

2" Inside Radius Flush Weld Elbows

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

Elbows are supplied with a mill finish. They are available galvanized, zinc plated, anodized or polished to a satin or bright finish. All **Elbows** may also be purchased with tangents. Contact **us** with your requirements - rfq@mailwagner.com.

See page 32 for optional **Wedge-Lock™ Connectors**.
See page 38 for typical **Wall Returns**.

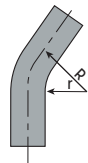
Nominal Pipe Size	OD	Inside Radius (r)	Center Line Radius (R)	Theoretical Center to Center Diam. (C-C)
1"	1.315"	2.00"	2.675"	5.35"
	1.50"	2.00"	2.75"	5.50"
1 1/4"	1.625"	2.00"	2.812"	5.624"
	1.66"	2.00"	2.83"	5.66"
1 1/2"	1.75"	2.00"	2.875"	5.75"
	1.90"	2.00"	2.95"	5.90"
2"	2.00"	2.00"	3.00"	6.00"
	2.375"	2.00"	3.188"	6.375"



35° Elbow

Cut to order. Ship within 48 hours.

Pipe Size	OD	Wall Thick.	STEEL	ALUMINUM	STAINLESS
1"	1.315"	.133"	204*	220	
1"	1.315"	.133"	204-S		252-S
	1.50"	.065"	7900		
	1.50"	.120"	7900.120		
1 1/4"	1.66"	.140"	250*		
1 1/4"	1.66"	.140"	250-S	274	299
1 1/2"	1.90"	.145"	322*		
1 1/2"	1.90"	.145"	322-S	346	371
	2.00"	.120"	7950		
2"	2.375"	.134"	394*	408*	425*†



35° Elbow with Two 2" Tangents

Pipe Size	OD	Wall Thick.	STEEL	ALUMINUM	STAINLESS
	1.50"	.065"			7933
	1.50"	.120"		7917	7933.120
1 1/4"	1.66"	.140"	251-2		
1 1/2"	1.90"	.145"	323-2		
2"	2.00"	.120"	7951	7967	7983



55° Elbow

Cut to order. Ship within 48 hours.

Pipe Size	OD	Wall Thick.	STEEL	ALUMINUM	STAINLESS
1"	1.315"	.133"	210*	226	
1"	1.315"	.133"	210-S		265-S
	1.50"	.065"	7904		
1 1/4"	1.66"	.140"	262*		
1 1/4"	1.66"	.140"	262-S	286	311
1 1/2"	1.90"	.145"	334*		
1 1/2"	1.90"	.145"	334-S	358	383
	2.00"	.120"	7954		
2"	2.375"	.134"	400*	414*	431*†

STEEL
ALUMINUM

3003 **Seamed Elbows**
6061 **Tubing Elbows**
6063 **Pipe Elbows**

Made in
MILWAUKEE

STAINLESS STEEL Type 304

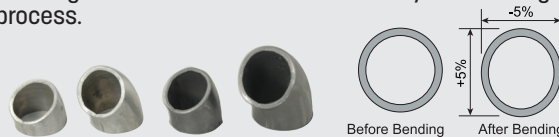
- Stainless Steel Type 316; Brass Alloys C23000 and C27200; and Bronze C38500 are available upon request to rfq@mailwagner.com.

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.

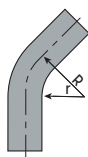
This may be avoided by ordering **Elbows with Tangents** since the tangent sections will be unaffected by the bending process.



45° Elbow

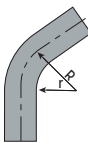
Cut to order. Ship within 48 hours.

Pipe Size	OD	Wall Thick.	STEEL	ALUMINUM	STAINLESS
1"	1.315"	.133"	208*		
1"	1.315"	.133"	208-S	222	259-S
	1.50"	.120"	7902.120		
1 1/4"	1.66"	.140"	256*		
1 1/4"	1.66"	.140"	256-S	280	305
1 1/2"	1.90"	.145"	328*		
1 1/2"	1.90"	.145"	328-S	352	377
	2.00"	.120"	7952		
2"	2.375"	.134"	396*	412-2*	427*†



45° Elbow with Two 2" Tangents

Pipe Size	OD	Wall Thick.	STEEL	ALUMINUM
	1.50"	.120"	7903.120	7919
1 1/4"	1.66"	.140"	257-2	
1 1/2"	1.90"	.145"	329-2	353-2
	2.00"	.120"		7969



55° Elbow with Two 2" Tangents

Pipe Size	OD	Wall Thick.	STEEL	STAINLESS
	1.50"	.065"		7937
1 1/4"	1.66"	.140"	263-2	
1 1/2"	1.90"	.145"	335-2	
	2.00"	.120"	7955	7987

* Denotes an **Elbow** with a seam.
† Denotes Sch. 10.

NUMBERS IN BOLD TYPE are typically in stock. Other items may not be available for immediate shipment or are made-to-order - requiring a minimum quantity and a longer lead time. Visit shopwagner.com for availability.