

# 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 <b>Optional - 2.5</b>	2.00	2.00	1.15	1.75	2.31	3.50	16ga	<b>Standard</b>
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" 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 (exception: 3" collars are lapped, spot welded, and caulked.) 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.

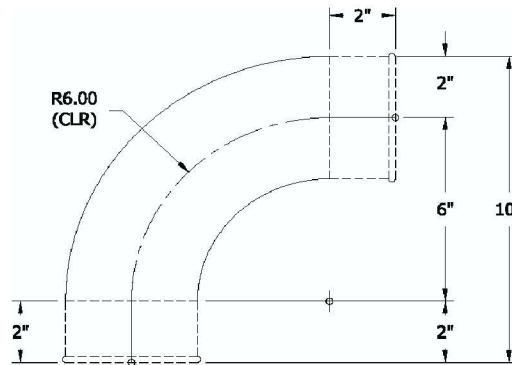
**Notes:**

Long Radius Elbows available with 2.5 CLR.

**Height of 90° elbows can be calculated:**

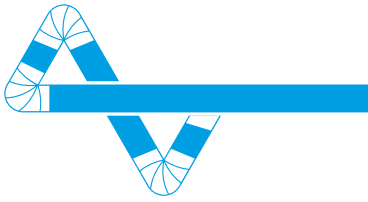
(Elbow diameter X CLR) + length of one tangent + 1/2 diameter

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



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





# QF Elbows, Tubed, Sizes 3" - 8" 3214

TECHNICAL  
DATA

## Temperature Rating of Product Components

° F	QF Press Formed Elbows	Sealants					
-60°	Galvanized Steel	Optional - 304SS	3M Scotch Seal Metal Sealant 2084	Optional - 3M Polyurethane Adhesive Sealant 540	Optional - Rock River Silicone Sealant	Optional - Red Devil HVAC/R High Temperature Silicone Sealant	Optional - Epoxy - 3M DP 125 Gray Sealant
194°							
250°							
500°							
1100°							

## Additional Notes

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

Galvanized steel provides little or no breakdown of zinc (zinc melting point 740°F)

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
3M Polyurethane Sealant 540	Polyurethane	ASTM E 162, ASTM E 662, Bombardier SP 800-C
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

www.ductingsystems.com - 866-455-2130

REGISTERED  
**ISO**  
9001:2008  
14001:2004

05/04/15