

# Ring Type Joint Gasket (RTJ Gasket) Weight and Size Chart - Ningbo Sunshine Sealing

## Type R Oval and Octagonal Ring Type Joint Gaskets -In accordance ASME B16.20 / API 6A\*

RING NO	ASME B16.5 FLANGES / ASME B16.20					API 6B FLANGES / API 6A (psi)				PCD (mm)	WIDTH (mm)	RING HEIGHT		WEIGHT (kg)
	150	300-600	900	1500	2500	2000	3000	5000	10000			OVAL (mm)	OCT (mm)	
R11	-	1/2"	-	-	-	-	-	-	-	34.14	6.35	11.2	9.7	0.05
R12	-	-	1/2"	1/2"	-	-	-	-	-	39.7	7.95	14.2	12.7	0.1
R13	-	3/4"	-	-	1/2"	-	-	-	-	42.88	7.95	14.2	12.7	0.1
R14	-	-	3/4"	3/4"	-	-	-	-	-	44.45	7.95	14.2	12.7	0.11
R15	1"	-	-	-	-	-	-	-	-	47.63	7.95	14.2	12.7	0.12
R16	-	1"	1"	1"	3/4"	1"	1"	1"	-	50.8	7.95	14.2	12.7	0.12
R17	1.1/4"	-	-	-	-	-	-	-	-	57.15	7.95	14.2	12.7	0.14
R18	-	1.1/4"	1.1/4"	1.1/4"	1"	1.1/4"	1.1/4"	1.1/4"	-	60.33	7.95	14.2	12.7	0.15
R19	1.1/2"	-	-	-	-	-	-	-	-	65.1	7.95	14.2	12.7	0.16
R20*	-	1.1/2"	1.1/2"	-	1.1/2"	1.1/2"	1.1/2"	1.1/2"	-	68.28	7.95	14.2	12.7	0.17
R21	-	-	-	-	1.1/4"	-	-	-	-	72.24	11.13	17.5	16	0.3
R22	2"	-	-	-	-	-	-	-	-	82.55	7.95	14.2	12.7	0.2
R23*	-	2"	-	-	1.1/2"	2.1/16"	-	-	-	82.55	11.13	17.5	16	0.34
R24*	-	-	2"	2"	-	-	2.1/16"	2.1/16"	-	95.25	11.13	17.5	16	0.39
R25	2.1/2"	-	-	-	-	-	-	-	-	101.6	7.95	14.2	12.7	0.25
R26*	-	2.1/2"	-	-	2"	2.9/16"	-	-	-	101.6	11.13	17.5	16	0.42
R27	-	-	2.1/2"	2.1/2"	-	-	2.9/16"	2.9/19"	-	107.95	11.13	17.5	16	0.45
R28	-	-	-	-	2.1/2"	-	-	-	-	111.13	12.7	19.1	17.5	0.57
R29	3"	-	-	-	-	-	-	-	-	114.3	7.95	14.2	12.7	0.28
R30	-	3"	-	-	-	-	-	-	-	117.48	11.13	17.5	16	0.48
R31*	-	3"	3"	-	-	3.1/8"	3.1/8"	-	-	123.83	11.13	17.5	16	0.51
R32	-	-	-	-	3	-	-	-	-	127	12.7	19.1	17.5	0.65
R33	3.1/2"	-	-	-	-	-	-	-	-	131.78	7.95	14.2	12.7	0.32
R34	-	3.1/2"	-	-	-	-	-	-	-	131.78	11.13	17.5	16	0.54
R35*	-	-	-	3"	-	-	-	3.1/8"	-	136.53	11.13	17.5	16	0.56
R36	4"	-	-	-	-	-	-	-	-	149.23	7.95	14.2	12.7	0.37
R37*	-	4"	4"	-	-	4.1/16"	4.1/16"	3.1/2"	-	149.23	11.13	17.5	16	0.62
R38	-	-	-	-	4"	-	-	-	-	157.18	15.88	22.4	20.6	1.16
R39*	-	-	-	4"	-	-	-	4.1/16"	-	161.93	11.13	17.5	16	0.67
R40	5"	-	-	-	-	-	-	-	-	171.45	7.95	14.2	12.7	0.42
R41	-	5"	5"	-	-	5.1/8"	5.1/8"	-	-	180.98	11.13	17.5	16	0.75
R42	-	-	-	-	5	-	-	-	-	190.5	19.05	25.4	23.9	1.91
R43	6"	-	-	-	-	-	-	-	-	193.68	7.95	14.3	12.7	0.48
R44*	-	-	-	5"	-	-	-	5.1/8"	-	193.68	11.13	17.5	16	0.8
R45*	-	6"	6"	-	-	7.1/16"	7.1/16"	-	-	211.15	11.13	17.5	16	0.87
R46*	-	-	-	6"	-	-	-	7.1/16"	-	211.15	12.7	19.05	17.5	1.08
R47*	-	-	-	-	6"	-	-	-	-	228.6	19.05	25.4	23.9	2.3
R48	8"	-	-	-	-	-	-	-	-	247.65	7.95	14.3	12.7	0.61
R49*	-	8"	8"	-	-	9"	9"	-	-	269.88	11.13	17.5	16	1.11
R50*	-	-	-	8"	-	-	-	9"	-	269.88	15.88	22.22	20.6	1.99
R51	-	-	-	-	8"	-	-	-	-	279.4	22.23	28.6	26.9	3.69
R52	10"	-	-	-	-	-	-	-	-	304.8	7.95	14.3	12.7	0.75
R53*	-	10"	10"	-	-	11"	11"	-	-	323.85	11.13	17.5	16	1.34
R54*	-	-	-	10"	-	-	-	11"	-	323.85	15.88	22.22	20.6	2.39
R55	-	-	-	-	10"	-	-	-	-	342.9	28.58	36.51	35.1	7.68
R56	12"	-	-	-	-	-	-	-	-	381	7.95	14.3	12.7	0.93
R57	-	12"	12"	-	-	13.5/8"	13.5/8"	-	-	381	11.13	17.5	16	1.57
R58	-	-	-	12"	-	-	-	-	-	381	22.23	28.6	26.9	5.03
R59	14"	-	-	-	-	-	-	-	-	396.88	7.95	14.5	12.7	0.98
R60	-	-	-	-	12"	-	-	-	-	406.4	31.75	39.7	38.1	11.09
R61	-	14"	-	-	-	14"	14"	-	-	419.1	11.13	17.5	16	1.73
R62	-	-	14"	-	-	-	-	-	-	419.1	15.88	22.22	20.6	3.09
R63*	-	-	-	14"	-	-	-	-	-	419.1	25.4	33.33	31.8	7.54
R64	16"	-	-	-	-	-	-	-	-	454.03	7.95	14.2	12.7	1.12
R65*	-	16"	-	-	-	16.3/4"	16.3/4"	-	-	469.9	11.13	17.5	16	1.89
R66*	-	-	16"	-	-	-	-	-	-	469.9	15.88	22.4	20.6	3.4
R67	-	-	-	16"	-	-	-	-	-	469.9	28.58	36.6	35.1	10.53
R68	18"	-	-	-	-	-	-	-	-	517.53	7.95	14.2	12.7	1.28
R69*	-	18"	-	-	-	18"	-	-	-	533.4	11.13	17.5	16	2.2
R70*	-	-	18"	-	-	-	18"	-	-	533.4	19.05	25.4	23.9	5.35
R71	-	-	-	18"	-	-	-	-	-	533.4	28.58	36.6	35.1	11.95
R72	20"	-	-	-	-	-	-	-	-	558.8	7.95	14.2	12.7	1.38
R73*	-	20"	-	-	-	20.3/4"	-	-	-	584.2	12.7	19.1	17.5	2.99

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**Type R Oval and Octagonal Ring Type Joint Gaskets - In accordance ASME B16.20 / API 6A\***

RING NO	ASME B16.5 FLANGES / ASME B16.20					API 6B FLANGES / API 6A (psi)				PCD (mm)	WIDTH (mm)	RING HEIGHT		WEIGHT (kg)
	150	300-600	900	1500	2500	2000	3000	5000	10000			OVAL (mm)	OCT (mm)	
R74*			20"	-	-	-	20.3/4"	-	-	584.2	19.05	25.4	23.9	5.85
R75	-	-	-	20"	-	-	-	-	-	584.2	31.75	39.6	38.1	15.94
R76	24"	-	-	-	-	-	-	-	-	673.1	7.95	14.2	12.7	1.66
R77	-	24"	-	-	-	-	-	-	-	692.15	15.88	22.4	20.6	5.11
R78	-	-	24"	-	-	-	-	-	-	692.15	25.4	33.3	31.8	12.46
R79	-	-	-	24"	-	-	-	-	-	692.15	34.93	44.5	41.4	22.58
R80	22"	-	-	-	-	-	-	-	-	615.95	7.95	14.29	12.7	1.59
R81	-	22"	-	-	-	-	-	-	-	635	14.3	20.64	19.1	4.05
R82*	-	-	-	-	-	-	-	-	1"	57.15	11.13	17.46	16	0.23
R84*	-	-	-	-	-	-	-	-	1.1/2"	63.5	11.13	17.46	16	0.25
R85*	-	-	-	-	-	-	-	-	2"	79.38	12.7	19.05	17.5	0.4
R86*	-	-	-	-	-	-	-	-	2.1/2"	90.5	15.88	22.22	20.6	0.65
R87*	-	-	-	-	-	-	-	-	3"	100.03	15.88	22.22	20.6	0.72
R88*	-	-	-	-	-	-	-	-	4"	123.83	19.05	25.4	23.9	1.22
R89*	-	-	-	-	-	-	-	-	3.1/2"	114.3	19.05	25.4	23.9	1.13
R90*	-	-	-	-	-	-	-	-	5"	155.58	22.23	28.58	26.9	2.05
R91*	-	-	-	-	-	-	-	-	10"	260.35	31.75	39.68	38.1	7.1
R92	-	-	-	-	-	-	-	-	-	228.6	11.13	17.5	16	0.94
R93	-	26"	-	-	-	-	-	-	-	749.3	19.05	25.4	23.9	7.4
R94	-	28"	-	-	-	-	-	-	-	800.1	19.05	25.4	23.9	7.9
R95	-	30"	-	-	-	-	-	-	-	857.25	19.05	25.4	23.9	8.47
R96	-	32"	-	-	-	-	-	-	-	914.4	22.23	28.58	26.9	12.08
R97	-	34"	-	-	-	-	-	-	-	965.2	22.23	28.58	26.9	12.75
R98	-	36"	-	-	-	-	-	-	-	1022.35	22.23	28.58	26.9	13.51
R99*	-	-	-	-	-	8"	8"	-	-	234.95	11.13	17.46	16	0.95
R100	-	-	26"	-	-	-	-	-	-	749.3	28.58	36.51	35.1	16.79
R101	-	-	28"	-	-	-	-	-	-	800.1	31.75	39.68	38.1	21.83
R102	-	-	30"	-	-	-	-	-	-	857.25	31.75	39.68	38.1	23.39
R103	-	-	32"	-	-	-	-	-	-	914.4	31.75	39.68	38.1	24.95
R104	-	-	34"	-	-	-	-	-	-	965.2	34.93	44.45	41.4	31.49
R105	-	-	36"	-	-	-	-	-	-	1022.35	34.93	44.45	41.4	33.35

**BX Ring Type Joint Gaskets - In accordance ASME B16.20 / API 6A**

RING NO	API 6B FLANGES / API 6A (psi)						OD	HEIGHT	WIDTH	HOLE SIZE	WEIGHT
	2000	3000	5000	10000	15000	20000	(mm)	(mm)	(mm)	(mm)	(kg)
BX150	-	-	-	1.11/16"	1.11/16"	-	72.19	9.3	9.3	1.5	0.134
BX151	-	-	-	1.13/16"	1.13/16"	1.13/16"	76.4	9.63	9.63	1.5	0.153
BX152	-	-	-	2.1/16"	2.1/16"	2.1/16"	84.68	10.24	10.24	1.5	0.193
BX153	-	-	-	2.9/16"	2.9/16"	2.9/16"	100.94	11.38	11.38	1.5	0.287
BX154	-	-	-	3.1/16"	3.1/16"	3.1/16"	116.84	12.4	12.4	1.5	0.398
BX155	-	-	-	4.1/16"	4.1/16"	4.1/16"	147.96	14.22	14.22	1.5	0.555
BX156	-	-	-	7.1/16"	7.1/16"	7.1/16"	237.92	18.62	18.62	3	1.882
BX157	-	-	-	9"	9"	9"	294.46	20.98	20.98	3	2.977
BX158	-	-	-	11"	11"	11"	352.04	23.14	23.14	3	4.364
BX159	-	-	-	13.5/8"	13.5/8"	13.5/8"	426.72	25.7	25.7	3	6.55
BX160	-	-	13.5/8"	-	-	-	402.59	23.83	13.74	3	3.068
BX161	-	-	16.3/4"	-	-	-	491.41	28.07	16.21	3	5.35
BX162	-	-	16.3/4"	16.3/4"	-	-	475.49	14.22	14.22	1.5	1.99
BX163	-	-	18.3/4"	-	-	-	556.16	30.1	17.37	3	6.534
BX164	-	-	-	18.3/4"	18.3/4"	-	570.56	30.1	24.59	3	9.545
BX165	-	-	21.1/4"	-	-	-	624.71	32.03	18.49	3	8.76
BX166	-	-	-	21.1/4"	-	-	640.03	32.03	26.14	3	12.82
BX167	26.3/4"	-	-	-	-	-	759.36	35.86	13.11	1.5	8.53
BX168	-	26.3/4"	-	-	-	-	765.25	35.86	16.05	1.5	11.14
BX169	-	-	-	5.1/8"	-	-	173.51	15.85	12.93	1.5	0.73
BX170	-	-	-	6.5/8"	6.5/8"	-	218.03	14.22	14.22	1.5	1.03
BX171	-	-	-	8.9/16"	8.9/16"	-	267.44	14.22	14.22	1.5	1.24
BX172	-	-	-	11.5/32"	11.5/32"	-	333.07	14.22	14.22	1.5	1.56
BX303	30"	30"	-	-	-	-	852.75	37.95	16.97	1.5	-

Also available SBX RTJ gaskets to API 17D for Subsea Applications.

## RX Ring Type Joint Gaskets - In accordance ASME B16.20 / API 6A

RING NO	API 6B FLANGES / API 6A (psi)				OD	HEIGHT	WIDTH	HOLE SIZE	WEIGHT
	2000	2900	3000	5000	(mm)	(mm)	(mm)	(mm)	(kg)
RX20	1.1/2"	-	1.1/2"	1.1/2"	76.2	19.05	8.4	-	0.24
RX23	2.1/16"	-	-	-	93.27	25.4	11.91	-	0.52
RX24	-	-	2.1/16"	2.1/16"	105.97	25.4	11.91	-	0.6
RX25	-	-	-	3.1/8"	109.55	19.05	8.74	-	0.65
RX26	2.1/2" - 2.9/16"	-	-	-	111.91	25.4	11.91	-	0.68
RX27	-	-	2.1/2" - 2.9/16"	2.1/2" - 2.9/16"	118.26	25.4	119.91	-	0.68
RX31	3" - 3.1/8"	-	3" - 3.1/8"	-	134.54	25.4	11.91	-	0.78
RX35	-	-	-	3" - 3.1/8"	147.24	25.4	11.91	-	0.86
RX37	4" - 4.1/16"	-	4" - 4.1/16"	-	159.94	25.4	11.91	-	0.95
RX39	-	-	-	4" - 4.1/16"	172.64	25.4	11.91	-	1.03
RX41	5" - 5.1/8"	-	5" - 5.1/8"	-	191.69	25.4	11.91	-	1.15
RX44	-	-	-	5" - 5.1/8"	204.39	25.4	11.91	-	1.23
RX45	6" - 7.1/16"	-	6" - 7.1/16"	-	221.84	25.4	11.91	-	1.34
RX46	-	-	-	6" - 7.1/16"	222.25	28.58	13.49	-	1.66
RX47	-	-	-	8"	245.26	41.28	19.84	-	3.88
RX49	8" - 9"	-	8" - 9"	-	280.59	25.4	11.91	-	1.72
RX50	-	-	-	8" - 9"	283.36	31.75	16.66	-	2.43
RX53	10" - 11"	-	10" - 11"	-	334.57	25.4	11.91	-	2.06
RX54	-	-	-	10" - 11"	337.34	31.75	16.66	-	2.92
RX57	12" - 13 5/8"	-	12" - 13 5/8"	-	391.72	25.4	11.91	-	2.42
RX63	-	-	-	14"	441.73	50.8	27	-	11.96
RX65	16" - 16 3/4"	-	-	-	480.62	25.4	11.91	-	3
RX66	-	-	16" - 16.3/4"	-	457.99	31.75	16.66	-	4.26
RX69	18"	-	-	-	544.12	25.4	11.91	-	3.41
RX70	-	-	18"	-	550.06	41.28	19.84	-	9.15
RX73	20" - 21.1/4"	-	-	-	596.11	31.75	13.49	-	5.27
RX74	-	-	20" - 20.3/4"	-	600.86	41.28	19.84	-	10.01
RX82	-	1"	-	-	67.87	25.4	11.91	1.5	0.36
RX84	-	1.1/2"	-	-	74.22	25.4	11.91	1.5	0.4
RX85	-	2"	-	-	90.09	25.4	13.49	1.5	0.4
RX86	-	2.1/2"	-	-	103.58	28.58	15.09	2.3	0.81
RX87	-	3"	-	-	113.11	28.58	15.09	2.3	0.9
RX88	-	4"	-	-	139.29	31.75	17.48	3	1.46
RX89	-	3.1/2"	-	-	129.77	31.75	18.26	3	3.1
RX90	-	5"	-	-	174.63	44.45	19.84	3	7.75
RX91	-	10"	-	-	286.94	45.24	30.18	3	1.5
RX99	8"	-	8"	-	245.67	25.4	11.91	-	2.2
RX201	-	-	-	1.3/8"	51.46	11.3	5.74	-	0.1
RX205	-	-	-	1.13/16"	62.31	11.1	5.56	-	0.13
RX210	-	-	-	2.9/16"	97.64	19.05	9.53	-	0.35
RX215	-	-	-	4.1/16"	140.89	25.4	11.91	-	0.8

Also available SRX RTJ gasket for Subsea Applications.

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## IX Ring Joint Gaskets for Compact Flanges

In accordance Norsok L-005.

NOMINAL SIZE		SEAL RING	ID	OD	Height	WEIGHT
DN	NPS	IX SIZE	(mm)	(mm)	(mm)	(kg)
15	1/2"	IX15	22.2	30.2	10	0.02
20	3/4"	IX20	27.2	35.2	10	0.03
25	1"	IX25	34.2	42.2	10	0.03
40	1.1/2"	IX40	49.3	58.2	10.6	0.05
50	2"	IX50	61.3	71.1	11.8	0.08
65	2.1/2"	IX65	74.4	85	13	0.12
80	3"	IX80	89.5	101	14.2	0.17
100	4"	IX100	115.7	128.8	16.2	0.28
125	5"	IX125	142	156.8	17.9	0.42
150	6"	IX150	170.2	186.7	19.6	0.62
200	8"	IX200	220.5	238.5	22.4	0.99
250	10"	IX250	274.9	298.4	25.2	1.85
300	12"	IX300	325	347.4	27.1	2.18
350	14"	IX350	357.1	380.3	28.5	2.6
400	16"	IX400	409.3	434.3	30.5	3.43
450	18"	IX450	459.4	486.2	32.3	4.38
500	20"	IX500	511.6	539.2	34.1	5.27
550	22"	IX550	561.7	591.2	35.7	6.48
600	24"	IX600	611.9	642.2	37.3	7.55
650	26"	IX650	664	695.2	38.8	8.74
700	28"	IX700	714.1	747.2	40.2	10.4
750	30"	IX750	766.3	800.2	41.7	11.8
800	32"	IX800	816.4	851.2	43	13.3
850	34"	IX850	866.6	902.2	44.3	14.8
900	36"	IX900	918.7	956.2	45.6	17.1
950	38"	IX950	968.8	1007.2	46.9	18.9
1000	40"	IX1000	1021	1060.2	48.1	20.9
1050	42"	IX1050	1071.1	1111.3	49.3	23
1100	44"	IX1100	1121.3	1162.3	50.4	25.1
1150	46"	IX1150	1173.4	1215.3	51.6	27.5
1200	48"	IX1200	1223.6	1266.3	52.7	29.9

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