

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		
								14ga		

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.

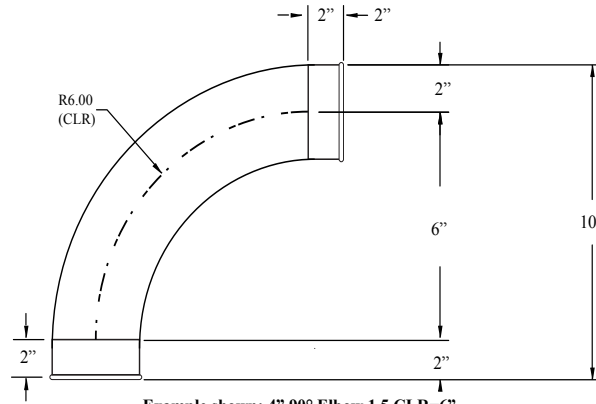
Notes:

Long Radius Elbows available with 2.5 CLR.

Reference Nordfab's QF Machine Adapter Technical Data sheet for actual ID and OD dimensions.

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



Example shown: 4" 90° Elbow 1.5 CLR=6"



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 A653 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