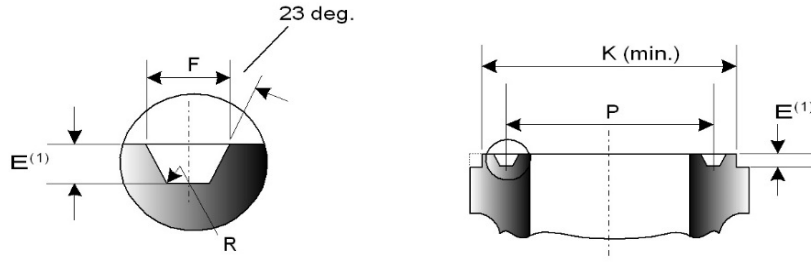


Dimensions of Ring Joint Facings to ASME B16.5



Groove Number	Nominal Pipe Size NPS / Diameter of Raised Portion, K						Groove Dimensions							
	Class 150		Classes 300/400/600		Class 900 ⁽²⁾		Class 1500		Class 2500		Pitch Diameter P	Groove Depth E ⁽¹⁾	Groove Width F	Radius at Bottom R
R11	...	...	1/2	2.00	...	...	...	...	...	...	1.344	0.219	0.281	0.03
R12	...	...	...	...	...	...	1/2	2.38	...	...	1.562	0.250	0.344	0.03
R13	...	...	3/4	2.50	...	...	...	...	1/2	2.56	1.688	0.250	0.344	0.03
R14	...	...	...	...	...	...	3/4	2.62	...	...	1.750	0.250	0.344	0.03
R15	1	2.50	...	...	...	...	...	...	...	...	1.875	0.250	0.344	0.03
R16	...	...	1	2.75	...	...	1	2.81	3/4	2.88	2.000	0.250	0.344	0.03
R17	1 1/4	2.88	...	...	...	...	...	...	...	...	2.250	0.250	0.344	0.03
R18	...	...	1 1/4	3.12	...	...	1 1/4	3.19	1	3.25	2.375	0.250	0.344	0.03
R19	1 1/2	3.25	...	...	...	...	...	...	...	...	2.562	0.250	0.344	0.03
R20	...	...	1 1/2	3.56	...	...	1 1/2	3.62	...	...	2.688	0.250	0.344	0.03
R21	...	...	...	...	...	...	...	...	1 1/4	4.00	2.844	0.312	0.469	0.03
R22	2	4.00	...	...	...	...	...	...	...	...	3.250	0.250	0.344	0.03
R23	...	...	2	4.25	...	...	...	...	1 1/2	4.50	3.250	0.312	0.469	0.03
R24	...	...	...	...	...	...	2	4.88	...	...	3.750	0.312	0.469	0.03
R25	2 1/2	4.75	...	...	...	...	...	...	...	...	4.000	0.250	0.344	0.03
R26	...	...	2 1/2	5.00	...	...	...	...	2	5.25	4.000	0.312	0.469	0.03
R27	...	...	...	...	...	...	2 1/2	5.38	...	...	4.250	0.312	0.469	0.03
R28	...	...	...	...	...	...	...	...	2 1/2	5.88	4.375	0.375	0.531	0.06
R29	3	5.25	...	...	...	...	...	...	...	...	4.500	0.250	0.344	0.03
R30	...	...	(3)	...	...	...	...	...	...	...	4.625	0.312	0.469	0.03
R31	...	...	3 ⁽³⁾	5.75	3	6.12	...	...	...	...	4.875	0.312	0.469	0.03
R32	...	...	...	...	...	...	...	...	3	6.62	5.000	0.375	0.531	0.06
R33	3 1/2	6.06	...	...	...	...	...	...	...	...	5.188	0.250	0.344	0.03
R34	...	...	3 1/2	6.25	...	...	...	...	...	...	5.188	0.312	0.469	0.03
R35	...	...	...	...	...	...	3	6.62	...	...	5.375	0.312	0.469	0.03
R36	4	6.75	...	...	...	...	...	...	...	...	5.875	0.250	0.344	0.03
R37	...	...	4	6.88	4	7.12	...	...	...	...	5.875	0.312	0.469	0.03
R38	...	...	...	...	...	...	...	...	4	8.00	6.188	0.438	0.656	0.06
R39	...	...	...	...	...	...	4	7.62	...	...	6.375	0.312	0.469	0.03
R40	5	7.62	...	...	...	...	...	...	...	...	6.750	0.250	0.344	0.03
R41	...	...	5	8.25	5	8.50	...	...	...	...	7.125	0.312	0.469	0.03
R42	...	...	...	...	...	...	...	...	5	9.50	7.500	0.500	0.781	0.06
R43	6	8.62	...	...	...	...	...	...	...	...	7.625	0.250	0.344	0.03
R44	...	...	...	...	...	...	5	9.00	...	...	7.625	0.312	0.469	0.03
R45	...	...	6	9.50	6	9.50	...	...	...	...	8.312	0.312	0.469	0.03

All dimensions are given in inches.

Notes:

(1) Height of raised portion is equal to the Groove Depth, Dimension E, but is not subject to the tolerances for E.

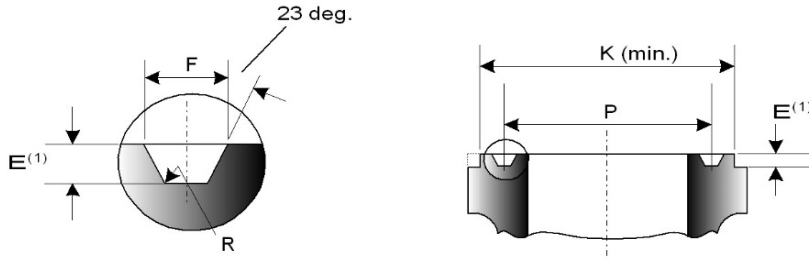
(2) Use Class 1500 dimensions for sizes NPS 1/2 through NPS 21/2 Class 900

(3) Groove Number R30 used for NPS 3 Classes 300 and 600 Lap Joints instead of R31

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Piping Products Ltd.

Dimensions of Ring Joint Facings to ASME B16.5



Groove Number	Nominal Pipe Size NPS/ Diameter of Raised Portion, K					Groove Dimensions							
	Class 150		Classes 300/400/600		Class 900 ⁽²⁾	Class 1500		Class 2500		Pitch Diameter P	Groove Depth E ⁽¹⁾	Groove Width F	Radius at Bottom R
R46	...	...	...	...	...	6	9.75	...	...	8.312	0.375	0.531	0.06
R47	...	...	...	...	...	...	...	6	11.00	9.000	0.500	0.781	0.06
R48	8	10.75	...	...	...	...	...	...	...	9.750	0.250	0.344	0.03
R49	...	...	8	11.88	8	12.12	...	...	...	10.625	0.312	0.469	0.03
R50	...	...	...	...	...	8	12.50	...	...	10.625	0.438	0.656	0.06
R51	...	...	...	...	...	...	...	8	13.38	11.000	0.562	0.906	0.06
R52	10	13.00	...	...	...	...	...	...	...	12.000	0.250	0.344	0.03
R53	...	...	10	14.00	10	14.25	...	...	...	12.750	0.312	0.469	0.03
R54	...	...	...	...	...	10	14.62	...	...	12.750	0.438	0.656	0.06
R55	...	...	...	...	...	...	...	10	16.75	13.500	0.688	1.188	0.09
R56	12	16.00	...	...	...	...	...	...	...	15.000	0.250	0.344	0.03
R57	...	...	12	16.25	12	16.50	...	...	...	15.000	0.312	0.469	0.03
R58	...	...	...	...	...	12	17.25	...	...	15.000	0.562	0.906	0.06
R59	14	16.75	...	...	...	...	...	...	...	15.625	0.250	0.344	0.03
R60	...	...	...	...	...	...	...	12	19.50	16.000	0.688	1.312	0.09
R61	...	...	14	18.00	...	...	...	...	...	16.500	0.312	0.469	0.03
R62	...	...	...	...	14	18.38	...	...	...	16.500	0.438	0.656	0.06
R63	...	...	...	...	...	14	19.25	...	...	16.500	0.625	1.062	0.09
R64	16	19.00	...	...	...	...	...	...	...	17.875	0.250	0.344	0.03
R65	...	...	16	20.00	...	...	...	...	...	18.500	0.312	0.469	0.03
R66	...	...	...	...	16	20.62	...	...	...	18.500	0.438	0.656	0.06
R67	...	...	...	...	...	16	21.50	...	...	18.500	0.688	1.188	0.09
R68	18	21.50	...	...	...	...	...	...	...	20.375	0.250	0.344	0.03
R69	...	...	18	22.62	...	...	...	...	...	21.000	0.312	0.469	0.03
R70	...	...	...	...	18	23.38	...	...	...	21.000	0.500	0.781	0.06
R71	...	...	...	...	...	18	24.12	...	...	21.000	0.688	1.188	0.09
R72	20	23.50	...	...	...	...	...	...	...	22.000	0.250	0.344	0.03
R73	...	...	20	25.00	...	...	...	...	...	23.000	0.375	0.531	0.06
R74	...	...	...	...	20	25.50	...	...	...	23.000	0.500	0.781	0.06
R75	...	...	...	...	...	20	26.50	...	...	23.000	0.688	1.312	0.09
R76	24	28.00	...	...	...	...	...	...	...	26.500	0.250	0.344	0.03
R77	...	...	24	29.50	...	...	...	...	...	27.250	0.438	0.656	0.06
R78	...	...	...	...	24	30.38	...	...	...	27.250	0.625	1.062	0.09
R79	...	...	...	...	...	24	31.25	...	...	27.250	0.812	1.438	0.09

Tolerances:

E (Groove Depth): +0.016, -0.0

F (Groove Width): +/- 0.008

P (Pitch Diameter): +/- 0.005

R (Radius at Bottom): R<= 0.06: +0.03, -0.0; R> 0.06: +/- 0.03

23 deg. angle: +/- 1/2 deg.

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Piping Products Ltd.