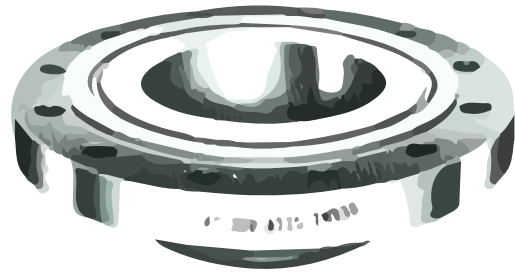


# Dimensions of Ring—Joint Facings

## TOLERANCES

E(depth)	+0.016 -0
F(width)	±0.008
P[pitch diam]	±0.005
R(radius at bottom)	max
23° (angle)	±1/2°

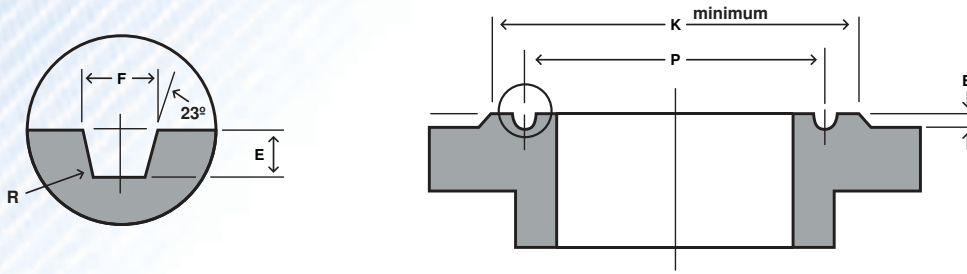


Nominal Pipe Size							Groove Dimensions					Diameter of Raised Portion K						
150 PSI	300 PSI	400 PSI	600 PSI	900 PSI	1500 PSI	2500 PSI	Groove #	Pitch Dia	Depth	Width	Radius at Bottom	150 PSI	300 PSI 400 PSI 600 PSI	900 PSI	1500 PSI	2500 PSI	Depth	
								P	E	F	R						E	
.....	1/2	.....	1/2	.....	.....	.....	R11	1-11/32	7/32	9/32	1/32	.....	2	.....	.....	.....	7/32	
.....	.....	.....	.....	.....	1/2	.....	12	1-9/16	1/4	11/32	1/32	.....	.....	2-3/8	2-3/8	.....	1/4	
.....	3/4	.....	3/4	.....	.....	1/2	13	1-11/16	1/4	11/32	1/32	.....	2-1/2	.....	.....	2-9/16	1/4	
.....	.....	.....	.....	.....	3/4	.....	14	1-3/4	1/4	11/32	1/32	.....	.....	2-5/8	2-5/8	.....	1/4	
1	.....	.....	.....	.....	.....	.....	15	1-7/8	1/4	11/32	1/32	2-1/2	.....	.....	.....	.....	1/4	
.....	1	.....	1	.....	1	3/4	16	2	1/4	11/32	1/32	.....	2-3/4	2-13/16	2-13/16	2-7/8	1/4	
1-1/4	.....	.....	.....	.....	.....	.....	17	2-1/4	1/4	11/32	1/32	2-7/8	.....	.....	.....	.....	1/4	
.....	1-1/4	.....	1-1/4	.....	1-1/4	1	18	2-3/8	1/4	11/32	1/32	.....	3-1/8	3-3/16	3-3/16	3-1/4	1/4	
1-1/2	.....	.....	.....	.....	.....	.....	19	2-9/16	1/4	11/32	1/32	3-1/4	.....	.....	.....	.....	1/4	
.....	1-1/2	.....	1-1/2	.....	1-1/2	.....	20	2-11/16	1/4	11/32	1/32	.....	3-9/16	3-5/8	3-5/8	.....	1/4	
.....	.....	.....	.....	.....	1-1/4	.....	21	2-27/32	5/16	15/32	1/32	.....	.....	.....	.....	4	5/16	
2	.....	.....	.....	.....	.....	.....	22	3-1/4	1/4	11/32	1/32	4	.....	.....	.....	.....	1/4	
.....	2	.....	2	.....	.....	1-1/2	23	3-1/4	5/16	15/32	1/32	.....	4-1/4	.....	.....	4-1/2	5/16	
.....	.....	.....	.....	.....	2	.....	24	3-3/4	5/16	15/32	1/32	.....	.....	4-7/8	4-7/8	.....	5/16	
2-1/2	.....	.....	.....	.....	.....	.....	25	4	1/4	11/32	1/32	4-3/4	.....	.....	.....	.....	1/4	
.....	2-1/2	.....	2-1/2	.....	.....	2	26	4	5/16	15/32	1/32	.....	5	.....	.....	.....	5-1/4	5/16
.....	.....	.....	.....	.....	2-1/2	.....	27	4-1/4	5/16	15/32	1/32	.....	.....	.....	5-3/8	.....	5/16	
.....	.....	.....	.....	.....	2-1/2	.....	28	4-3/8	3/8	17/32	1/16	.....	.....	.....	.....	5-7/8	3/8	
3	.....	.....	.....	.....	.....	.....	29	4-1/2	1/4	11/32	1/32	5-1/4	.....	.....	.....	.....	1/4	
.....	.....	.....	.....	.....	.....	.....	30	4-5/8	5/16	15/32	1/32	.....	.....	.....	.....	.....	5/16	
.....	3	.....	3	3	.....	.....	31	4-7/8	5/16	15/32	1/32	.....	5-3/4	6-1/8	.....	.....	5/16	
.....	.....	.....	.....	.....	3	.....	32	5	3/8	17/32	1/16	.....	.....	.....	.....	6-5/8	3/8	
3-1/2	.....	.....	.....	.....	.....	.....	33	5-3/16	1/4	11/32	1/32	6-1/16	.....	.....	.....	.....	1/4	
.....	3-1/2	.....	3-1/2	.....	.....	.....	34	5-3/16	5/16	15/32	1/32	.....	6-1/4	.....	.....	.....	5/16	
.....	.....	.....	.....	.....	3	.....	35	5-3/8	5/16	15/32	1/32	.....	.....	.....	6-5/8	.....	5/16	
4	.....	.....	.....	.....	.....	.....	36	5-7/8	1/4	11/32	1/32	6-3/4	.....	.....	.....	.....	1/4	
.....	4	4	4	4	.....	.....	37	5-7/8	5/16	15/32	1/32	.....	6-7/8	7-1/8	.....	.....	5/16	
.....	.....	.....	.....	.....	.....	4	38	6-3/16	7/16	21/32	1/16	.....	.....	.....	.....	8	7/16	
.....	.....	.....	.....	.....	4	.....	39	6-3/8	5/16	15/32	1/32	.....	.....	.....	7-5/8	.....	5/16	
5	.....	.....	.....	.....	.....	.....	40	6-3/4	1/4	11/32	1/32	7-5/8	.....	.....	.....	.....	1/4	
.....	5	5	5	5	.....	.....	41	7-1/8	5/16	15/32	1/32	.....	8-1/4	8-1/2	.....	.....	5/16	
.....	.....	.....	.....	.....	.....	5	42	7-1/2	1/2	25/32	1/16	.....	.....	.....	.....	9-1/2	1/2	
6	.....	.....	.....	.....	.....	.....	43	7-5/8	1/4	11/32	1/32	8-5/8	.....	.....	.....	.....	1/4	
.....	.....	.....	.....	.....	5	.....	44	7-5/8	5/16	15/32	1/32	.....	.....	.....	9	.....	5/16	
.....	6	6	6	6	.....	.....	45	8-5/16	5/16	15/32	1/32	.....	9-1/2	9-1/2	.....	.....	5/16	

DIMENSIONS ARE IN INCHES / RAISED FACE HEIGHT MATCHES DEPTH OF GROOVE



# Dimensions of Ring—Joint Facings



Nominal Pipe Size							Groove Dimensions					Diameter of Raised Portion K					
150 PSI	300 PSI	400 PSI	600 PSI	900 PSI	1500 PSI	2500 PSI	Groove #	Pitch Dia P	Depth E	Width F	Radius at Bottom R	150 PSI	300 400 600 PSI	900 PSI	1500 PSI	2500 PSI	Depth E
.....	.....	.....	.....	.....	6	.....	R46	8-5/16	3/8	17/32	1/16	.....	.....	.....	9-3/4	.....	3/8
.....	.....	.....	.....	.....	6	.....	47	9	1/2	25/32	1/16	.....	.....	.....	.....	11	1/2
8	.....	.....	.....	.....	.....	.....	48	9-3/4	1/4	11/32	1/32	10-3/4	.....	.....	.....	.....	1/4
.....	8	8	8	8	.....	.....	49	10-5/8	5/16	15/32	1/32	.....	11-7/8	12-1/8	.....	.....	5/16
.....	.....	.....	.....	.....	8	.....	50	10-5/8	7/16	21/32	1/16	.....	.....	.....	12-1/2	.....	7/16
.....	.....	.....	.....	.....	8	.....	51	11	9/16	29/32	1/16	.....	.....	.....	.....	13-3/8	9/16
10	.....	.....	.....	.....	.....	.....	52	12	1/4	11/32	1/32	13	.....	.....	.....	.....	1/4
.....	10	10	10	10	.....	.....	53	12-3/4	5/16	15/32	1/32	.....	14	14-1/4	.....	.....	5/16
.....	.....	.....	.....	.....	10	.....	54	12-3/4	7/16	21/32	1/16	.....	.....	.....	14-5/8	.....	7/16
.....	.....	.....	.....	.....	10	.....	55	13-1/2	11/16	1-3/16	3/32	.....	.....	.....	.....	16-3/4	11/16
12	.....	.....	.....	.....	.....	.....	56	15	1/4	11/32	1/32	16	.....	.....	.....	.....	1/4
.....	12	12	12	12	.....	.....	57	15	5/16	15/32	1/32	.....	16-1/4	16-1/2	.....	.....	5/16
.....	.....	.....	.....	.....	12	.....	58	15	9/16	29/32	1/16	.....	.....	.....	17-1/4	.....	9/16
14	.....	.....	.....	.....	.....	.....	59	15-5/8	1/4	11/32	1/32	16-3/4	.....	.....	.....	.....	1/4
.....	.....	.....	.....	.....	12	.....	60	16	11/16	1-5/16	3/32	.....	.....	.....	.....	19-1/2	11/16
.....	14	14	14	.....	.....	.....	61	16-1/2	5/16	15/32	1/32	.....	18	.....	.....	.....	5/16
.....	.....	.....	.....	.....	14	.....	62	16-1/2	7/16	21/32	1/16	.....	.....	18-3/8	.....	.....	7/16
.....	.....	.....	.....	.....	14	.....	63	16-1/2	5/8	1-1/16	3/32	.....	.....	.....	19-1/4	.....	5/8
16	.....	.....	.....	.....	.....	.....	64	17-7/8	1/4	11/32	1/32	19	.....	.....	.....	.....	1/4
.....	16	16	16	.....	.....	.....	65	18-1/2	5/16	15/32	1/32	.....	20	.....	.....	.....	5/16
.....	.....	.....	.....	.....	16	.....	66	18-1/2	7/16	21/32	1/16	.....	.....	20-5/8	.....	.....	7/16
.....	.....	.....	.....	.....	16	.....	67	18-1/2	11/16	1-3/16	3/32	.....	.....	.....	21-1/2	.....	11/16
18	.....	.....	.....	.....	.....	.....	68	20-3/8	1/4	11/32	1/32	21-1/2	.....	.....	.....	.....	1/4
.....	18	18	18	.....	.....	.....	69	21	5/16	15/32	1/32	.....	22-5/8	.....	.....	.....	5/16
.....	.....	.....	.....	.....	18	.....	70	21	1/2	25/32	1/16	.....	.....	23-3/8	.....	.....	1/2
.....	.....	.....	.....	.....	18	.....	71	21	11/16	1-3/16	3/32	.....	.....	.....	24-1/8	.....	11/16
20	.....	.....	.....	.....	.....	.....	72	22	1/4	11/32	1/32	23-1/2	.....	.....	.....	.....	1/4
.....	20	20	20	.....	.....	.....	73	23	3/8	17/32	1/16	.....	25	.....	.....	.....	3/8
.....	.....	.....	.....	.....	20	.....	74	23	1/2	25/32	1/16	.....	.....	25-1/2	.....	.....	1/2
.....	.....	.....	.....	.....	20	.....	75	23	11/16	1-5/16	3/32	.....	.....	—	26-1/2	.....	11/16
24	.....	.....	.....	.....	.....	.....	76	26-1/2	1/4	11/32	1/32	28	.....	.....	.....	.....	1/4
.....	24	24	24	.....	.....	.....	77	27-1/4	7/16	21/32	1/16	.....	.....	29-1/2	.....	.....	7/16
.....	.....	.....	.....	.....	24	.....	78	27-1/4	5/8	1-1/16	3/32	.....	.....	30-3/8	.....	.....	5/8
.....	.....	.....	.....	.....	24	.....	79	27-1/4	13/16	17/16	3/32	.....	.....	.....	31-1/4	.....	13/16

DIMENSIONS ARE IN INCHES / RAISED FACE HEIGHT MATCHES DEPTH OF GROOVE

