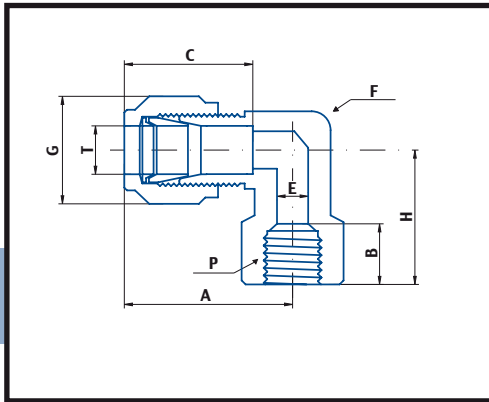


FEMALE ELBOW

GF

Metric OD tube x Female NPT thread

| T TUBE OD | P NPT FEMALE | A | B | C | E | F | G | H | PART No. |
|-----------|--------------|------|------|------|------|----|----|------|------------------|
| 3 | 1/8" | 24.6 | 10.4 | 12.9 | 2.4 | 14 | 11 | 19.0 | M - 3 - 2 - GF |
| 3 | 1/4" | 27.4 | 15.0 | 12.9 | 2.4 | 19 | 11 | 22.4 | M - 3 - 4 - GF |
| 6 | 1/8" | 27.0 | 10.4 | 15.3 | 4.8 | 14 | 14 | 19.0 | M - 6 - 2 - GF |
| 6 | 1/4" | 29.8 | 15.0 | 15.3 | 4.8 | 19 | 14 | 22.4 | M - 6 - 4 - GF |
| 6 | 1/2" | 34.6 | 19.8 | 15.3 | 4.8 | 27 | 14 | 28.5 | M - 6 - 8 - GF |
| 8 | 1/4" | 30.6 | 15.0 | 16.2 | 6.3 | 19 | 16 | 22.4 | M - 8 - 4 - GF |
| 8 | 3/8" | 32.6 | 15.0 | 16.2 | 6.3 | 22 | 16 | 22.4 | M - 8 - 6 - GF |
| 10 | 1/4" | 33.5 | 15.0 | 17.2 | 7.9 | 19 | 19 | 22.4 | M - 10 - 4 - GF |
| 10 | 3/8" | 33.5 | 15.0 | 17.2 | 7.9 | 22 | 19 | 22.4 | M - 10 - 6 - GF |
| 12 | 1/4" | 36.0 | 15.0 | 22.8 | 9.5 | 22 | 22 | 22.4 | M - 12 - 4 - GF |
| 12 | 3/8" | 36.0 | 15.0 | 22.8 | 9.5 | 22 | 22 | 22.4 | M - 12 - 6 - GF |
| 12 | 1/2" | 38.8 | 19.8 | 22.8 | 9.5 | 27 | 22 | 28.5 | M - 12 - 8 - GF |
| 16 | 1/2" | 39.5 | 19.8 | 24.4 | 12.7 | 27 | 25 | 28.5 | M - 16 - 8 - GF |
| 25 | 3/4" | 49.0 | 20.6 | 31.3 | 22.3 | 35 | 38 | 31.8 | M - 25 - 12 - GF |
| 25 | 1" | 53.6 | 25.4 | 31.3 | 22.3 | 41 | 38 | 38.1 | M - 25 - 16 - GF |



FEMALE ELBOW

GF

Inch OD tube x Female NPT thread

| T TUBE OD | P NPT FEMALE | A | B | C | E | F | G | H | PART No. |
|-----------|--------------|------|------|------|------|----|------|------|------------------|
| 1/8" | 1/8" | 24.6 | 10.4 | 12.7 | 2.4 | 14 | 11 | 19.0 | P - 2 - 2 - GF |
| 1/8" | 1/4" | 27.4 | 15.0 | 12.7 | 2.4 | 19 | 11 | 22.4 | P - 2 - 4 - GF |
| 1/4" | 1/8" | 26.9 | 10.4 | 15.3 | 4.8 | 14 | 14 | 19.0 | P - 4 - 2 - GF |
| 1/4" | 1/4" | 29.7 | 15.0 | 15.3 | 4.8 | 19 | 14 | 22.4 | P - 4 - 4 - GF |
| 1/4" | 3/8" | 31.8 | 15.0 | 15.3 | 4.8 | 22 | 14 | 22.4 | P - 4 - 6 - GF |
| 1/4" | 1/2" | 34.6 | 19.8 | 15.3 | 4.8 | 27 | 14 | 28.5 | P - 4 - 8 - GF |
| 5/16" | 1/8" | 28.7 | 10.4 | 16.3 | 6.3 | 19 | 16 | 19.1 | P - 5 - 2 - GF |
| 5/16" | 1/4" | 30.5 | 15.0 | 16.3 | 6.3 | 22 | 16 | 22.4 | P - 5 - 4 - GF |
| 3/8" | 1/8" | 30.5 | 10.4 | 16.8 | 7.1 | 17 | 17 | 19.1 | P - 6 - 2 - GF |
| 3/8" | 1/4" | 31.2 | 15.0 | 16.8 | 7.1 | 19 | 17 | 22.4 | P - 6 - 4 - GF |
| 3/8" | 3/8" | 33.3 | 15.0 | 16.8 | 7.1 | 22 | 17 | 22.4 | P - 6 - 6 - GF |
| 3/8" | 1/2" | 36.0 | 19.8 | 16.8 | 7.1 | 27 | 17 | 28.5 | P - 6 - 8 - GF |
| 1/2" | 1/4" | 36.0 | 15.0 | 22.9 | 7.1 | 22 | 22 | 22.4 | P - 8 - 4 - GF |
| 1/2" | 3/8" | 36.0 | 15.0 | 22.9 | 10.4 | 22 | 22 | 22.4 | P - 8 - 6 - GF |
| 1/2" | 1/2" | 38.9 | 19.8 | 22.9 | 10.4 | 27 | 22 | 28.5 | P - 8 - 8 - GF |
| 5/8" | 3/8" | 38.1 | 15.0 | 24.4 | 12.7 | 24 | 25 | 22.4 | P - 10 - 6 - GF |
| 5/8" | 1/2" | 39.9 | 19.8 | 24.4 | 12.7 | 27 | 25 | 28.5 | P - 10 - 8 - GF |
| 3/4" | 1/2" | 39.9 | 19.8 | 24.4 | 15.8 | 27 | 28.5 | 28.5 | P - 12 - 8 - GF |
| 3/4" | 3/4" | 44.7 | 20.6 | 24.4 | 15.8 | 35 | 28.5 | 31.8 | P - 12 - 12 - GF |
| 7/8" | 3/4" | 44.7 | 20.6 | 25.9 | 18.2 | 35 | 32 | 31.8 | P - 14 - 12 - GF |
| 1" | 3/4" | 49.0 | 20.6 | 31.2 | 22.3 | 35 | 38 | 31.8 | P - 16 - 12 - GF |
| 1" | 1" | 53.6 | 25.4 | 31.2 | 22.3 | 41 | 38 | 38.1 | P - 16 - 16 - GF |