



Special one or two piece ring and orifice plate assembly

Groove Detail

Nom. Pipe Size	O (Outside Diameter)	R (Raised Face)	X (Hub Dia.)	H (Bevel Hub Dia.)	C	TT (Dia. of pressure connection)	Y (Overall Length)	B2 (Inside Dia.)	Groove #	Groove Pitch Dia. P	Groove Depth E	Groove Width F	Radius At Bottom r	Special Oval W	# of Holes	Dia. of Holes	Dia. of Bolts	Bolt Circle Dia.
1"	5.88	2.00	2.06	1.32	1.50	0.25	3.25	This dimension is determined by the pipe schedule and its corresponding inside diameter.	R16	2.000	0.250	0.344	0.03	1.00	4	1.00	.875	4.00
1-1/2"	7.00	2.88	2.75	1.90	1.50	0.25	3.50		R20	2.688	0.250	0.344	0.03	1.00	4	1.12	1.000	4.88
2"	8.50	3.62	4.12	2.38	1.50	0.25	4.00		R24	3.750	0.312	0.469	0.03	1.06	8	1.00	.875	6.50
2-1/2"	9.62	4.12	4.88	2.88	1.62	0.25	4.12		R27	4.250	0.312	0.469	0.03	1.06	8	1.12	1.000	7.50
3"	10.50	5.00	5.25	3.50	1.88	0.375	4.62		R35	5.375	0.312	0.469	0.03	1.06	8	1.25	1.125	8.00
4"	12.25	6.19	6.38	4.50	2.12	0.50	4.88		R39	6.375	0.312	0.469	0.03	1.06	8	1.38	1.250	9.50
6"	15.50	8.50	9.00	6.63	3.25	0.50	6.75		R46	8.312	0.375	0.531	0.06	1.12	12	1.50	1.375	12.50
8"	19.00	10.62	11.50	8.63	3.62	0.50	8.38								12	1.75	1.625	15.50
10"	23.00	12.75	14.50	10.75	4.25	0.50	10.00								12	2.00	1.875	19.00
12"	26.50	15.00	17.75	12.75	4.88	0.50	11.12								16	2.12	2.000	22.50
14"	29.50	16.25	19.50	14.00	5.25	0.50	11.75								16	2.38	2.250	25.00
16"	32.50	18.50	21.75	16.00	5.75	0.50	12.25								16	2.60	2.500	27.80
18"	36.00	21.00	23.50	18.00	6.38	0.50	12.88								16	2.88	2.750	30.50
20"	38.75	23.00	25.25	20.00	7.00	0.50	14.00								16	3.12	3.000	32.75
24"	46.00	27.25	30.00	24.00	8.00	0.50	16.00								16	3.62	3.500	39.00

- The C and Y dimensions do not include the 1/4" raised face.
- Tolerances are standard as per ANSI B 16.36.
- All shown dimensions are in inches.
- It is most standard to have an NPT of 1/2" in the side of the flange, however, other sizes may be available upon request.

- Spaces left **blank** have no corresponding values as per ASME code. Usually this denotes a recommendation not to use this style at the corresponding size.
- Other nominal pipe sizes may be available per request.