

The promise of precision, every time.



www.mac-weld.com

Revised (05/06/2025)

Flush Rings

Mac-Weld flush rings perform even under the most demanding conditions

Our flush ring design is made to accept all flanged pressure transmitters on one side and a standard ANSI flange on the other side in all sizes.

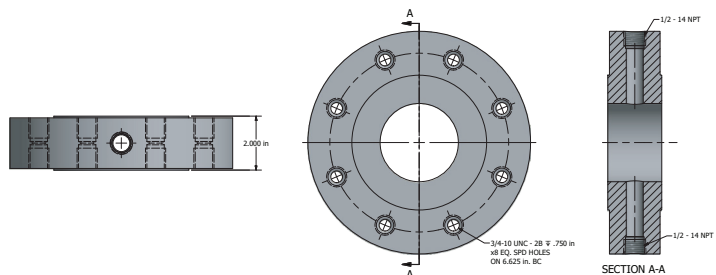
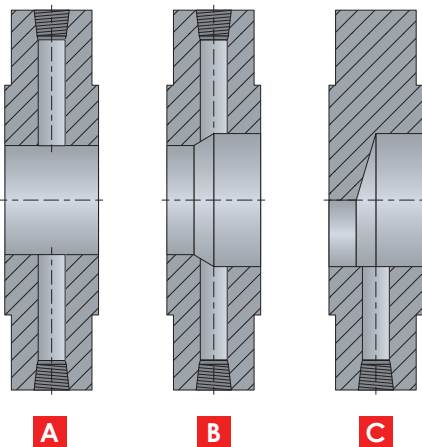
The Mac-Weld flanged flush ring allows the top and bottom outlets to have flanges welded in place. These flush rings allow you to have two different ANSI flange sizes or ratings on opposite sides of the ring. Being approximately 2" thick, it also allows you to tap the top and bottom. Mac-Weld flush rings are manufactured to accept standard level transmitters or can be customized for your particular application. All flush rings are quality checked and tested to code, prior to being shipped.

Specifications:

- Allows for transmitter calibration, venting and purging
- The seal and process size transition design reduces installation and maintenance costs
- Our engineered and manufactured-in-house design can be adapted and modified for your specific application
- Eliminates the need for a reducing spool
- Valve options available upon request
- Manufactured in accordance with ASME, ASTM and ANSI standards
- Available in carbon steel and stainless steel. Also available in most alloy materials.
- CRN approved

Bore Style:

- A.** Concentric
- B.** Reducing Concentric
- C.** Eccentric



FRM	20	A	20	L2	01	C	2	0.50	TT	DT
1	2	3	4	5	6	7	8	9	10	11

1	Style
Code	Description
FRM	Flush Ring

2	Line Size Side #1
Code	Size
07	3/4"
10	1"
15	1-1/2"
20	2"
25	2-1/2"
30	3"
40	4"
60	6"

3	A
Code	Description
A	ANSI

4	Line Size Side #2
Code	Size
07	3/4"
10	1"
15	1-1/2"
20	2"
25	2-1/2"
30	3"
40	4"
60	6"

5	Material
Code	Grade
C1	Aluminum 6061
D4	Carbon Steel A516Gr70
D8	Carbon Steel A516Gr70N
E1	Carbon Steel ASTM A105
E2	LF2
F1	Chrome-Moly-F11
F2	Duplex F51/2205
F6	Chrome-Moly-F5
F7	Chrome-Moly-F9
F8	Chrome-Moly-F91
G1	Chrome-M-Moly F22
H2	304/304L
H3	304H
J3	317L
K1	310
K2	310H
L2	316/316L
L3	316H
M1	321
M2	321H
M3	RA330
N1	347
N2	347H
N3	410
N4	446
N5	HR160
P1	Alloy 600
P2	Alloy 625
P3	Alloy 601
Q1	Alloy 825
Q2	Alloy 800
Q3	Alloy 800H/HP
R1	Alloy 400
R2	Alloy K500
S1	Alloy 200
S2	Alloy 20
S3	904L
S4	AL-6XN
T1	Ti Gr2
T2	Ti Gr5
T3	Ti Gr7
U1	Alloy C-276
U2	Alloy B2
U3	Alloy B3
U4	Alloy C-22
U5	Alloy X
W1	Teflon

6	Rating
Code	Size
01	150
03	300
06	600
09	900
15	1500
25	2500

7	Bore Location
Code	Style
C	Concentric
E	Eccentric

8	Number of Ports
Code	#
0	0
1	1
2	2
3	3
4	4

9	Port Size
Code	Size
0.25	1/4"
0.50	1/2"
0.75	3/4"
1.00	1"

10	Port Style
Code	Size
TT	Threaded
SW	Socket Weld
WN	Weld Neck

11	Options
Code	Description
DT	Drill thru bolt holes
RTJ	RTJ Facing
TH	Threaded Bolt Holes

*If using the SP in the Schedule (section #3) the ID dimension needs to be provided.



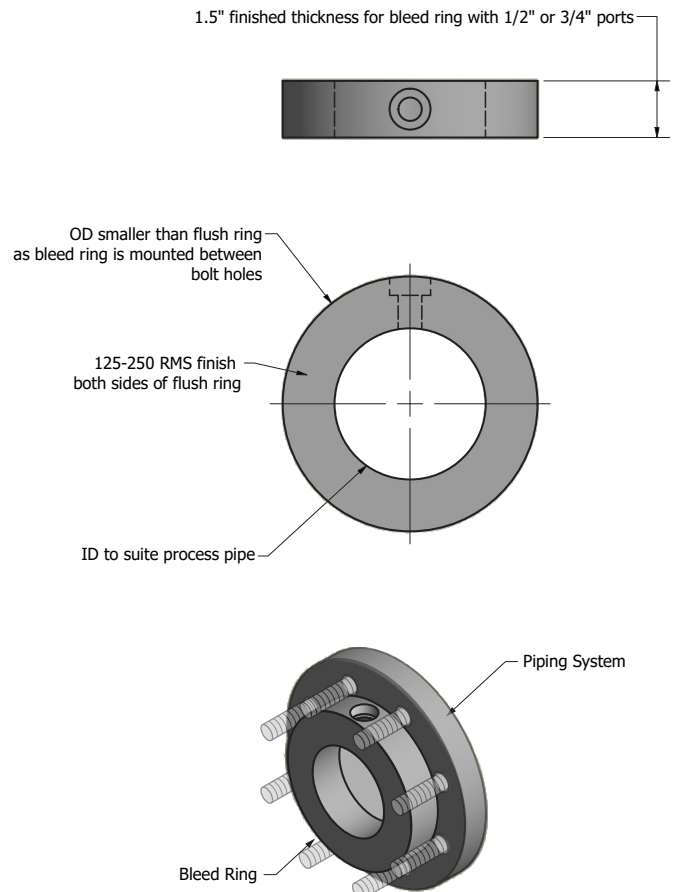
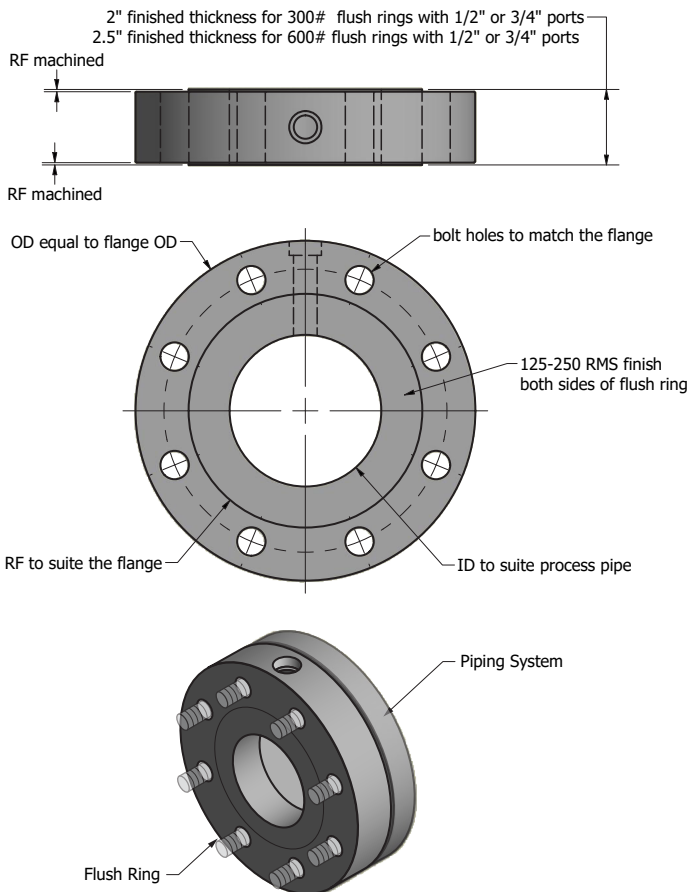
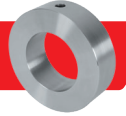
FLUSH/BLEED RING COMPARISON

Flush Ring



OR

Bleed Ring



Notes:

- Material requirements are greater for flush ring as compared with bleed ring. OD of a flush ring and thickness are significantly greater than those of bleed ring.
- Raw materials sourced for production are significantly more expensive for flush rings due to greater OD and greater thickness
- Flush Rings require significantly greater manufacturing time, as compared to a simple bleed ring.