

DIMENSION TABLE FOR R (Oval & Octagonal) TYPE RING JOINT GASKETS

Ring No.	PRESSURE CLASS RATINGS							Pitch	Width	Height of Ring		Approx. Distance Between Flanges	Gasket Weights, lbs.	
	ANSI, BS & MSS				API (psi)			Diameter	of Ring	Oval	Octagonal		Oval	Octagonal
	150	300/600	900	1500	2500	2000/3000	5000	of Ring	of Ring	B	H	Rings	Rings	
	Nominal Pipe Size							P	A					
R11	-	½	-	-	-	-	-	1.344	0.250	0.44	0.38	-	.111	.104
R12	-	-	½	½	-	-	-	1.563	0.313	0.56	0.50	-	.216	.200
R13	-	¾	-	-	½	-	-	1.688	0.313	0.56	0.50	-	.234	.216
R14	-	-	¾	¾	-	-	-	1.750	0.313	0.56	0.50	-	.242	.224
R15	1	-	-	-	-	-	-	1.875	0.313	0.56	0.50	-	.260	.240
R16	-	1	1	1	¾	-	-	2.000	0.313	0.56	0.50	-	.278	.256
R17	1¼	-	-	-	-	-	-	2.250	0.313	0.56	0.50	-	.311	.288
R18	-	1¼	1¼	1¼	1	-	-	2.375	0.313	0.56	0.50	-	.328	.304
R19	1 1/2	-	-	-	-	-	-	2.563	0.313	0.56	0.50	-	.354	.328
R20*	-	1 1/2	1 1/2	1 1/2	-	-	-	2.688	0.313	0.56	0.50	0.16	.372	.344
R21	-	-	-	-	1¼	-	-	2.844	0.438	0.69	0.63	-	.660	.643
R22	2	-	-	-	-	-	-	3.250	0.313	0.56	0.50	-	.450	.415
R23*	-	2	-	-	1½	2 1/16**	-	3.250	0.438	0.69	0.63	0.19	.755	.734
R24*	-	-	2	2	-	2 1/16	2	3.750	0.438	0.69	0.63	0.19	.870	.846
R25	2½	-	-	-	-	-	-	4.000	0.313	0.56	0.50	-	.553	.510
R26*	-	2½	-	-	-	2 9/16	-	4.000	0.438	0.69	0.63	0.19	.930	.904
R27*	-	-	2½	2½	-	(2 9/16)	2 9/16	4.250	0.438	0.69	0.63	0.19	1.050	.960
R28	-	-	-	-	2½	-	-	4.375	0.500	0.75	0.69	-	1.255	1.230
R29	3	-	-	-	-	-	-	4.500	0.313	0.56	0.50	-	.622	.575
R30	-	3	-	-	-	-	-	4.625	0.438	0.69	0.63	-	1.075	1.047
R31*	-	3	3	-	-	3 1/8	-	4.875	0.438	0.69	0.63	0.19	1.130	1.100
R32	-	-	-	-	3	-	-	5.000	0.500	0.75	0.69	-	1.435	1.405
R33	3½	-	-	-	-	-	-	5.188	0.313	0.56	0.50	-	.718	.664
R34	-	3½	-	-	-	-	-	5.188	0.438	0.69	0.63	-	1.200	1.170
R35*	-	-	-	3	-	-	3 1/8	5.375	0.438	0.69	0.63	0.19	1.250	1.210
R36	4	-	-	-	-	-	-	5.875	0.313	0.56	0.50	-	.813	.735
R37*	-	4	4	-	-	4 1/16	-	5.875	0.438	0.69	0.63	0.19	1.360	1.330
R38	-	-	-	-	4	-	-	6.188	0.625	0.88	0.81	-	2.56	2.52
R39*	-	-	-	4	-	-	4 1/16	6.375	0.438	0.69	0.63	0.19	1.480	1.440
R40	5	-	-	-	-	-	-	6.750	0.313	0.56	0.50	-	.935	.865
R41*	-	5	5	-	-	-	-	7.125	0.438	0.69	0.63	0.19	1.66	1.61
R42	-	-	-	-	5	-	-	7.500	0.750	1.00	0.94	-	4.21	4.16
R43	-	-	-	-	-	-	-	7.625	0.313	0.56	0.50	-	1.055	.975

Dimensions in Inches

(*) Denotes ring number specified in API 6A.

Nominal Pipe Sizes in brackets apply to class rating 3000 only.

Nominal Pipe Sizes marked (**) apply to class rating 2000 only.

Ring no. R30 is suitable for lapped flanges only.

Ring No.	PRESSURE CLASS RATINGS							Pitch	Height of Ring		Approx. Distance Between	Gasket Weights, lbs.		
	ANSI, BS & MSS					API (psi)		Diameter	Width	Oval		Octagonal	Oval	Octagonal
	150	300/600	900	1500	2500	2000/3000	5000	of Ring	of Ring		B			
	Nominal Pipe Size							P	A					
R44*	-	-	-	5	-	-	-	7.625	0.438	0.69	0.63	0.19	1.77	1.73
R45*	-	6	6	-	-	7 1/16	-	8.313	0.438	0.69	0.63	0.19	1.93	1.88
R46*	-	-	-	6	-	-	7 1/16	8.313	0.500	0.75	0.69	0.13	2.39	2.33
R47*	-	-	-	-	6	-	-	9.000	0.750	1.00	0.94	0.16	5.06	4.99
R48	8	-	-	-	-	-	-	9.750	0.313	0.56	0.50	-	1.350	1.240
R49*	-	8	8	-	-	9	-	10.625	0.438	0.69	0.63	0.19	2.47	2.40
R50*	-	-	-	8	-	-	9	10.625	0.625	0.88	0.81	0.16	4.40	4.32
R51	-	-	-	-	8	-	-	11.000	0.875	1.13	1.06	-	8.05	8.17
R52	10	-	-	-	-	-	-	12.000	0.313	0.56	0.50	-	1.66	1.53
R53*	-	10	10	-	-	11	-	12.750	0.438	0.69	0.63	0.19	3.00	2.88
R54	-	-	-	10	-	-	11	12.750	0.625	0.88	0.81	0.16	5.29	5.18
R55	-	-	-	-	10	-	-	13.500	1.125	1.44	1.38	-	16.23	17.04
R56	12	-	-	-	-	-	-	15.000	0.313	0.56	0.69	-	2.07	1.92
R57*	-	12	12	-	-	13 5/8	-	15.000	0.438	0.69	0.63	0.19	3.48	3.38
R58	-	-	-	12	-	-	-	15.000	0.875	1.13	1.06	-	11.00	11.13
R59	14	-	-	-	-	-	-	15.265	0.313	0.56	0.50	-	2.16	2.00
R60	-	-	-	-	12	-	-	16.000	1.250	1.56	1.50	-	23.10	23.50
R61	-	14	-	-	-	-	-	16.500	0.438	0.69	0.63	-	3.83	3.73
R62	-	-	14	-	-	-	-	16.500	0.625	0.88	0.81	-	6.84	6.71
R63*	-	-	-	14	-	-	-	16.500	1.000	1.31	1.25	0.22	16.20	16.67
R64	16	-	-	-	-	-	-	17.875	0.313	0.56	0.50	-	2.47	2.29
R65*	-	16	-	-	-	16 3/4**	-	18.500	0.438	0.69	0.63	0.19	4.30	4.18
R66*	-	-	16	-	-	(16)	-	18.500	0.625	0.88	0.81	0.16	7.67	7.53
R67	-	-	-	16	-	-	-	18.500	1.125	1.44	1.38	-	22.30	23.40
R68	18	-	-	-	-	-	-	20.375	0.313	0.56	0.50	-	2.82	2.60
R69*	-	18	-	-	-	-	-	21.000	0.438	0.69	0.63	0.19	4.87	4.74
R70*	-	-	18	-	-	(18)	-	21.000	0.750	1.00	0.94	0.19	11.80	11.64
R71	-	-	-	18	-	-	-	21.000	1.125	1.44	1.38	-	25.20	26.50
R72	20	-	-	-	-	-	-	22.000	0.313	0.56	0.50	-	3.04	2.81
R73*	-	20	-	-	-	21 1/4**	-	23.000	0.500	0.75	0.69	0.13	6.60	6.47
R74*	-	-	20	-	-	(20 3/4)	-	23.000	0.750	1.00	0.94	0.19	12.95	12.75
R75	-	-	-	20	-	-	-	23.000	1.250	1.56	1.50	-	33.30	35.30
R76	24	-	-	-	-	-	-	26.500	0.313	0.56	0.50	-	3.66	3.38
R77	-	24	-	-	-	-	-	27.250	0.625	0.88	0.81	-	11.30	11.10
R78	-	-	24	-	-	-	-	27.250	1.000	1.31	1.25	-	27.10	27.58

Dimensions in Inches

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Ring No.	PRESSURE CLASS RATINGS							Pitch	Width		Height of Ring		Approx. Distance Between	Gasket Weights, lbs.	
	ANSI, BS & MSS					API (psi)		Diameter	of Ring	Oval	Octagonal	Flanges		Oval	Octagonal
	150	300/600	900	1500	2500	2000/3000	5000	of Ring	of Ring	B	H		Rings	Rings	
	Nominal Pipe Size							P	A						
R79	-	-	-	24	-	-	-	27.250	1.375	1.75	1.63	0.19	48.7	49.75	
R80	22	-	-	-	-	-	-	24.250	0.313	-	0.50	-	-	3.11	
R81	-	22	-	-	-	-	-	25.000	0.563	-	0.75	-	-	8.55	
R82*	-	-	-	-	-	-	-	2.250	0.438	-	0.63	0.19	-	.508	
R84*	-	-	-	-	-	-	-	2.500	0.438	-	0.63	0.19	-	.564	
R85*	-	-	-	-	-	-	-	3.125	0.500	-	0.69	0.13	-	.978	
R86*	-	-	-	-	-	-	-	3.563	0.625	-	0.81	0.16	-	1.447	
R87*	-	-	-	-	-	-	-	3.938	0.625	-	0.81	0.16	-	1.597	
R88*	-	-	-	-	-	-	-	4.875	0.750	-	0.94	0.19	-	2.735	
R89*	-	-	-	-	-	-	-	4.500	0.750	-	0.94	0.19	-	2.528	
R90*	-	-	-	-	-	-	-	6.125	0.875	-	1.06	0.19	-	4.55	
R91*	-	-	-	-	-	-	-	10.250	1.250	-	1.50	0.19	-	15.05	
R92	-	-	-	-	-	-	-	9.000	0.438	0.69	0.63	0.16	2.07	2.02	
R93	-	26	-	-	-	-	-	29.500	0.750	-	0.94	-	-	16.33	
R94	-	28	-	-	-	-	-	31.500	0.750	-	0.94	-	-	17.44	
R95	-	30	-	-	-	-	-	33.750	0.750	-	0.94	-	-	18.69	
R96	-	32	-	-	-	-	-	36.000	0.875	-	1.06	-	-	26.65	
R97	-	34	-	-	-	-	-	38.000	0.875	-	1.06	-	-	28.13	
R98	-	36	-	-	-	-	-	40.125	0.875	-	1.06	-	-	29.79	
R99*	-	-	-	-	-	-	-	9.250	0.438	-	0.63	0.19	-	2.08	
R100	-	-	26	-	-	-	-	29.500	1.125	-	1.38	-	R100 through R105 information available on request		
R101	-	-	28	-	-	-	-	31.500	1.250	-	1.50	-			
R102	-	-	30	-	-	-	-	33.750	1.250	-	1.50	-			
R103	-	-	32	-	-	-	-	36.000	1.250	-	1.50	-			
R104	-	-	34	-	-	-	-	38.000	1.375	-	1.63	-			
R105	-	-	36	-	-	-	-	40.250	1.375	-	1.63	-			

Dimensions in Inches

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