

6" Inside Radius Flush Weld Elbows

These **Elbows** are precision mandrel bent parts - **without seams**.

1" **Pipe Elbows** have a 6.25" inside radius.

Nominal Pipe Size	OD	Inside Radius (r)	Center Line Radius (R)	Theoretical Center to Center Diam. (C-C)
1"	1.315"	6.25"	6.908"	13.815"
1 1/4"	1.66"	6.00"	6.83"	13.66"
1 1/2"	1.90"	6.00"	6.95"	13.90"
2"	2.375"	6.00"	7.188"	14.375"
3 1/2"	4.00"	6.00"	8.00"	16.00"

STEEL
ALUMINUM 6063
STAINLESS STEEL Type 304

Upon request to rfq@mailwagner.com:

- Stainless Steel Type 316; Brass Alloys C23000 and C27200; and Bronze C38500

Deformity Issues with Stock Bends

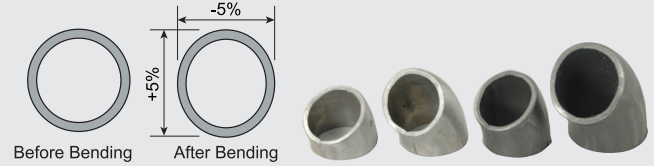
The process of bending **Pipe** and **Tube** results in unavoidable deformation.

In round sections, this causes some ovality in the bent sections of material that may result in a mismatch between the **Elbow** and stock, straight material. The deformation may be as much as +5% in the vertical dimension and -5% in the horizontal dimension.

This may be avoided by ordering **Elbows with Tangents** since the tangent sections will be unaffected by the bending process.



Are You Working With **Pipe** or **Tube**?



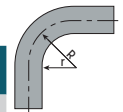
35° Elbow

Pipe Size	OD	Wall Thick.	STEEL	ALUMINUM	304 STAINLESS
1"	1.315"	.133"	7401	7421	7441
1 1/4"	1.66"	.140"	7461	7481	7501
1 1/2"	1.90"	.145"	7521	7541	7561
2"	2.375"	.154"	7581	7601	



90° Elbow with Two 2" Tangents

Pipe Size	OD	Wall Thick.	STEEL	ALUMINUM	304 STAINLESS
1"	1.315"	.133"	7409		7509
1 1/4"	1.66"	.140"	7469	7489	7509
1 1/2"	1.90"	.145"	7529		7569
2"	2.375"	.154"	7589	7609	7629
3 1/2"	4.00"	.226"	90160*		



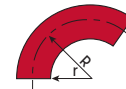
45° Elbow

Pipe Size	OD	Wall Thick.	STEEL	ALUMINUM	304 STAINLESS
1"	1.315"	.133"	7403	7423	7443
1 1/4"	1.66"	.140"	7463	7483	7503
1 1/2"	1.90"	.145"	7523	7543	7563
2"	2.375"	.154"	7583	7603	



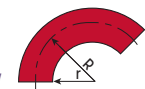
125° Elbow

Pipe Size	OD	Wall Thick.	STEEL
1"	1.315"	.133"	7410
1 1/4"	1.66"	.140"	7470
1 1/2"	1.90"	.145"	7530
2"	2.375"	.154"	7590



135° Elbow

Pipe Size	OD	Wall Thick.	STEEL
1"	1.315"	.133"	7411
1 1/4"	1.66"	.140"	7471
1 1/2"	1.90"	.145"	7531
2"	2.375"	.154"	7591



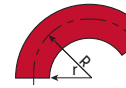
55° Elbow

Pipe Size	OD	Wall Thick.	STEEL	ALUMINUM	304 STAINLESS
1"	1.315"	.133"	7405	7425	7445
1 1/4"	1.66"	.140"	7465	7485	7505
1 1/2"	1.90"	.145"	7525	7545	7565
2"	2.375"	.154"	7585	7605	



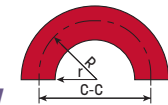
145° Elbow

Pipe Size	OD	Wall Thick.	STEEL
1"	1.315"	.133"	7412
1 1/4"	1.66"	.140"	7472
1 1/2"	1.90"	.145"	7532
2"	2.375"	.154"	7592



180° Elbow

Pipe Size	OD	Wall Thick.	STEEL
1"	1.315"	.133"	7413
1 1/4"	1.66"	.140"	7473
1 1/2"	1.90"	.145"	7533
2"	2.375"	.154"	7593



90° Elbow

Pipe Size	OD	Wall Thick.	STEEL	ALUMINUM	304 STAINLESS
1"	1.315"	.133"	7407	7427	7447
1 1/4"	1.66"	.140"	7467	7487	7507
1 1/2"	1.90"	.145"	7527	7547	7567
2"	2.375"	.154"	7587	7607	



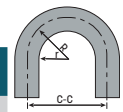
90° Elbow with One 2" Tangent

Pipe Size	OD	Wall Thick.	STEEL	ALUMINUM	304 STAINLESS
1"	1.315"	.133"	7408	7428	7448
1 1/4"	1.66"	.140"	7468	7488	7508
1 1/2"	1.90"	.145"	7528	7548	7568
2"	2.375"	.154"	7588	7608	



180° Elbow with Two 3" Tangents Untrimmed

Pipe Size	OD	Wall Thick.	STEEL	ALUMINUM	304 STAINLESS
1"	1.315"	.133"	7414B	7434B	7454B
1 1/4"	1.66"	.140"	7474B	7494B	7514B
1 1/2"	1.90"	.145"	7534B	7554B	7574B
2"	2.375"	.154"	7594B	7614B	
3 1/2"	4.00"	.226"		91161B*	



Elbows are supplied with a mill finish. They are also available galvanized, zinc plated, anodized or polished to a satin or bright finish.