

Elbow

Ordering Information

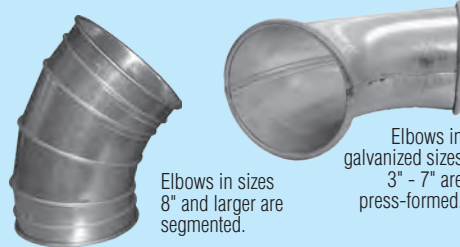
- When ordering, specify material, gauge (if non-standard), dimension and end types, degree (30°, 45°, 60°, or 90°).
- Elbows in heavier gauges can be supplied in solid welded construction at an additional cost.
- Other CLR's available upon request.

16 Gauge Elbows:

- 16ga Elbows are constructed of gores lapped over one another and spot welded.
- This is a directional elbow supplied with an arrow to indicate the direction of flow. Please specify direction if ordering ends other than QF.
- Interior buffing available with upcharge.
- Galvanized is 16 gauge with 16 gauge collars. SS is 16ga with 20ga collars.

14 Gauge Galvanized Elbows:

- Constructed of butt-welded gores.
- Interior buffing available with upcharge.
- If flanged, vanstone ends with rotational Angle Flanges standard. Welded flanges will be clocked at the centerline as standard.

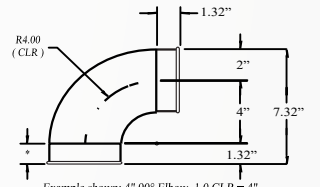


Elbows in sizes 8" and larger are segmented.
Elbows in galvanized sizes 3" - 7" are press-formed.

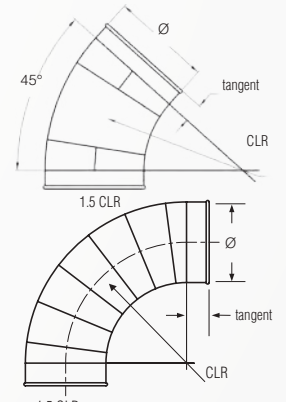


Degrees	30°	45°	60°	90°
Diameters CLR's	3" - 7"	1.0**	8" and larger	1.5

Notes: * 1.0 Galv and 1.5 SS



Example shown: 4" 90° Elbow 1.0 CLR=4"
Note: Overall height calculation only works with 90° elbows.



Notes: CLR= Center Line radius

Ø in.	QF Std Weight Lbs	QF 16ga Weight Lbs	QF 14ga Weight Lbs	AFL Std Weight Lbs	AFL 14ga Weight Lbs
3	0.90			1.75	
4	1.00			2.25	
5	1.20			2.80	
6	1.50			3.85	
7	2.20	9.42		4.90	
8	6.10	13.64	19	7.66	23
9	7.60	16.64	24	8.45	29
10	9.00	21.54	29	15.47	35
11	10.50	27.65	35	17.60	41
12	12.40	33.76	42	19.33	49
13	14.26	40.07	46	22.40	54
14	19.00	46.38	50	25.39	59
15	21.25	52.61	54	27.90	69
16	24.00	58.83	59	30.51	75
17	27.50	66.14	63	32.30	80
18	30.90	73.44	68	34.67	85
20	35.97	85.40	97	41.99	110
22	43.06	107.98	103	46.90	124
24	55.50	132.63	131	70.96	154
26				89.12	178
28				99.19	214
30				110.26	233
32				121.38	274
34				133.52	295
36				149.04	340
38				162.31	363
40				176.20	414

QF Material Options

	Galv			SS			
	Gauges	Size (inches)		Gauges	Size (inches)		
		Min. Ø	Max. Ø		Min. Ø	Max. Ø	
Standard	24	3	7	Standard	3" - 6" See tubed elbows on pg. 16		
	22	8	12		22	7	12
	20	13	24		20	13	24
Optional	16	7	24	Optional	18	8	24
	14	8	24		16	8	24

Flanged Material Options

	Galv			SS			
	Gauges	Size (inches)		Gauges	Size (inches)		
		Min. Ø	Max. Ø		Min. Ø	Max. Ø	
Standard	24	3	7	Standard	3" - 6" See tubed elbows on pg. 16		
	22	8	12		22	7	12
	20	13	24		20	13	24
	18	26	30		18	26	30
	16	32	40		16	32	40
	14	42	50		16	32	40
Optional	12	52	72	Optional	20	8	12
	20	8	12		18	8	24
	18	8	24		16	8	30
	16	8	30		14	8	50
	14	8	50		12	10	72
	12	10	72		10	12	72

Ø in.	Tangents QF		Tangents AFL	
	Galv	SS	Galv	SS
3	2.00	2.00		
4	1.32	2.00		
5	1.32	2.00	2.00	2.00
6	1.32	2.00		
7	1.32	2.25		
8 to 15	2.00	2.00		
16 to 24	2.00	2.00	4.00	4.00
26 to 40				