



Ring Joint Gaskets

Dimension



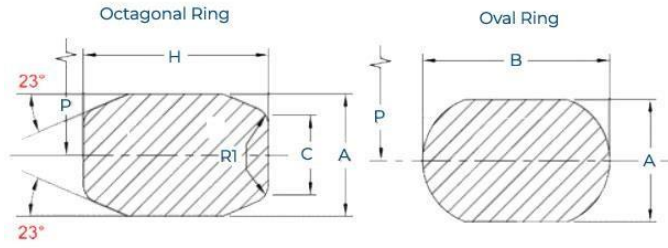
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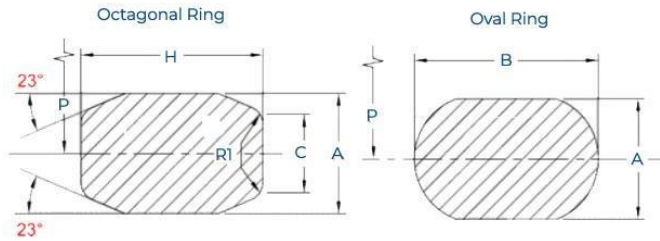
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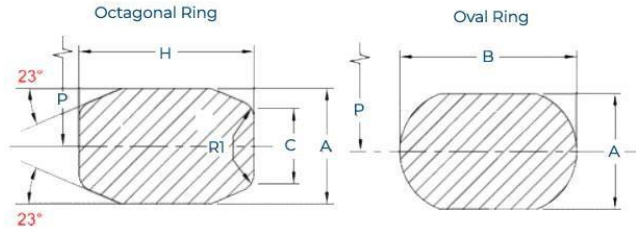
أبعاد حشيات حلقة الوصل Ring Joint Gaskets Dimensions

R No	Dia P	Width A	Height		Oct C	Oct R1	NPS CL
			Oval B	Oct H			
R 11	34.14	6.35	11.2	9.7	4.32	1.5	1/2 300 600
R 12	39.7	7.95	14.2	12.7	5.23	1.5	1/2 900 1500
R 13	42.88	7.95	14.2	12.7	5.23	1.5	3/4 300 600 1/2 2500
R 14	44.45	7.95	14.2	12.7	5.23	1.5	3/4 900 1500
R 15	47.63	7.95	14.2	12.7	5.23	1.5	1 150
R 16	50.8	7.95	14.2	12.7	5.23	1.5	1 300 1500 3/4 2500
R 17	57.15	7.95	14.2	12.7	5.23	1.5	1.1/4 150
R 18	60.33	7.95	14.2	12.7	5.23	1.5	1.1/4 300 1500 1 2500
R 19	65.1	7.95	14.2	12.7	5.23	1.5	1.1/2 150
R 20	68.28	7.95	14.2	12.7	5.23	1.5	1.1/2 300 1500
R 21	72.24	11.13	17.5	16	7.75	1.5	1.1/4 2500

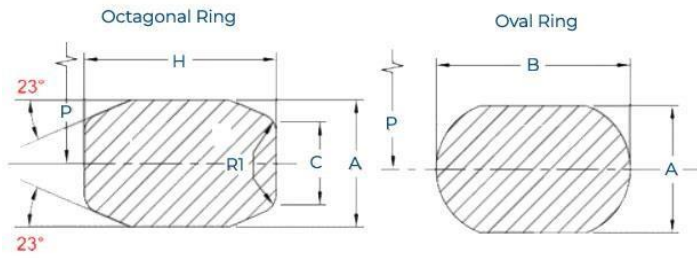


RTJ Ring and Type R Ring Gasket are available in sizes reaching 20,000 PSI

R No	Dia P	Width A	Height		Oct C	Oct R1	NPS CL
			Oval B	Oct H			
R 22	82.55	7.95	14.2	12.7	5.23	1.5	2 150
R 23	82.55	11.13	17.5	16	7.75	1.5	2 300 600 1.1/2 2500
R 24	95.25	11.13	17.5	16	7.75	1.5	2 900 1500
R 25	101.6	7.95	14.2	12.7	5.23	1.5	2.1/2 150
R 26	101.6	11.13	17.5	16	7.75	1.5	2.1/2 300 600 2 2500
R 27	107.95	11.13	17.5	16	7.75	1.5	2.1/2 900 1500
R 28	111.13	12.7	19.1	17.5	8.66	1.5	2.1/2 2500
R 29	114.3	7.95	14.2	12.7	5.23	1.5	3 150
R 30	117.48	11.13	17.5	16	7.75	1.5	3 300 600
R 31	123.83	11.13	17.5	16	7.75	1.5	3 300 900
R 32	127	12.7	19.1	17.5	8.66	1.5	3 2500
R 33	131.78	7.95	14.2	12.7	5.23	1.5	3.1/2 150

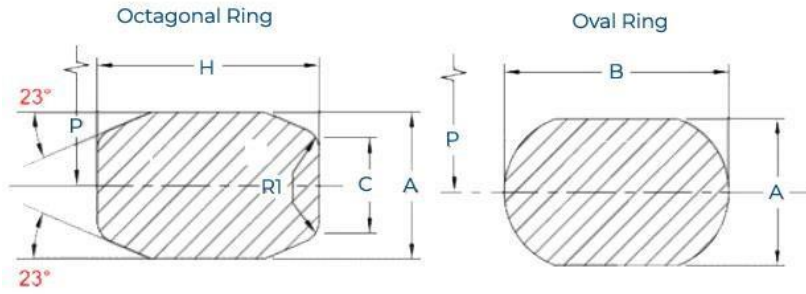


R No	Dia P	Width A	Height		Oct C	Oct R1	NPS CL
			Oval B	Oct H			
R 34	131.78	11.13	17.5	16	7.75	1.5	3.1/2 300 600
R 35	136.53	11.13	17.5	16	7.75	1.5	3 1500
R 36	149.23	7.95	14.2	12.7	5.23	1.5	4 150
R 37	149.23	11.13	17.5	16	7.75	1.5	4 300 900
R 38	157.18	15.88	22.4	20.6	10.49	1.5	4 2500
R 39	161.93	11.13	17.5	16	7.75	1.5	4 1500
R 40	171.45	7.95	14.2	12.7	5.23	1.5	5 150
R 41	180.98	11.13	17.5	16	7.75	1.5	5 300 900
R 42	190.5	19.05	25.4	23.9	12.32	1.5	5 2500
R 43	193.68	7.95	14.2	12.7	5.23	1.5	6 150
R 44	193.68	11.13	17.5	16	7.75	1.5	5 1500
R 45	211.15	11.13	17.5	16	7.75	1.5	6 300 900
R 46	211.15	12.7	19.1	17.5	8.66	1.5	6 1500



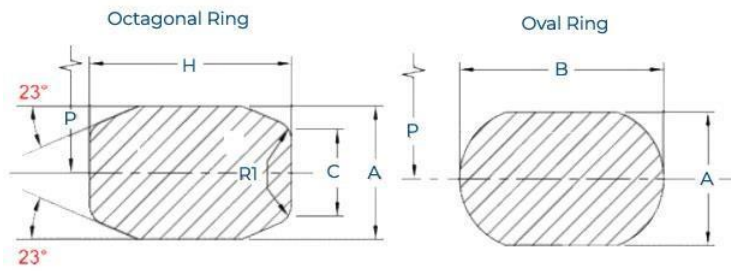
Ring Type Joint Gasket sizes are available in oval designs

R No	Dia P	Width A	Height		Oct C	Oct R1	NPS CL
			Oval B	Oct H			
R 47	228.6	19.05	25.4	23.9	12.32	1.5	6 2500
R 48	247.65	7.95	14.2	12.7	5.23	1.5	8 150
R 49	269.88	11.13	17.5	16	7.75	1.5	8 300 900
R 50	269.88	15.88	22.4	20.6	10.49	1.5	8 1500
R 51	279.4	22.23	28.7	26.9	14.81	1.5	8 2500
R 52	304.8	7.95	14.2	12.7	5.23	1.5	10 150
R 53	323.85	11.13	17.5	16	7.75	1.5	10 300 900
R 54	323.85	15.88	22.4	20.6	10.49	1.5	10 1500
R 55	342.9	28.58	36.6	35.1	19.81	2.3	10 2500
R 56	381	7.95	14.2	12.7	5.23	1.5	12 150
R 57	381	11.13	17.5	16	7.75	1.5	12 300 900
R 58	381	22.23	28.7	26.9	14.81	1.5	12 1500
R 59	396.88	7.95	14.2	12.7	5.23	1.5	14 150

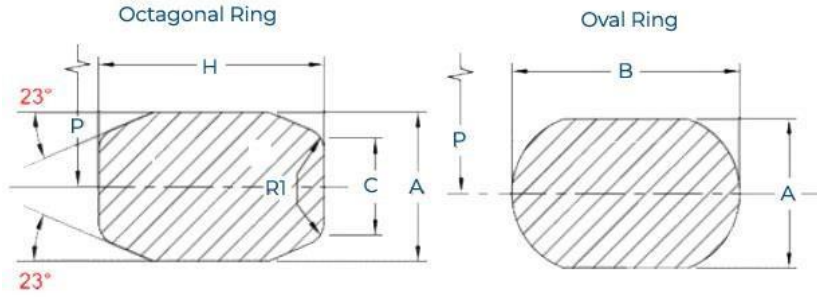


Check Class 150-2500 RTJ Ring Gasket Dimensions as per ASME B16. 20 and API 6A standards

R No	Dia P	Width A	Height		Oct C	Oct R1	NPS CL
			Oval B	Oct H			
R 60	406.4	31.75	39.6	38.1	22.33	2.3	12 2500
R 61	419.1	11.13	17.5	16	7.75	1.5	14 300 600
R 62	419.1	15.88	22.4	20.6	10.49	1.5	14 900
R 63	419.1	25.4	33.3	31.8	17.3	2.3	14 1500
R 64	454.03	7.95	14.2	12.7	5.23	1.5	16 150
R 65	469.9	11.13	17.5	16	7.75	1.5	16 300 600
R 66	469.9	15.88	22.4	20.6	10.49	1.5	16 900
R 67	469.9	28.58	36.6	35.1	19.81	2.3	16 1500
R 68	517.53	7.95	14.2	12.7	5.23	1.5	18 150
R 69	533.4	11.13	17.5	16	7.75	1.5	18 300 600
R 70	533.4	19.05	25.4	23.9	12.32	1.5	18 900
R 71	533.4	28.58	36.6	35.1	19.81	2.3	18 1500
R 72	558.8	7.95	14.2	12.7	5.23	1.5	20 150



R No	Dia P	Width A	Height		Oct C	Oct R1	NPS CL
			Oval B	Oct H			
R 73	584.2	12.7	19.1	17.5	8.66	1.5	20 300 600
R 74	584.2	19.05	25.4	23.9	12.32	1.5	20 900
R 75	584.2	31.75	39.6	38.1	22.33	2.3	20 1500
R 76	673.1	7.95	14.2	12.7	5.23	1.5	24 150
R 77	692.15	15.88	22.4	20.6	10.49	1.5	24 300 600
R 78	692.15	25.4	33.3	31.8	17.3	2.3	24 900
R 79	692.15	34.93	44.5	41.4	24.82	2.3	24 1500



Ring Joint Flange Gasket sizes ranging from R11 to R105

R No	Dia P	Width A	Height		Oct C	Oct R1	NPS CL
			Oval B	Oct H			
R 93	749.3	19.05		23.9	12.32	1.5	26 300 600
R 94	800.1	19.05		23.9	12.32	1.5	28 300 600
R 95	857.25	19.05		23.9	12.32	1.5	30 300 600
R 96	914.4	22.23		26.9	14.81	1.5	32 300 600
R 97	965.2	22.23		26.9	14.81	1.5	34 300 600
R 98	1022.35	22.23		26.9	14.81	1.5	36 300 600
R 100	749.3	28.58		35.1	19.81	2.3	26 900
R 101	800.1	31.75		38.1	22.33	2.3	28 900
R 102	857.25	31.75		38.1	22.33	2.3	30 900
R 103	914.4	31.75		38.1	22.33	2.3	32 900
R 104	965.2	34.93		41.4	24.82	2.3	34 900
R 105	1022.35	34.93		41.4	24.82	2.3	36 900



What is the inspection method of ring joint gaskets dimensions?

These components get employed in industries that operate under high pressure and temperature. The inspection method for ring joint gaskets ensures that the gasket gets installed correctly. The conveying flanges move down a specified path along the inspection station. This station can detect the proper installation for all rtj gaskets types, offering protection from system failure. Moreover, any improper positioning gets rectified via lateral displacement to ensure precise ring joint dimensions.

Flange-based applications must check for defects in gasket installation. The inspection method lets you do it without complicated electrical and mechanical tools. It also allows you to select the correct rtj gasket dimensions for your application by assessing the vital metrics of the gasket. They include the inside and outside diameters, thickness, and dimensions of the ring.

How can you measure rtj ring size?

These gaskets get manufactured in different styles. For instance, the R type uses oval and octagonal sections and flanges with trapezoid-shaped grooves. Types RX and BX have bevelled edges and are suitable for higher pressures.

You can find the appropriate component with an rtj gasket size chart pdf. These tables use the inside and outside diameters, the thickness, and the dimensions of the centring ring.

The sizes are standard based on these metrics, and you can refer to an rtj ring size chart for selection. You can also use permitted variations based on the specification.



While assessing the size, it is crucial that the ring joint gasket material matches that of the flange. Note that it should have lower hardness so that the gasket fits within the groove. It will ensure that the mating flanges securely bolt together and don't get deformed upon tightening.

How do you calculate rtj gasket torque chart?

A torque chart helps you understand the torque or twisting force applied while tightening the nut manually or with a wrench. The resulting axial force stretches the bolt and raises the load on the rtj ring type joint. It gets calculated based on the nominal bolt diameter (d), a nut factor (k) to account for friction, and the bolt pre-load (f).

$$\text{Torque} = (k \times d \times f) / 1000$$

You may have to use hydraulic tensioning in the ring type joint gasket for uniformity – especially if the diameter is too high. But generally, the bolt gets tightened three times at 30%, 70%, and 100% of the torque.

Be wary that the actual results may vary slightly from the rtj ring gasket size chart based on actual conditions. For instance, you may calibrate the equipment differently, or the quality of the nut and flange may not be perfect. The bolting process introduces some inevitable variation in the components.

RTJ Gasket thickness available at 0.175" (4.5mm)

What is the difference between gasket ring type joint style R vs style BX?

These two are the most common styles of gaskets you will find



in petrochemical, oil and gas industries, and heat exchangers. The BX-type gasket ring type joint relies on a metal-to-metal seal and adheres to API 6A standards. They work perfectly in high-pressure environments up to 20,000 psi, the efficiency improving with the stress. BX rtj ring types also have a relief hole on the faces to ensure equal pressure.

In contrast, the R style uses oval or octagonal cross-sections and conforms to API 6A and ASME B16.20 standards. The rtj ring dimensions vary across the styles. The R type can withstand pressures up to 5000 psi or more. These components get preferred in valve covers. An rtj gasket type d delivers high performance and robustness for demanding applications.

What is the installation procedure of metallic ring joint gasket?

A ring-type joint gasket gets installed in the ring groove (trapezoidal) on the flange akin to a semi-self-tightening mechanism. While installing the ring type gasket, you will tighten the bolt, producing axial compression. The gasket gets attached to grooves and creates a strong seal. Eventually, the rtj insulation gasket expands radially due to the medium pressure. It makes the components fit more tightly into the groove.

It is vital to note that excessive pressure will deform the flange and the bolt. You will experience poor sealing. Installing a metallic ring joint gasket with caution is imperative for the best performance. The optimal pressure applied during installation ensures overall system performance and creates a long-lasting seal.

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