

1⁵/₈" Inside Radius Flush Weld Elbows

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

1.00" OD **Tubing Elbows** have an inside radius of 1.560".

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**.

See page 41 for issues relating to deformation in bent **Elbows**.



Seamed Elbows



Mandrel Bent Elbows

STEEL
ALUMINUM

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

Made in
MILWAUKEE

STAINLESS STEEL Type 304
Type 316

• Brass Alloys C23000 and C27200; and Bronze C38500 are available upon request to rfq@mailwagner.com.

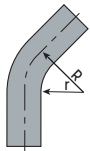
Nominal Pipe Size	OD	Inside Radius (r)	Center Line Radius (R)	Theoretical Center to Center Diam. (C-C)
1.00"	1.00"	1.56"	2.12"	4.24"
3/4"	1.05"	1.625"	2.15"	4.30"
	1.25"	1.625"	2.25"	4.50"
1"	1.315"	1.625"	2.282"	4.565"
	1.50"	1.625"	2.375"	4.75"
1 1/4"	1.66"	1.625"	2.455"	4.90"
1 1/2"	1.90"	1.625"	2.575"	5.15"



35° Elbow *Cut to order. Ship within 48 hours.*

These **Elbows** have no visible seam unless noted.

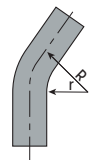
Pipe Size	OD	Wall Thick.	STEEL	ALUMINUM	STAINLESS
3/4"	1.05"	.113"	151-1	160-1	171-1
1"	1.315"	.133"	4501	4515	4529
	1.50"	.120"	6900		
1 1/4"	1.66"	.140"	4431*		
1 1/4"	1.66"	.140"	4431-S	4441	4651
1 1/2"	1.90"	.145"	4461*		
1 1/2"	1.90"	.145"	4461-S	4471	4681



45° Elbow with Two 2" Tangents

These **Elbows** have no visible seam.

Pipe Size	OD	Wall Thick.	STEEL	ALUMINUM	STAINLESS
1.00"	1.00"	.083"	7803		
3/4"	1.05"	.113"	152-2		
1"	1.315"	.133"			4532
	1.50"	.120"			6935
1 1/4"	1.66"	.140"	4721	4726	
1 1/2"	1.90"	.145"	4731		



35° Elbow with Two 2" Tangents

These **Elbows** have no visible seam.

Pipe Size	OD	Wall Thick.	STEEL	ALUMINUM	STAINLESS
	1.25"	.065"			7883T
1"	1.315"	.133"	4502		
	1.50"	.120"	6901		6933
1 1/4"	1.66"	.140"	4720	4725	
1 1/2"	1.90"	.145"	4730		



55° Elbow *Cut to order. Ship within 48 hours.*

These **Elbows** have no visible seam unless noted.

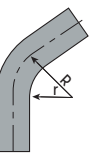
Pipe Size	OD	Wall Thick.	STEEL	ALUMINUM	STAINLESS
1.00"	1.00"	.083"	7804		
3/4"	1.05"	.113"	153-1	163-1	173-1
1"	1.315"	.133"	4505	4519	4533
	1.50"	.120"	6904		
1 1/4"	1.66"	.140"	4433*		
1 1/4"	1.66"	.140"	4433-S	4443	4653
1 1/2"	1.90"	.145"	4463*		
1 1/2"	1.90"	.145"	4463-S	4473	4683



45° Elbow *Cut to order. Ship within 48 hours.*

These **Elbows** have no visible seam unless noted.

Pipe Size	OD	Wall Thick.	STEEL	ALUMINUM	STAINLESS
	1.00"	.083"	7802		
3/4"	1.05"	.113"	152-1	162-1	172-1
1"	1.315"	.133"	4503	4517	4531
	1.50"	.120"	6902		
1 1/4"	1.66"	.140"	4432*		
1 1/4"	1.66"	.145"	4432-S	4442	4652
1 1/2"	1.90"	.140"	4462*		
1 1/2"	1.90"	.145"	4462-S	4472	4682



55° Elbow with Two 2" Tangents

These **Elbows** have no visible seam.

Pipe Size	OD	Wall Thick.	STEEL	ALUMINUM	STAINLESS
1"	1.315"	.133"	4506		
	1.50"	.120"			6937
1 1/4"	1.66"	.140"	4722		
1 1/2"	1.90"	.145"	4732	4737	

* Denotes an **Elbow** with a seam.

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.