



GASKONIX
ENGINEERING PVT. LTD.

RING JOINT GASKET (RTJ)



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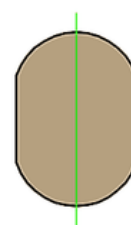


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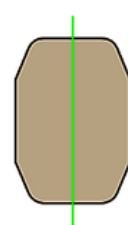
METALLIC RING JOINTS

Metallic ring joint gaskets are heavy duty, high-pressure gaskets largely used in off shore petrochemical applications. They are precision-engineered components designed to be used in conjunction with precision machined flanges. Our Ring Joints are manufactured according to ASME B16.20 or API 6A. The gasket material is selected on a number of grounds; primarily chemical compatibility with the media and the hardness of the flange. The gasket material ideally needs to be roughly 30 Brinell less than the flange material to ensure sufficient deformation of the gasket without damaging the flange facing. A number of ring joint styles are available designed for specific flange types as follows

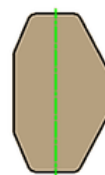
TYPE	NOMINAL PIPE SIZE	CLASS RINGS
R OVAL & OCTAGONAL	1/2" TO 24"	150 to 2500 ASME B16.20
	26" TO 36"	300 to 900 ASME B16.20
	1 1/2" TO 20"	Series A API 6A
RX	1 1/2" TO 24"	720 to 5000 ASME B16.20
	26" TO 36"	300 to 900 ASME B16.20
	1 1/2" TO 20"	Series A API 6A
BX	1 11/16" to 21 1/4"	5000 to 20000 ASME B16.20



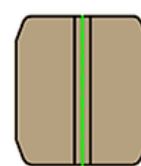
Oval Type



Octagonal Type



RX Type



BX Type

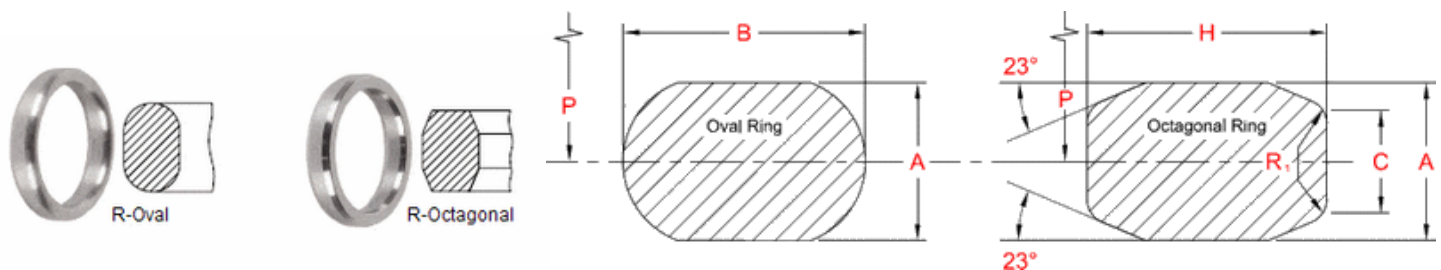
MATERIALS

The gasket material is selected on a number of grounds primarily; chemical compatibility with the media and the hardness of the flange. The gasket material ideally needs to be less than the flange material to ensure sufficient deformation of the gasket without damaging the flange facing. Some common materials are listed in the table below:

MATERIAL	RTJ HARDNESS (BRINELL)	TEMPERATURE	IDENTIFICATION
SOFT IRON	90	-60 to 500°C	D
LOW CARBON STEEL	120	-40 to 500°C	S
4-6% Cr ½% Mo	130	125 to 500°C	F5
304	160	-250 to 650°C	S304
316	160	-196 to 800°C	S316
321	160	-250 to 870°C	S321
347	160	-250 to 870°C	S347
410	170	-20 to 500°C	S410
Monel (N04400)	135	400°C	N04400
UNS N08904	180	400°C	904L
Inconel 625	200	+1000°C	625
Incoloy 825	160	+1000°C	825
Hastelloy C-276	200	+1000°C	C-276
Titanium	160	+540°C	TI

R-TYPE RING JOINTS

STANDARD STYLE R RING TYPE JOINTS These are manufactured in accordance with ASME B16.20 or API 6A. Available in both oval and octagonal configurations, both types are interchangeable on the modern octagonal type grooved flanges. As with all solid metal Ring Type Joints including Style R, it is recommended to replace the ring when flanged connection is broken.



DIMENTIONAL DATA – R TYPES

Surface finish of the Style R Ring Type Joint sealing faces (radiused ends of an Oval and the 23° angled faces of an Octagonal shape) shall not be greater than 1.6µm Ra/ 63µin RMS. GASKONIX Style R Ring Type Joints can be manufactured in accordance with all relevant standards to suit the following flange designations:

- ✦ API 6A
- ✦ ASME B16.5
- ✦ ASME B16.47
- ✦ SERIES A BS1560



STYLE R – DIMENTIONAL DATA

RING NUMBER	PRESSURE CLASS RATINGS								PITCH DIA. OF RING	WIDTH OF RING	HEIGHT OF RING		APPROX. DIST. BETWEEN MADE UP FLANGES
	ASME B 16.5 & ASME B16.47 SERIES A					API 6A (psi)					OVAL	OCTAG	
	150	300/600	900	1500	2500	2000	3000	5000					
	NOMINAL PIPE SIZES												
R 11	-	1/2	-	-	-	-	-	-	34.14	6.35	11.2	9.7	-
R 12	-	-	1/2	1/2	-	-	-	-	39.70	7.95	14.2	12.7	-
R 13	-	3/4	-	-	1/2	-	-	-	42.88	7.95	14.2	12.7	-
R 14	-	-	3/4	3/4	-	-	-	-	44.45	7.95	14.2	12.7	-
R 15	1	-	-	-	-	-	-	-	47.63	7.95	14.2	12.7	-
R 16	-	1	1	1	3/4	-	-	-	50.80	7.95	14.2	12.7	-
R 17	1 ¼	-	-	-	-	1	1	1	57.15	7.95	14.2	12.7	-
R 18	-	1 ¼	1 ¼	1 ¼	1	1 ¼	1 ¼	1 ¼	60.33	7.95	14.2	12.7	-
R 19	1 ½	-	-	-	-	-	-	-	65.10	7.95	14.2	12.7	-
R 20*	-	1 ½	1 ½	1 ½	-	1 ½	1 ½	1 ½	68.28	7.95	14.3	12.7	4.1
R 21	-	-	-	-	1 ¼	-	-	-	72.24	11.13	17.5	16.0	-
R 22	2	-	-	-	-	-	-	-	82.55	7.95	14.2	12.7	-
R 23*	-	2	-	-	1 ½	-	-	-	82.55	11.13	17.5	15.9	4.8
R 24*	-	-	2	2	-	-	2	2	95.25	11.13	17.5	15.9	4.8
R 25	2 ½	-	-	-	-	-	-	-	101.60	7.95	14.2	12.7	-
R 26*	-	2 ½	-	-	2	2 ½	-	-	101.60	11.13	17.5	15.9	4.8
R 27*	-	-	2 ½	-	-	-	2 ½	2 ½	107.95	11.13	17.15	15.19	4.8
R 28	-	-	-	-	2 ½	-	-	-	111.13	12.70	19.1	17.5	-
R 29	3	-	-	-	-	-	-	-	114.30	7.95	14.2	12.7	-
R 30(a)	-	3	-	-	-	-	-	-	117.48	11.13	17.5	16.0	-
R 31*	-	3	3	-	-	3	3	-	123.83	11.13	17.5	15.9	4.8
R 32	-	-	-	-	3	-	-	-	127.00	12.70	19.1	17.5	-
R 33	3 ½	-	-	-	-	-	-	-	131.78	7.95	14.2	12.7	-
R 34	-	3 ½	-	-	-	-	-	-	131.78	11.13	17.5	16.0	-
R 35*	-	-	-	3	-	-	-	3	136.53	11.13	17.5	15.9	4.8
R 36	4	-	-	-	-	-	-	-	149.23	7.95	14.2	12.7	-
R 37*	-	4	4	-	-	4	4	3 ½	149.23	11.13	17.5	15.9	4.8
R 38	-	-	-	-	4	-	-	-	157.18	15.88	22.44	20.6	-
R 39*	-	-	-	4	-	-	-	4	161.93	11.13	17.5	16.0	4.8
R 40	5	-	-	-	-	-	-	-	171.45	7.95	14.2	12.7	-
R 41*	-	5	5	-	-	5	5	-	180.98	11.13	17.5	15.9	-
R 42	-	-	-	-	5	-	-	-	190.50	19.05	25.4	23.9	-
R 43	6	-	-	-	-	-	-	-	193.68	7.95	14.2	12.7	-
R 44*	-	-	-	5	-	-	-	5	193.68	11.13	17.5	15.9	4.8
R 45*	-	6	6	-	-	6	6	-	211.15	11.13	17.5	15.9	4.8
R 46*	-	-	-	6	-	-	-	6	211.15	12.70	19.1	17.5	4.8
R 47*	-	-	-	-	6	-	-	6	228.60	19.05	25.4	23.9	4.1
R 48	8	-	-	-	-	-	-	-	247.65	7.95	14.2	12.7	-
R 49*	-	8	8	-	-	8	8	-	269.88	11.13	17.5	15.9	4.8
R 50*	-	-	-	8	-	-	-	8	269.88	15.88	22.4	20.6	4.1

NOTE - *Denotes ring number specified in API 6A



STYLE R – DIMENTIONAL DATA

RING NUMBER	PRESSURE CLASS RATINGS								PITCH DIA. OF RING	WIDTH OF RING	HEIGHT OF RING		APPROX. DIST. BETWEEN MADE UP FLANGES
	ASME B 16.5 & ASME B16.47 SERIES A					API 6A (psi)					OVAL	OCTAG	
	150	300/600	900	1500	2500	2000	3000	5000					
	NOMINAL PIPE SIZES												
R 51	-	-	-	-	8	-	-	-	279.40	22.23	28.7	26.9	-
R 52	10	-	-	-	-	-	-	-	304.80	7.95	14.2	12.7	-
R 53*	-	10	10	-	-	10	10	-	323.85	11.13	17.5	15.9	4.8
R 54*	-	-	-	10	-	-	-	10	323.85	15.88	22.4	20.6	4.1
R 55	-	-	-	-	10	-	-	-	342.90	28.58	36.6	35.1	-
R 56	12	-	-	-	-	-	-	-	381.00	7.95	14.2	12.7	-
R 57*	-	12	12	-	-	12	12	-	381.00	11.13	17.5	15.9	4.8
R 58	-	-	-	12	-	-	-	-	381.00	22.23	28.7	26.9	-
R 59	14	-	-	-	-	-	-	-	381.88	7.95	14.2	12.7	-
R 60	-	-	-	-	12	-	-	-	406.40	31.75	39.6	38.1	-
R 61	-	14	-	-	-	14	14	-	419.10	11.13	17.5	16.10	-
R 62	-	-	14	-	-	-	-	-	419.20	15.88	22.4	20.6	-
R 63*	-	-	-	14	-	-	-	-	419.00	25.40	33.3	31.8	5.6
R 64	16	-	-	-	-	-	-	-	454.03	7.95	14.2	12.7	-
R 65*	-	16	-	-	-	16	-	-	469.90	11.13	17.5	15.9	4.8
R 66*	-	-	16	-	-	-	16	-	469.90	15.88	22.4	20.6	4.1
R 67	-	-	-	16	-	-	-	-	517.53	28.58	36.6	35.1	-
R 68	18	-	-	-	-	-	-	-	533.40	7.95	14.2	12.7	-
R 69*	-	18	-	-	-	18	-	-	533.40	11.13	17.5	15.9	4.8
R 70*	-	-	18	-	-	-	18	-	533.40	19.05	25.4	23.9	4.8
R 71	-	-	-	18	-	-	-	-	533.40	28.58	36.6	35.1	-
R 72	20	-	-	-	3	-	-	-	558.80	7.95	14.2	12.7	-
R 73*	-	20	-	-	-	20	-	-	584.20	12.70	19.1	17.5	3.3
R 74*	-	-	20	-	-	-	20	-	584.20	19.05	25.4	23.9	4.8
R 75	-	-	-	20	-	-	-	-	584.20	31.75	39.6	38.1	-
R 76	24	-	-	-	-	-	-	-	673.10	7.95	14.2	12.7	-
R 77	-	24	-	-	-	-	-	-	692.15	15.88	22.4	20.6	-
R 78	-	-	24	-	-	-	-	-	692.15	25.40	33.3	31.8	-
R 79	-	-	-	24	-	-	-	-	692.15	34.93	44.5	41.4	-
R 80	22	-	-	-	-	-	-	-	615.95	7.95	-	12.7	-
R 81	-	22	-	-	-	-	-	-	635.00	14.30	-	19.1	-
R 82*	-	-	-	-	-	-	-	-	57.15	11.13	-	15.9	4.8
R 84*	-	-	-	-	-	-	-	-	63.50	11.13	-	15.9	4.8
R 85*	-	-	-	-	-	-	-	-	79.38	12.70	-	17.5	3.3
R 86*	-	-	-	-	-	-	-	-	90.50	15.88	-	20.6	4.1
R 87*	-	-	-	-	-	-	-	-	100.03	15.88	-	20.6	4.1
R 88*	-	-	-	-	-	-	-	-	123.83	19.05	-	23.9	4.8
R 89*	-	-	-	-	-	-	-	-	114.30	19.05	-	23.9	4.8
R 90*	-	-	-	-	-	-	-	-	155.58	22.23	-	26.9	4.8
R 91*	-	-	-	-	-	-	-	-	260.35	31.75	-	38.1	4.1

NOTE - *Denotes ring number specified in API 6A

STYLE R – DIMENTIONAL DATA

RING NUMBER	PRESSURE CLASS RATINGS								PITCH DIA. OF RING	WIDTH OF RING	HEIGHT OF RING		APPROX. DIST. BETWEEN MADE UP FLANGES
	ASME B 16.5 & ASME B16.47 SERIES A					API 6A (psi)					OVAL	OCTAG	
	150	300/600	900	1500	2500	2000	3000	5000					
	NOMINAL PIPE SIZES												
R 92	-	-	-	-	8	-	-	-	228.60	11.13	17.5	16.0	-
R 93	-	26	-	-	-	-	-	-	749.30	19.05	-	23.9	-
R 94	-	28	-	-	-	-	-	-	800.10	19.05	-	23.9	-
R 95	-	30	-	-	-	-	-	-	857.25	19.50	-	23.9	-
R 96	-	32	-	-	-	-	-	-	914.40	22.33	-	26.9	-
R 97	-	34	-	-	-	-	-	-	965.20	22.33	-	26.9	-
R 98	-	36	-	-	-	-	-	-	1022.35	-	22.23	-	-
R 99*	-	-	-	-	-	-	-	-	234.95	11.13	-	15.9	4.8
R 100	-	-	26	-	-	-	-	-	749.30	28.58	-	35.1	-
R 101	-	-	28	-	-	-	-	-	800.10	31.75	-	38.1	-
R 102	-	-	30	-	-	-	-	-	857.25	31.75	-	38.1	-
R 103	-	-	32	-	-	-	-	-	914.40	31.75	-	38.1	-
R 104	-	-	34	-	-	-	-	-	965.20	34.93	-	38.1	-
R 105	-	-	36	-	-	-	-	-	1022.35	-	34.93	-	-

a) R30 Ring type joint used for lapped joint only. Dimensions in mm.
 Figures stated are for information only. Please refer to the current version of the original standards for dimensional information.

Tolerances :

A = width of ring ± 0.20 .

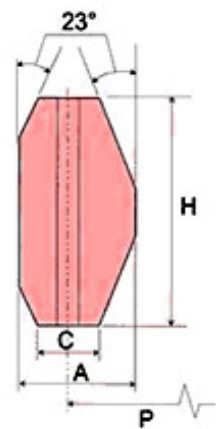
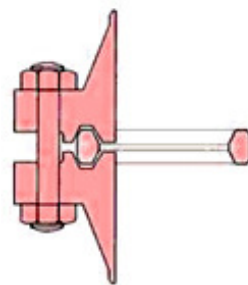
B, H = height of ring.

P = average pitch diameter of ring ± 0.18 .

R1 = radius in ring ± 0.5 . 23 deg = angle ± 0 deg 30 min

RX – TYPE RING JOINTS

The Style RX is an adaptation of the standard Style R which is energised when the assembly is pressurised. The RX is designed to fit the same groove design as a standard Style R, making the joints interchangeable, however consideration should be given to the difference in finished make up distance. The geometry of this modified design induces a pressure energising effect when the assembly is pressurised, improving the efficiency of the seal.



Surface finish of the Style RX Ring Type Joint sealing faces (23° angled faces) shall not be greater than 1.6µm Ra / 63µin RMS.

STYLE RX – DIMENTIONAL DATA

RING NUMBER	PRESSURE CLASS RATINGS – API 6A (psi)			PITCH DIA. OF RING	OUTSIDE DIAMETER	WIDTH OF RING	WIDTH OF FLAT	HEIGHT OF OUTSIDE BEVEL	HEIGHT OF RING	HOLE SIZE (NOTE 1 & 2)	APPROX DIST. BETWEEN MADE UP FLANGES (mm)
	2000	3000	5000								
	NOMINAL PIPE SIZE (INCHES)										
RX 20	1 1/2	1 1/2	1 1/2	68.26	76.20	8.74	4.62	3.18	19.05	-	9.7
RX 23	2	-	-	82.55	93.27	11.91	6.45	4.24	25.40	-	11.5
RX 24	-	2	2	95.25	105.97	11.91	6.45	4.24	25.40	-	11.5
RX 25	-	-	3 1/8	101.60	109.55	8.74	4.62	3.18	19.05	-	-
RX 26	2 1/2	-	-	101.60	111.91	11.91	6.45	4.24	25.40	-	11.9
RX 27	-	2 1/2	2 1/2	107.95	118.26	11.91	6.45	4.24	25.40	-	11.9
RX 31	3	3	-	123.83	134.54	11.91	6.45	4.24	25.40	-	11.9
RX 35	-	-	3	136.53	147.24	11.91	6.45	4.24	25.40	-	11.9
RX 37	4	4	-	149.23	159.94	11.91	6.45	4.24	25.40	-	11.9
RX 39	-	-	4	161.93	172.64	11.91	6.45	4.24	25.40	-	11.9
RX 41	5	5	-	180.98	191.69	11.91	6.45	4.24	25.40	-	11.9
RX 44	-	-	5	193.68	204.39	11.91	6.45	4.24	25.40	-	11.9
RX 45	6	6	-	211.15	221.84	11.91	6.45	4.24	25.40	-	11.9
RX 46	-	-	6	211.15	222.25	13.49	6.68	4.78	28.58	-	11.9
RX 47	-	-	8	228.60	245.26	19.84	10.34	6.88	41.28	-	18.3
RX 49	8	8	-	269.88	280.59	11.91	6.45	4.24	25.40	-	11.9
RX 50	-	-	8	269.88	283.36	16.66	8.51	5.28	31.75	-	11.9
RX 53	10	10	-	323.85	334.57	11.91	6.45	4.24	25.40	-	11.9
RX 54	-	-	10	323.85	337.34	16.66	8.51	5.28	31.75	-	11.93
RX 57	12	12	-	381.00	391.72	11.91	6.45	4.24	25.40	-	11.9
RX 63	-	-	14	419.10	441.73	27.00	14.78	8.46	50.80	-	21.3
RX 65	16	-	-	469.90	480.62	11.91	6.45	4.24	25.40	-	11.9
RX 66	-	16	-	469.90	483.39	16.66	8.51	5.28	31.75	-	11.9
RX 69	18	-	-	533.40	544.12	11.91	6.45	4.24	25.40	-	11.9
RX 70	-	18	-	533.40	550.06	19.84	10.34	6.88	41.28	-	18.3
RX 73	20	-	-	584.20	596.11	13.49	6.68	5.28	31.75	-	15.0
RX 74	-	20	-	584.20	600.86	19.84	10.34	6.88	41.28	-	18.3
RX 82 (1)	-	-	-	57.15	67.87	11.91	6.45	4.24	25.40	1.5	11.9
RX 84 (1)	-	-	-	63.50	74.22	11.91	6.45	4.24	25.40	1.5	11.9
RX 85 (1)	-	-	-	79.38	90.09	13.49	6.68	4.24	25.40	1.5	9.7
RX 86 (1)	-	-	-	90.50	103.58	15.09	8.51	4.78	28.58	2.3 (2.4)	9.7
RX 87 (1)	-	-	-	100.03	113.11	15.09	8.51	4.78	28.58	2.3 (2.4)	9.7
RX 88 (1)	-	-	-	123.83	139.29	17.48	10.34	5.28	31.75	3.0	9.7
RX 89 (1)	-	-	-	114.30	129.77	18.26	10.34	5.28	31.75	3.0	9.7
RX 90 (1)	-	-	-	155.58	74.63	19.84	12.17	7.42	44.45	3.0	18.3
RX 91 (1)	-	-	-	260.35	286.94	30.18	19.81	7.54	45.24	3.0	19.1
RX 99	-	-	-	234.95	245.67	11.91	6.45	4.24	25.40	-	11.9
RX 201	-	-	1 3/8	46.05	51.46	5.74	3.20	1.45 (3)	11.30	-	-
RX 205	-	-	1 13/16	57.15	62.31	5.56	3.05	1.83 (3)	11.10	-	-
RX 210	-	-	2 9/16	88.90	97.64	9.53	5.41	3.18 (3)	19.05	-	-
RX 215	-	-	4 1/16	130.18	140.89	11.91	5.33	4.24 (3)	25.40	-	-

GENERAL NOTES

Please refer to the current version of the original standards for dimensional information. Tolerances OD = outside diameter of ring, +0.51, 0.00. A = width of ring, + 0.20, - 0.00 - Variation in width throughout the entire circumference of any ring shall not exceed 0.10 within these tolerances. C = width of flat, + 0.15, - 0.00. D = height of outside bevel, +0.00, - 0.76. H = height of ring, + 0.20, - 0.00 - Variation in height throughout the entire circumference of any ring shall not exceed 0.10 within these tolerances. R1 = radius of ring, +/ - 0.5. 23 deg = angle, +/ - 0 deg 30 min. E = hole size. +/ - 0.5

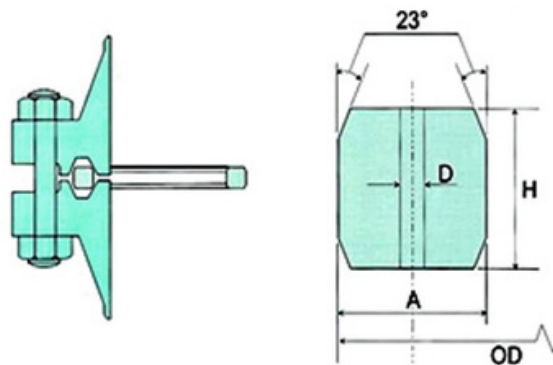
NOTES

1. Rings RX-82 through RX-91 only require one pressure passage hole as illustrated. The centreline of the hole shall be located at the midpoint of dimension C.
2. Tolerance on these dimensions is + 0.00, - 0.38.

BX - TYPE RING JOINTS

The Style BX energized Ring Type Joints, manufactured in accordance with ASME B16.20, API 6A and API 17D, are designed for use on API 6BX flanges on pressure systems rated up to 20,000 psi. When correctly fitted, the style BX gasket allows virtual face to face contact of the flange faces which means that the gasket is fully confined on both the inner and outer diameters. All BX gaskets incorporate a pressure balance hole to ensure equalization of pressure which may be generated in the grooves.

DIMENTIONAL DATA - BX TYPES



RING NUMBER	NOMINAL SIZE	PRESSURE CLASS RATINGS – API6BX FLANGES						OUTSIDE DIAMETER	HEIGHT OF RING	WIDTH OF RING	OUTSIDE DIAMETER OF FLAT	WIDTH OF FLAT	HOLE SIZE (note 1 & 2)
		2000	3000	5000	10000	15000	20000						
		NOMINAL PIPE SIZES (inches)											
BX 150	43	-	-	-	1 11/16	1 11/16	-	72.19	9.30	9.30	70.87	7.98	1.5(1.6)
BX 151	46	-	-	-	1 13/16	1 13/16	1 13/16	76.40	9.63	9.63	75.03	8.26	1.5(1.6)
BX 152	52	-	-	-	2 1/16	2 1/16	2 1/16	84.68	10.24	10.24	83.24	8.79	1.5(1.6)
BX 153	65	-	-	-	2 9/16	2 9/16	2 9/16	100.94	11.38	11.38	99.31	9.78	1.5(1.6)
BX 154	78	-	-	-	3 1/16	3 1/16	3 1/16	116.84	12.40	12.40	115.09	10.64	1.5(1.6)
BX 155	103	-	-	-	4 1/16	4 1/16	4 1/16	147.96	14.22	14.22	145.95	12.22	1.5(1.6)
BX 156	179	-	-	-	7 1/16	7 1/16	7 1/16	237.92	18.62	18.62	235.28	15.98	3.0(3.2)
BX 157	228(229)	-	-	-	9	9	9	294.46	20.98	20.98	291.49	18.01	3.0(3.2)
BX 158	279	-	-	-	11	11	11	352.04	23.14	23.14	348.77	19.86	3.0(3.2)
BX 159	346	-	-	-	13 5/8	13 5/8	13 5/8	426.72	25.70	25.70	423.09	22.07	3.0(3.2)
BX 160	346	-	-	13 5/8	-	-	-	402.59	23.83	13.74	399.21	10.36	3.0(3.2)
BX 161	425(422)	-	-	16 3/4	-	-	-	491.41	28.07	16.21	487.45	12.24	3.0(3.2)
BX 162	425(422)	-	-	16 3/4	16 3/4	16 3/4	-	475.49	14.22	14.22	473.48	12.22	1.5(1.6)
BX 163	476	-	-	18 3/4	-	-	-	556.16	30.10	17.37	551.89	13.11	3.0(3.2)
BX 164	476	-	-	-	18 3/4	18 3/4	-	570.56	30.10	24.59	566.29	20.32	3.0(3.2)
BX 165	540	-	-	21 1/4	-	-	-	624.71	32.03	18.49	620.19	13.97	3.0(3.2)
BX 166	540	-	-	-	21 1/4	-	-	640.03	32.03	26.14	635.51	21.62	3.0(3.2)
BX 167	679 (680)	26 3/4	-	-	-	-	-	759.36	35.86 (3)	13.11	754.28	8.03	1.5(1.6)
BX 168	679 (680)	-	26 3/4	-	-	-	-	765.25	35.86 (3)	16.05	760.17	10.97	1.5(1.6)
BX 169	130	-	-	-	5 1/8	-	-	173.51	15.85	12.93	171.27	10.69	1.5(1.6)
BX 170	228 (168)	-	-	-	6 5/8	6 5/8	-	218.03	14.22	14.22	216.03	12.22	1.5(1.6)
BX 171	279 (218)	-	-	-	8 9/16	8 9/16	-	267.44	14.22	14.22	265.43	12.22	1.5(1.6)
BX 172	346 (283)	-	-	-	11 5/32	11 5/32	-	333.07	14.22	14.22	331.06	12.22	1.5(1.6)
BX 303	762	30	30	-	-	-	-	852.75	37.95	16.97	847.37	11.61	1.5(1.6)

- a) Dimensions in mm.
b) Figures stated are for information only. Please refer to the current version of the original standards for dimensional information.
c) Radius R, shall be 8% to 12% of the gasket height, H.
d) Nominal sizes shown in parenthesis are as listed in ASME B16.20

TOLARANCES

OD = outside diameter of ring, + 0.00, - 0.15 H = height of ring, + 0.20, - 0.00 - Variation in height throughout the entire circumference of any ring shall not exceed 0.10 within these tolerances. A = width of ring, + 0.20, - 0.00 - Variation in width throughout the entire circumference of any ring shall not exceed 0.10 within these tolerances. ODT = outside diameter of flat, +/- 0.05 C = width of flat, + 0.15, - 0.00 D = hole size, +/- 0.5 R = radius of ring [see general note (c)] 23 deg = angle, +/- 0 deg 15 min