





# Ring Gasket Type R

**TYPE "R" Ring Gaskets - according to ASME B16.20 / API 6A**  
*ASME B16.20 and API 6A*



NO MINAL PIPE SIZE / NO MINAL PRESSURE												Dimensions in millimetres										
ASME / ANSIB16.5				API 6B				ASME B16.47 Series A				RING NUMBER	OUTSIDE DIA. OF RING OD ±0.38	INSIDE DIA. OF RING ID	PITCH DIAMETER OF RING P ±0.18	HEIGHT OF RING OVAL B +1.27, -0.51	HEIGHT OF RING OCTA. H +1.27, -0.51	WIDTH OF RING A ±0.20	WIDTH OF FLAT OF OCTA. RING C ±0.20	Radius in Oct. Ring R <sub>1</sub> ±0.50	WEIGHT	
150	300 600	900	1500	2500	720 960	2000	3000	10000	150	300 600	900										OVAL Kgs.	OCTA Kgs.
24												R76	681.05	665.15	673.10	14.22	12.70	7.95	5.23	1.5	1.66	1.53
	24											R77	708.03	676.28	692.15	22.35	20.57	15.88	10.49	1.5	5.11	5.01
		24										R78	717.55	666.75	692.15	33.27	31.75	25.40	17.30	2.3	12.10	12.46
			24									R79	727.08	657.23	692.15	44.45	41.40	34.93	24.82	2.3	22.58	22.06
												R80	623.90	608.00	615.95	-	12.70	7.95	5.23	1.5	1.52	1.40
												R81	649.30	620.70	635.00	-	19.05	14.30	9.58	1.5	4.05	3.86
									1			R82	68.28	46.02	57.15	-	16.00	11.13	7.75	1.5	-	0.23
									1½			R84	74.63	52.37	63.50	-	16.00	11.13	7.75	1.5	-	0.25
									2			R85	92.08	66.68	79.38	-	17.53	12.70	8.66	1.5	-	0.40
									2½			R86	106.38	74.63	90.50	-	20.57	15.88	10.49	1.5	-	0.65
									3			R87	115.90	84.15	100.03	-	20.57	15.88	10.49	1.5	-	0.72
									4			R88	142.88	104.78	123.83	-	23.88	19.05	12.32	1.5	-	1.22
									3½			R89	133.35	95.25	114.30	-	23.88	19.05	12.32	1.5	-	1.13
									5			R90	177.80	133.35	155.58	-	26.92	22.23	14.81	1.5	-	2.05
									10			R91	292.10	228.60	260.35	-	38.10	31.75	22.33	2.3	-	7.10
												R92	239.73	217.47	228.60	17.53	16.00	11.13	7.75	1.5	0.94	0.92
										26		R93	768.35	730.25	749.30	-	23.88	19.05	12.32	1.5	0.94	0.92
										28		R94	819.15	781.05	800.10	-	23.88	19.05	12.32	1.5	-	7.40
										30		R95	876.30	838.20	857.25	-	23.88	19.05	12.32	1.5	-	7.90
										32		R96	936.63	892.18	914.40	-	26.92	22.23	14.81	1.5	-	8.47
										34		R97	987.43	942.98	965.20	-	26.92	22.23	14.81	1.5	-	12.08
										36		R98	1,044.58	1,000.13	1,022.35	-	26.92	22.23	14.81	1.5	-	12.75
						8	8					R99	246.08	223.82	234.95	-	16.00	11.13	7.75	1.5	-	13.51
										26		R100	777.88	720.73	749.30	-	35.05	28.58	19.81	2.3	-	0.95
										28		R101	831.85	768.35	800.10	-	38.10	31.75	22.33	2.3	-	16.79
										30		R102	889.00	825.50	857.25	-	38.10	31.75	22.33	2.3	-	21.83
										32		R103	946.15	882.65	914.40	-	38.10	31.75	22.33	2.3	-	23.39
										34		R104	1,000.13	930.28	965.20	-	41.40	34.93	24.82	2.3	-	24.95
										36		R105	1,057.28	987.43	1,022.35	-	41.40	34.93	24.82	2.3	-	31.49

**GENERAL NOTE:** End flanges to API 6D and API 600 use gaskets for equivalent pipe size under ASME/ANSI B16.5 or ASME B16.47 series A.

**NOTE:**

- All dimensions are in mm.
- R30 is suitable for lapped flanges only.
- Class 720, 960 and 10000 flanges to API 6B are obsolete. Data is for information only.
- The 23° surfaces on R and RX gaskets shall have a surface finish no rougher than 1.6 µm Ra (63 µin RMS).
- B, H Variation in height throughout the entire circumference of any ring shall not exceed 0.5 mm within these tolerances.
- Flatness shall be flat within a tolerance of 0.2% of ring outside diameter to a maximum of 0.38mm (0.015 in).

**Note for markings:**

-  = TO BE MARK WITH API 6A AND ASME B16.20
-  = TO BE MARK WITH ASME B16.20 ONLY

