



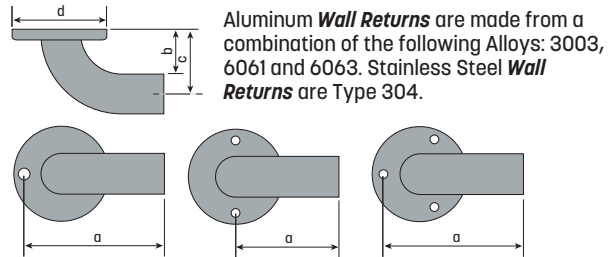
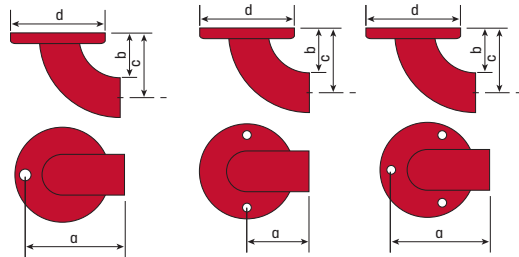
Flush Weld Wall Returns

The following options are available on special order - contact rfq@mailwagner.com:

- Polished, galvanized or anodized finishes.
- **Returns** for 1.25" and 2.00" OD **Tubing**.
- Variations in the center-line projections.



Wall Returns for 1.50" **Tubing** are designed to meet the 1991 ADA guidelines requiring a 1 1/2" clearance between the wall and **Handrail**. Newer ICC, NFPA, ANSI and the 2010 **ADASAD** now note this as a **minimum** clearance. Confirm your local requirements before specifying any **Wagner** product. Refer to page 222 for code and accessibility information.



Flush Weld Wall Return with One 3/8" Hole

Pipe Size	OD	Wall Thick.	a	b	c	d	STEEL
1.50"	1.50"	.120"	3.81"	1.50"	2.25"	3.50"	1150-1
1 1/4"	1.66"	.140"	3.88"	1.67"	2.50"	3.50"	1100-1
1 1/4"	1.66"	.140"	4.44"	2.17"	3.00"	3.50"	1103-1
1 1/4"	1.66"	.140"	4.44"	2.42"	3.25"	3.50"	1160-1
1 1/2"	1.90"	.145"	3.75"	1.55"	2.50"	3.50"	1130-1
1 1/2"	1.90"	.145"	4.44"	2.05"	3.00"	3.50"	1133-1
1 1/2"	1.90"	.145"	4.44"	2.30"	3.25"	3.50"	1164-1

Wall Return with One 3/8" Hole and 2" Tangent*

Pipe Size	OD	Wall Thick.	a	b	c	d	ALUMINUM	304 SATIN STAINLESS	STEEL
1.50"	1.50"	.120"	4.91"	1.50"	2.25"	3.50"	1151-1	1152-1	
1 1/4"	1.66"	.140"	6.00"	1.67"	2.50"	3.50"	1109-1	1115-1	1105-1
1 1/4"	1.66"	.140"	6.38"	2.17"	3.00"	3.50"	1112-1	1118-1	
1 1/4"	1.66"	.140"	6.38"	2.42"	3.25"	3.50"	1161-1	1162-1	1163-1
1 1/2"	1.90"	.145"	6.00"	1.55"	2.50"	3.50"	1139-1	1145-1	
1 1/2"	1.90"	.145"	6.50"	2.05"	3.00"	3.50"	1142-1	1148-1	
1 1/2"	1.90"	.145"	6.50"	2.30"	3.25"	3.50"	1165-1	1166-1	

* Refer to page 77 for **Wall Returns** with 18" Tangents

Flush Weld Wall Return with Two 5/16" Holes

Pipe Size	OD	Wall Thick.	a	b	c	d	STEEL
1.50"	1.50"	.120"	2.25"	1.50"	2.25"	3.88"	1150-2
1 1/4"	1.66"	.140"	2.44"	1.67"	2.50"	3.88"	1100-2
1 1/4"	1.66"	.140"	2.88"	2.17"	3.00"	3.88"	1103-2
1 1/4"	1.66"	.140"	2.88"	2.42"	3.25"	3.88"	1160-2
1 1/2"	1.90"	.145"	2.25"	1.55"	2.50"	4.44"	1130-2
1 1/2"	1.90"	.145"	2.94"	2.05"	3.00"	4.44"	1133-2
1 1/2"	1.90"	.145"	2.94"	2.30"	3.25"	4.44"	1164-2

Wall Return with Two 5/16" Holes and 2" Tangent

Pipe Size	OD	Wall Thick.	a	b	c	d	ALUMINUM	304 SATIN STAINLESS
1.50"	1.50"	.120"	4.35"	1.50"	2.25"	3.88"	1151-2	1152-2
1 1/4"	1.66"	.140"	4.44"	1.67"	2.50"	3.88"	1109-2	1115-2
1 1/4"	1.66"	.140"	4.81"	2.17"	3.00"	3.88"	1112-2	1118-2
1 1/4"	1.66"	.140"	4.81"	2.42"	3.25"	3.88"	1161-2	1162-2
1 1/2"	1.90"	.145"	4.56"	1.55"	2.50"	4.44"	1139-2	1145-2
1 1/2"	1.90"	.145"	4.94"	2.05"	3.00"	4.44"	1142-2	1148-2
1 1/2"	1.90"	.145"	4.94"	2.30"	3.25"	4.44"	1165-2	1166-2

Flush Weld Wall Return with Three 5/16" Holes

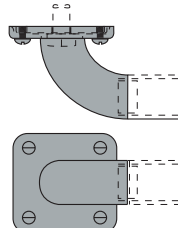
Pipe Size	OD	Wall Thick.	a	b	c	d	STEEL
1.50"	1.50"	.120"	3.75"	1.50"	2.25"	3.88"	1150-3
1 1/4"	1.66"	.140"	3.94"	1.67"	2.50"	3.88"	1100-3
1 1/4"	1.66"	.140"	4.38"	2.17"	3.00"	3.88"	1103-3
1 1/4"	1.66"	.140"	4.38"	2.42"	3.25"	3.88"	1160-3
1 1/2"	1.90"	.145"	4.00"	1.55"	2.50"	4.44"	1130-3
1 1/2"	1.90"	.145"	4.69"	2.05"	3.00"	4.44"	1133-3
1 1/2"	1.90"	.145"	4.38"	2.30"	3.25"	4.44"	1164-3

Wall Return with Three 5/16" Holes and 2" Tangent

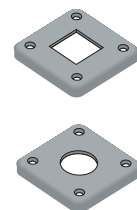
Pipe Size	OD	Wall Thick.	a	b	c	d	ALUMINUM	304 SATIN STAINLESS
1.50"	1.50"	.120"	5.85"	1.50"	2.25"	3.88"	1151-3	1152-3
1 1/4"	1.66"	.140"	5.94"	1.67"	2.50"	3.88"	1109-3	1115-3
1 1/4"	1.66"	.140"	6.38"	2.17"	3.00"	3.88"	1112-3	1118-3
1 1/4"	1.66"	.140"	6.38"	2.42"	3.25"	3.88"	1161-3	
1 1/2"	1.90"	.145"	6.69"	1.55"	2.50"	4.50"	1139-3	1145-3
1 1/2"	1.90"	.145"	6.75"	2.05"	3.00"	4.50"	1142-3	1148-3
1 1/2"	1.90"	.145"	6.75"	2.30"	3.25"	4.50"	1165-3	1166-3

Square Flange Returns

Refer to page 64 for **Square Flush Base Flanges** which may be used to assemble **Wall Returns** for square or round **Handrail** sections.



Returns with Square Flush Base Flanges and Elbows



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 shop.wagnercompanies.com for availability.