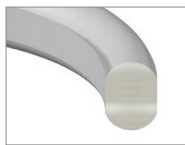


Materials	Temp. Range
Stainless Steel 304	-200°C to 460°C
Stainless Steel 316	-200°C to 420°C
Low Carbon Steel	-100°C to 500°C
Soft Iron	-100°C to 500°C
Bokure™ Urethane	-30°C to 110°C

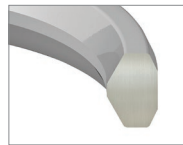
\*Stainless steel 316 and 304 can exceed their continuous operating temperatures, up to 760°C, for short-term intervals. However, this may result in inter-granular corrosion. For more information, please consult a Hi-Tech Seals representative.



R Oval



R Octagonal



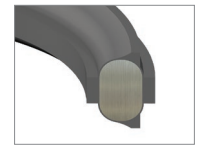
RX



BX



Urethane  
Test Gasket

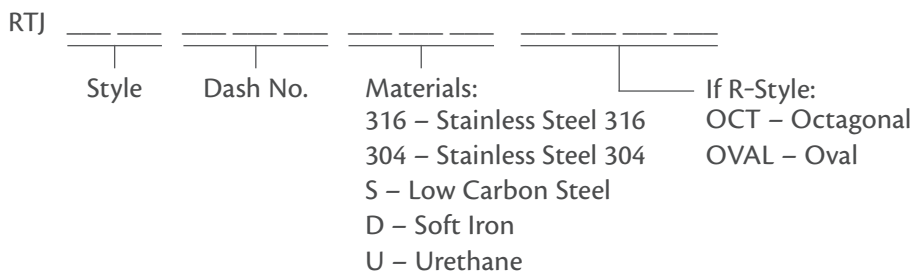


Rubber Coated  
Test Gasket

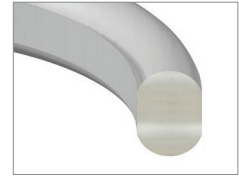
## Product Description

Hi-Tech Seals stocks ring type joint gaskets in R oval, R octagonal, RX, and BX styles. Dimensions for ring type joint gaskets are in accordance to ASTM B16.20, API 6A, and ASME B16.5/B16.20. In addition, we stock valve test gaskets in urethane and rubber coated styles.

## Part Numbers:



**Example:** RTJ R20 316 OVAL – Ring Type Joint Gasket, R Style, Size 20, Stainless Steel 316, Oval profile



R Oval

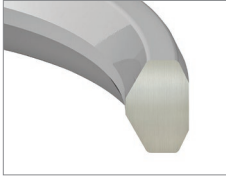


R Octagonal

R series ring type joint gaskets are available in oval and octagonal designs. The oval design can be used in older round bottom gland designs, while both can be used in a flat bottom design. R series operate up to 10,000 PSI.

Pipe Size	Ring Number at Pressure Rating						
	150	300	400	600	900	1500	2500
1/2	–	R11	–	R11	R12	R12	R13
3/4	–	R13	–	R13	R14	R14	R16
1	R15	R16	–	R16	R16	R16	R18
1 1/4	R17	R18	–	R18	R18	R18	R21
1 1/2	R19	R/RX20	–	R/RX20	R/RX20	R/RX20	R/RX23
2	R22	R/RX23	–	R/RX23	R/RX24	R/RX24	R/RX26
2 1/2	R/RX25	R/RX26	–	R/RX26	R/RX27	R/RX27	R28
3	R29	R/RX31	–	R/RX31	R/RX31	R/RX35	R32
3 1/2	R33	R34	–	R34	–	–	–
4	R36	R/RX37	R/RX37	R/RX37	R/RX37	R/RX39	R38
5	R40	R/RX41	R/RX41	R/RX41	R/RX41	R/RX44	R42
6	R43	R/RX45	R/RX45	R/RX45	R/RX45	R/RX46	R/RX47
8	R48	R/RX49	R/RX49	R/RX49	R/RX49	R/RX50	R51
10	R52	R/RX53	R/RX53	R/RX53	R/RX53	R/RX54	R55
12	R56	R/RX57	R/RX57	R/RX57	R/RX57	R58	R60
14	R59	R61	R61	R61	R62	R/RX63	–
16	R64	R/RX65	R/RX65	R/RX65	R/RX66	R67	–
18	R68	R/RX69	R/RX69	R/RX69	R/RX70	R71	–
20	R72	R/RX73	R/RX73	R/RX73	R/RX74	R75	–
24	R76	R77	R77	R77	R78	R79	–

## RX Series



RX

RX series are interchangeable with R series octagonal gaskets designed for API 6B flanges. RX outperform R series in situations that have higher pressures and more intense vibrations. RX gaskets operate up to 15,000 PSI.

### Model R and RX (For flanges in accordance with API spec 6A, model 6B)

Pipe Size	Ring Number at Class Rating		
	2000	3000	5000
2 1/6	R/RX23	R/RX24	R/RX24
2 9/16	R/RX26	R/RX27	R/RX27
3 1/8	R/RX31	R/RX31	R/RX35
4 1/16	R/RX37	R/RX37	R/RX39
5 1/8	R/RX41	R/RX41	R/RX44
7 1/16	R/RX45	R/RX45	R/RX46
9	R/RX49	R/RX49	R/RX50
11	R/RX53	R/RX53	R/RX54
13 5/8	R/RX57	R/RX57	–
16 3/4	R/RX65	R/RX66	–
20 3/4	–	R/RX74	–
21 1/4	R/RX73	–	–

### Model R or RX (For flanges in accordance with ASME B16.47 series A (MSS-SP44))

Pipe Size	Ring Number at Class Rating	
	300-600	900
26	R93	R100
28	R94	R101
30	R95	R102
32	R96	R103
34	R97	R104
36	R98	R105



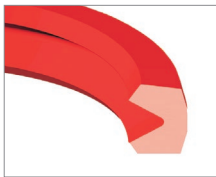
BX

BX series ring type joint gaskets feature a pressure relief vent and are designed for API 6BX flanges reaching pressures up to 15,000 PSI.

### Model BX

Pipe Size	Ring Number at Pressure Rating (PSI)					
	2000	3000	5000	10000	15000	20000
1 11/16	-	-	-	BX150	BX150	-
1 13/16	-	-	-	BX151	BX151	BX151
2 1/16	-	-	-	BX152	BX152	BX152
2 9/16	-	-	-	BX153	BX153	BX153
3 1/16	-	-	-	BX154	BX154	BX154
4 1/16	-	-	-	BX155	BX155	BX155
5 1/8	-	-	-	BX169	BX169	-
7 1/16	-	-	-	BX156	BX156	BX156
9	-	-	-	BX157	BX157	BX157
11	-	-	-	BX158	BX158	BX158
13 5/8	-	-	BX160	BX159	BX159	BX159
16 3/4	-	-	BX162	BX162	-	-
18 3/4	-	-	BX163	BX164	BX164	-
21 1/4	-	-	BX165	BX166	-	-
26 3/4	BX167	BX168	-	-	-	-
30	BX303	BX303	-	-	-	-

## Urethane Test Gasket



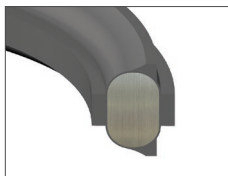
## Product Description

Urethane ring type joint gaskets (RTJU) are manufactured from Bokure™ urethane. Our RTJUs are a non-damaging method for testing a flange before use. The uniquely shaped profile energizes the seal in the groove under pressure, retrofitting into R or BX ring type joint gasket grooves. Our RTJU test gaskets can be re-used for multiple test runs, at pressures up to 15,000 PSI. Under ideal flange, installation, and test conditions, clients have reported exceeding 100 successful test runs.

- Non-damaging method for testing gland before use
- Suitable for water and nitrogen pressure tests
- Temperature range from -30°C to 110°C (-22°F to 230°F)

Available for classes 150#, 300#, 400#, 600#, 900#, 1500# and 2500#.

## Rubber Coated Test Gaskets



Rubber coated ring type joint test gaskets are used to test flanges before service. The rubber coating avoids potentially damaging metal-to-metal contact. Rubber coated test gaskets are an economical option over the urethane test gaskets when numerous tests are not required. With proper handling, rubber coated test gaskets can be used several times.