

Ring Gasket Type R

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

NO MINAL PIPES IZE / NO MINAL PRESSURE																				Dir	mensions in millimetre	
ASME/ANSI B16.5						AP	I 6B		ASME B16.47 Series A				OUTSIDE DIA. OF RING	INSIDE DIA OF RING	PITCH DIAMETER OF RING	HEIGHT OF RING OVAL	HEIGHT OF RING OCTA.	WIDTH OF RING	WIDTH OF FLAT OF OCTA. RING	Radius in Oct. Ring	WEIGHT	
150	300_ 600	900	1500	2500	720_ 960	2000	3000	5000	150	300_ 600	900	RING NUMBER	OD ±0.38	ID	P ±0.18	B +1.27,	H +1.27,	A ±0,20	C ±0,20	R ₁	OVAL Kgs.	OCTA Kgs.
	1/2											R11	40.49	27.79	34.14	0.51 11.18	9.65	6.35	4.32	1.5	0.05	0.05
	37	1/2	1/2	1,								R12	47.65	31.75	39.70	14.22	12.70	7.95	5.23	1.5	0.10	0.10
	3/4	3/4	3/4	1/2								R13 R14	50.83 52.40	34.93 36.5	42.88 44.45	14.22	12.70 12.70	7.95 7.95	5.23 5.23	1.5 1.5	0.10 0.11	0.10
1		,										R15	55.58	39.67	47.63	14.22	12.70	7.95	5.23	1.5	0.11	0.11
417	1	1	1	3/4	1	1	1	1				R16	58.75	42.85	50.80	14,22	12,70	7.95	5.23	1.5	0.12	0.11
11/4	11/4	11/4	11/4	1	11/4	11/4	11/4	11/4				R17 R18	65.10 68.28	49.20 52.37	57.15 60.33	14.22 14.22	12.70 12.70	7.95 7.95	5.23 5.23	1.5 1.5	0.14 0.15	0.13
11/2	- / -	.,4	- / -	<u> </u>	- , -	.,4	1,74	- / -				R19	73.05	57.15	65.10	14.22	12.70	7.95	5.23	1.5	0.16	0.15
	1½	1½	11/2	41/	11/2	11/2	11/2	11/2				R20	76.23	60.33	68.28	14.22	12.70	7.95	5.23	1.5	0.17	0.15
2				11/4								R21 R22	83.36 90.50	61.11 74.60	72.24 82.55	17.53 14.22	16.00 12.70	11.13 7.95	7.75 5.23	1.5 1.5	0.30	0.29
_	2			11/2	2	2						R23	93.68	71.42	82.55	17.53	16.00	11.13	7.75	1.5	0.34	0.33
21/		2	2				2	2				R24	106.38	84.12	95.25	17.53	16.00	11.13	7.75	1.5	0.39	0.38
21/2	21/2			2	21/2	21/2						R25 R26	109.55 112.73	93.65 90.47	101.6 101.6	14.22 17.53	12.70 16.00	7.95 11.13	5.23 7.75	1.5 1.5	0.25 0.42	0.23
	<u> </u>	21/2	21/2	Ē			21/2	21/2				R27	119.08	96.82	107.95	17.53	16.00	11.13	7.75	1.5	0.45	0.41
2				21/2								R28	123.83	98.43	111.13	19.05	17.53	12.70	8.66	1.5	0.57	0.55
3	3											R29 R30 (2)	122.25 128.6	106.35 106.35	114.30 117.48	14.22 17.53	12.70 16.00	7.95 11.13	5.23 7.75	1.5 1.5	0.28	0.26
	3	3			3	3	3					R31	134.95	112.7	123.83	17.53	16.00	11.13	7.75	1.5	0.48	0.50
317				3								R32	139.7	114.3	127.00	19.05	17.53	12.7	8.66	1.5	0.65	0.63
3½	31/2											R33 R34	139.73 142.9	123.83 120.65	131.78 131.78	14.22 17.53	12.70 16.00	7.95 11.13	5.23 7.75	1.5 1.5	0.32	0.30
	0,1		3					3				R35	147.65	125.4	136.53	17.53	16.00	11.13	7.75	1.5	0.56	0.55
4	<u> </u>											R36	157.18	141.27	149.23	14.22	12.70	7.95	5.23	1.5	0.37	0.34
	4	4		4	4	4	4	3½				R37 R38	160.35 173.05	138.1 141.3	149.23 157.18	17.53 22.35	16.00 20.57	11.13 15.88	7.75 10.49	1.5 1.5	0.62 1.16	0.60
			4	-				4				R39	173.05	150.8	161.93	17.53	16.00	11.13	7.75	1.5	0.67	1.14 0.65
5												R40	179.4	163.5	171.45	14.22	12.70	7.95	5.23	1.5	0.42	0.39
	5	5		5	5	5	5					R41 R42	192.1 209.55	169.85 171.45	180.98 190.50	17.53 25.40	16.00 23.88	11.13 19.05	7.75 12.32	1.5 1.5	0.75 1.91	0.73 1.88
6												R43	201.63	185.72	193.68	14.22	12.70	7.95	5.23	1.5	0.48	0.44
			5					5				R44	204.8	182.55	193.68	17.53	16.00	11.13	7.75	1.5	0.80	0.78
	6	6	6		6	6	6	6				R45 R46	222.28	200.03 198.45	211,15 211,15	17.53 19.05	16.00 17.53	11.13 12.70	7.75 8.66	1.5 1.5	0.87 1.08	0.85 1.05
			_	6								R47	247.65	209.55	228.60	25.40	23.88	19.05	12.32	1.5	2.29	2.26
8												R48	255.6	239.7	247.65	14.22	12.70	7.95	5.23	1.5	0.61	0.56
	8	8	8		8	8	8	8				R49 R50	281 285.75	258.75 254.00	269.88 269.88	17.53 22.35	16.00 20.57	11.13 15.88	7.75 10.49	1.5 1.5	1.11 1.99	1.09
			Ů	8				-				R51	301,63	257.18	279.4	28,70	26,92	22,23	14.81	1.5	3.65	3.69
10												R52	312.75	296.85	304.8	14.22	12.70	7.95	5.23	1.5	0.75	0.69
	10	10			10	10	10					R53	334.98	312,72	323,85	17.53	16.00	11,13	7.75	1.5	1.34	1.30
			10	40				10				R54	339.73	307.98	323.85	22.35	20.57	15.88	10.49	1.5	2.39	2.35
12				10								R55 R56	371.48 388.95	314.33 373.05	342.9 381.00	36.58 14.22	35.05 12.70	28.58 7.95	19.81 5.23	2.3 1.5	7.35 0.93	7.68 0.87
	12	12			12	12	12					R57	392.13	369.87	381.00	17.53	16.00	11.13	7.75	1.5	1.57	1.53
			12									R58	403.23	358.78	381.00	28.70	26.92	22.23	14.81	1.5	4.98	5.03
14				40								R59	404.83	388.92	396.88	14.22	12.70	7.95	5.23	1.5	0.98	0.90
	14			12	14	14	14					R60 R61	438.15 430.23	374.65 407.97	406.40 419.10	39.62 17.53	38.10 16.00	31.75 11.13	22.33 7.75	2.3 1.5	10.47	11.09
	·	14			-		ļ.,					R62	434.98	407.97	419.10	22.35	20.57	15.88	10.49	1.5	3.09	3.04
			14									R63	444.5	393.7	419.10	33.27	31.75	25.40	17.3	2.3	7.33	7.54
16					,,							R64	461.98	446.07	454.03	14.22	12.70	7.95	5.21	1.5	1.12	1.03
	16	16			16	16	16					R65 R66	481.03	458.77	469.9 469.9	17.53 22.35	16.00 20.57	11.13 15.88	7.75 10.49	1.5 1.5	1.94	1.89
		10	16				10					R67	485.78 498.48	454.03 441.33	469.9	36.58	35.05	15.88 28.58	10.49	2.3	3.47 10.07	3.40 10.53
18												R68	525.48	509.57	517.53	14,22	12,70	7.95	5,23	1.5	1.28	1.18
	18				18	18						R69	544.53	522.27	533.4	17.53	16.00	11.13	7.75	1.5	2.20	2.15
		18	40				18					R70	552.45	514.35	533.4	25.40	23.88	19.05	12,32	1.5	5.35	5.27
20			18									R71 R72	561.98 566.75	504.83 550.85	533.4 558.80	36.58 14.22	35.05 12.70	28.58 7.95	19.81 5.23	2.3 1.5	11.43	11.95
20	20				20	20			/		=	R73	596.90	571.50	584.20	19.05	17.53	12.70	8.66	1.5	2.99	2.92
	Ħ	20		/			20					R74	603.25	565,15	584.20	25.40	23.88	19.05	12.32	1.5	5.85	5.77
			20									R75	615.95	552.45	584.20	39.62	38.10	31.75	22.33	2.3	15.05	15.94



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										RE										Din	nensions in	millimetres
A	ASME/AN		SIB1	6.5		AP	I 6B		ASME B1 Series			DING	OUTSIDE DIA. OF RING	INSIDE DIA. OF RING	PITCH DIAMETER OF RING	HEIGHT OF RING OVAL	HEIGHT OF RING OCTA.	WIDTH OF RING	WIDTH OF FLAT OF OCTA, RING	Radius in Oct. Ring	WEI	GHT
150	300 600	900	1500	2500	720 960	2000	3000	10000	150	300 600	900	RING NUMBER	OD ±0.38	ID	P ±0.18	B +1.27, - 0.51	H +1.27, - 0.51	A ±0.20	C ±0.20	R ₁ ±0.50	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
								11/2				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
								21/2				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
								31/2				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
								Ì		32		R96	936.63	892.18	914.40	-	26.92	22,23	14.81	1.5	-	8.47
								Ì		34		R97	987.43	942.98	965.20		26.92	22.23	14.81	1.5	_	12.08
								1		36		R98	1,044.58	1,000.13	1,022.35	-	26.92	22.23	14.81	1.5	-	12.75
						8	8	<u> </u>				R99	246.08	223,82	234.95	-	16.00	11.13	7.75	1.5	-	13.51
								<u> </u>			26	R100	777.88	720.73	749.30	-	35.05	28.58	19.81	2.3	-	0.95
								1			28	R101	831.85	768.35	800.10	-	38.10	31.75	22.33	2.3	-	16.79
								1			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
								1			34	R104	1,000.13	930.28	965.20	-	41.40	34.93	24.82	2.3	_	24.95
								1			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 serks A. NOTE:

1) All dimensions are in mm.

2) R30 is suitable for lapped flanges only.

3) Class 720, 960 and 10000 flanges to API 6B are obsolete. Data is for information only.

4) The 23° surfaces on R and RX gaskets shall have a surface finish no rougher than 1.6 μm Ra (63 μin RMS).

5) B, H Variation in height throughout the entire circumference of any ring shall not exceed 0.5 mm within these tolerances.

6) Flatness shall be flat within a tolerance of 0.2% of ring outside diameter to a maximum of 0.38mm (0.015 in).

3. All dimensions are in mm.

R30 is suitable for lapped flanges only.

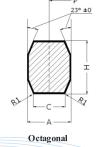
Class 720, 960 and 10000 flanges to AP1 6B are obsolete. Data is for information only.

The 23° surfaces on R and RX gas kets 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

