

QF Elbows, Tubed, Sizes 3" - 8"

3214

| ID In. | Bend Degrees Available | CLR (Center Line Radius) | Tangents | | Std Weight 30° Lbs | Std Weight 45° Lbs | Std Weight 60° Lbs | Std Weight 90° Lbs | Galvanized Steel | 304SS (or 316SS) |
|--------|--------------------------|------------------------------|------------|------|--------------------|--------------------|--------------------|--------------------|------------------|------------------|
| | | | Galvanized | SS | | | | | | 14ga |
| 3 | 30° 45° 60° 90° | 1.5 Optional - 2.5 | 2.00 | 2.00 | 1.15 | 1.75 | 2.31 | 3.50 | 16ga | Standard |
| 4 | | | | | 1.65 | 2.50 | 3.33 | 5.00 | | |
| 5 | | | | | 2.48 | 3.75 | 4.95 | 7.40 | | |
| 6 | | | | | 3.33 | 5.00 | 6.67 | 10.25 | | |
| 8 | | | | | 4.95 | 7.50 | 9.98 | 15.00 | | |

Construction:

Standard galvanized steel tube 3" to 6", and 8".

Ends: Standard QF end can be changed to Raw ID (RAWID), Raw OD (RAWOD), No Fitting (NF), Hose Adapter (RAWFLEX), Flat Flange (FFL), Angle Flange (ANGFL), or Van Stone (VANSTONE).

Collars: Each end has 2" long collars with one collar on the outside of the tube and another on the inside to make the elbow airflow directional. Please specify direction if ordering varying ends.

Collars have a laser welded longitudinal seam. A raised lap seam and spot weld are used for attaching the collar to the body and no caulking is used. If caulking is required, additional cost is incurred.

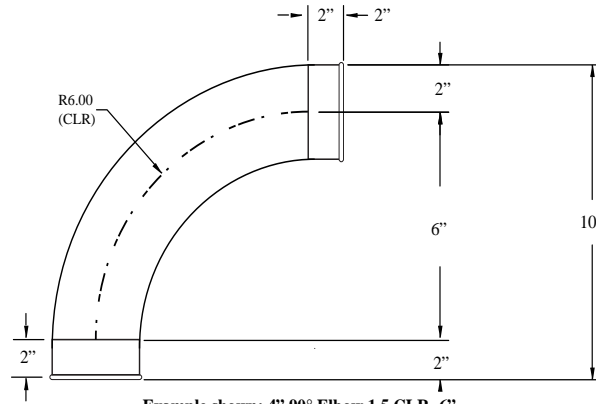
Notes:

Long Radius Elbows available with 2.5 CLR.

Height of 90° elbows can be calculated:

(Elbow diameter X CLR) + length of one tangent + 1/2 diameter

Example: (4" X 1.5) + 2 + 2 = 10



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| Temperature Rating of Product Components | | | | | | Additional Notes |
|--|------------------------|------------------|-----------------------------------|--|---|---|
| ° F | QF Press Formed Elbows | | Sealants | | | |
| 1100° | Galvanized Steel | Optional - 304SS | 3M Scotch Seal Metal Sealant 2084 | Optional - Rock River Silicone Sealant | Optional - Red Devil HVAC/R High Temperature Silicone Sealant | Optional - Epoxy - 3M DP 125 Gray Sealant |
| 500° | | | | | | |
| 390° | | | | | | |
| 250° | | | | | | |
| 194° | | | | | | |
| 0° | | | | | | |
| -40° | | | | | | |
| -60° | | | | | | |

At temperatures ranging between 390° F and 480° F, the zinc-iron alloy layers in galvanized steel will continue to provide a high level of protection from corrosion. However, there may be some peeling, changes in mechanical properties, and reduction in the corrosion protection. Recommended max. service temperature is 390° F.

Rock River Silicone Sealant and Red Devil HVAC/R High Temperature Silicone Sealant are not paintable

304SS:
bluing may occur at 800° F and above

| Compliance / Rating of Product Components | | |
|---|---------------|---|
| Product | Material | Compliance / Rating |
| QF Tubed Elbows | Galvanized | ASTM A527 with a G-90 rating |
| | 304SS | Finish meets ASTM A240 |
| | 316SS | Finish meets ASTM A240 |
| 3M Scotch Seal Metal Sealant 2084 | Acetone blend | AAMA Specification 801.1 |
| Rock River Sealant | 100% Silicone | ASTM C920 Class 25, TT-S-00230C Class A and TT-S-001543A, FDA No 421 CFR 117.2600, conforms to FDA requirements |
| Red Devil HVAC/R High Temperature Sealant | Silicone | ASTM C920 Class 25, TT-S-00230C Class A and TT-S-001543A, CEBTP 432.6 140-2, Mil Spec 46106A, CGSB 19C9-9B, DIN 18540 Part 2, OREX 150031-2 |