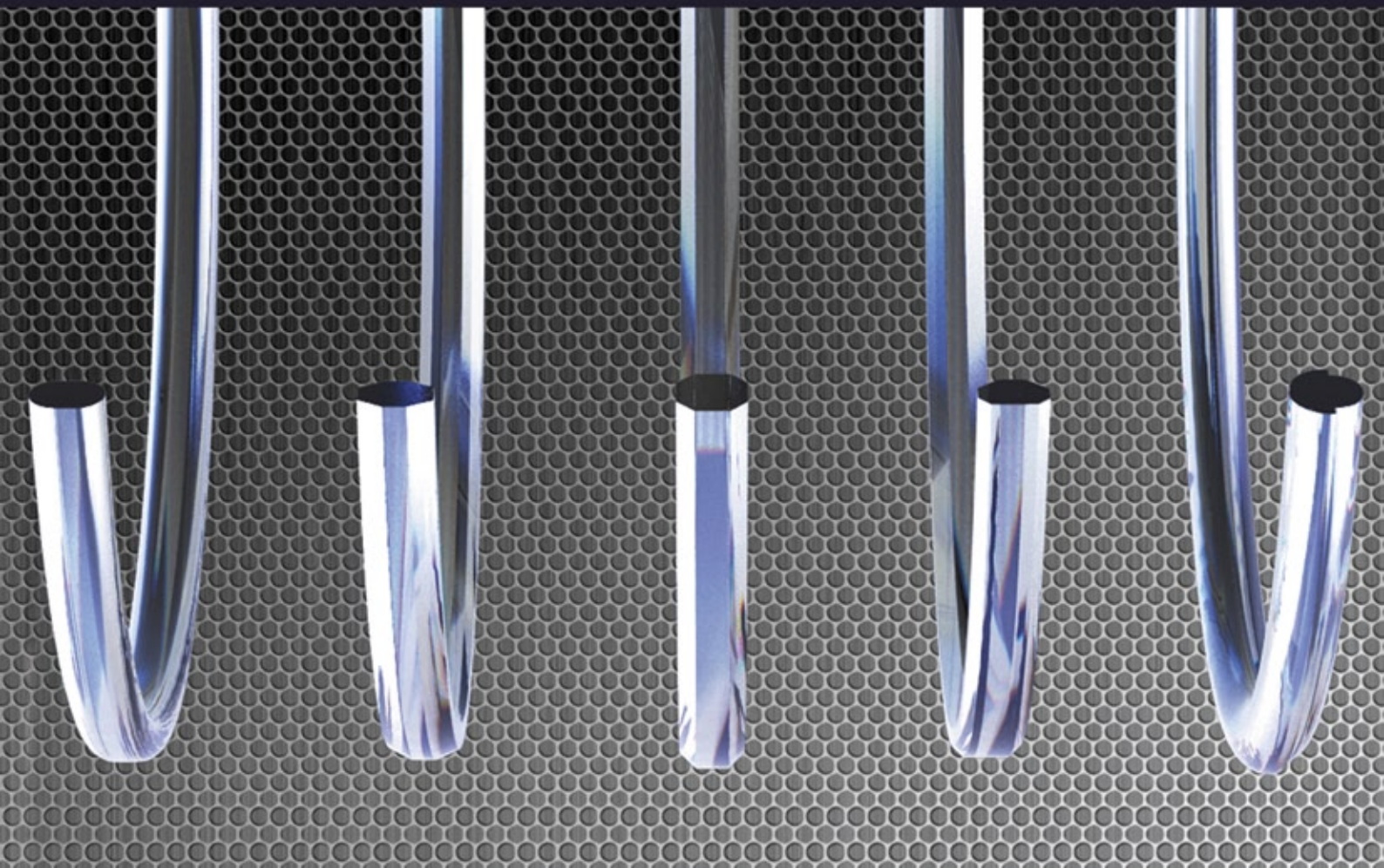




MOSA

R T J Gaskets





Offshore Seals (Asia) Pte Ltd was incorporated in 1996 to manufacture specialized seals and precision metal components for the oil & gas industry as well as for a broad range of industrial applications.

We have invested in a state-of-the-art production facility to ensure that most advanced technologies are used in the production of Precision Metal Components and Ring Joint Gaskets. We manufacture a complete range of Ring Joint Gaskets according to API 6A & 17D standards. Manufactured API 6A types are R (oval & octagonal profiles), RX, BX and API 17D Subsea Ring Joint Gaskets types are SRX and SBX.

Dedication and commitment to utilize the best technologies to achieve highest quality standards has been Offshore Seals culture since its very inception. Stringent quality control measures are followed right from receiving the raw material to the final packaging and shipping and maintenance of material traceability records. Our quality assurance does not end with the shipment and Offshore Seals ensures that the products its customers receive are as per their requirement and meet or exceed expected quality requirements.

Please visit our websites www.rtg.com.sg and www.offshoreseals.com or email us at sales@offshoreseals.com for more details on our products and services.



R-Oval Type: Standard ring joint gasket with oval cross section and designed for flanges with standard ring joint grooves. Available from R11 to R79 & R92.

R-Octagonal: Standard ring joint gasket with octagonal type cross section and designed for flanges with standard ring joint grooves. Interchangeable with oval section gaskets on modern octagonal grooved flanges. Available from R11 to R105.

RX-Type: An adaptation of the standard R type gasket and designed to fit the same groove design. It is interchangeable with standard R type gaskets. Available from RX20 to RX215.

BX-Type: Specially designed for very high pressures. All BX gaskets incorporate a pressure balance hole to ensure equalization of pressure which may get trapped in the grooves. It is only suited for API BX flanges and grooves. Available from BX150 to BX303.

SRX: Similar to the RX style gasket with special vent holes to allow water to escape in subsea applications.

SBX: Similar to the BX style gasket with special vent holes to allow water to escape in subsea applications.



PRESSURE CLASS RATINGS

Model R or RX

For Flanges in accordance with ASME B16.5 and BS 1560

Nominal Size (Inches)	Ring Number at pressure (psi)						
	150	300	400	600	900	1500	2500
1/2	-	R11	-	R11	-	R12	R13
3/4	-	R13	-	R13	-	R14	R16
1	R15	R16	-	R16	-	R16	R18
1 1/4	R17	R18	-	R18	-	R18	R21
1 1/2	R19	R/RX20	-	R/RX20	-	R/RX20	R/RX23
2	R22	R/RX23	-	R/RX23	-	R/RX24	R/RX26
2 1/2	R/RX25	R/RX26	-	R/RX26	-	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	R53	R/RX53	R/RX53	R/RX53	R/RX53	R/RX54	R55
12	R56	R/RX57	R/RX57	R/RX57	R/RX57	R/RX58	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	-

Model R or RX

For Flanges in accordance with API Spec 6A, model 6B

Nominal Size (Inches)	Ring Number at pressure (psi)		
	2000	3000	5000
2 1/16	R/RX23	R/RX23	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 SBX

For 17SV Flanges As per API Spec 17D

Nominal Size (Inches)	Ring Number at pressure (psi)	
	5000	10000
1 13/16	-	SBX151
2 1/16	SBX152	SBX152
2 9/16	SBX153	SBX153
3 1/8	SBX154	-
3 1/16	-	SBX154
4 1/16	SBX155	SBX155
5 1/8	SBX169	SBX169
7 1/16	SBX156	SBX156
9	SBX157	SBX157
11	SBX158	SBX158
13 5/8	-	SBX159

Model R or RX

For Flanges in accordance with ASME B16.47 series A (MSS-SP44)

Nominal Size (Inches)	Ring Number at pressure (psi)	
	300-600	900
12	R/RX57	R/RX57
14	R61	R62
16	R/RX65	R/RX66
18	R/RX69	R/RX70
20	R/RX73	R/RX74
22	R81	-
24	R77	R78
26	R93	R100
28	R94	R101
30	R95	R102
32	R96	R103
34	R97	R104
36	R98	R105

Model BX

For Flanges in accordance with API Spec 6A , model 6BX

Nominal Size (Inches)	Ring Number at pressure (psi)					
	2000	3000	5000	10000	15000	20000
1 11/16	-	-	-	-	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	-	-	-	BX159	BX157	BX157
11	-	-	-	BX158	BX158	BX158
13 5/8	-	-	BX160	BX159	BX159	BX159
16 3/4	-	-	BX162	BX162	-	-
18 3/4	-	-	BX163	BX164	BX164	BX164
21 1/4	-	-	BX165	BX166	-	-
26 3/4	BX167	BX168	-	-	-	-
30	BX303	BX303	-	-	-	-

Suggested Maximum Service Temperature in Air

Type	Temp °C	Temp °F
Carbon Steel	536	997
304 SS	925	1697
309 SS	1095	2003
310 SS	1150	2102
316 SS	925	1697
321 SS	925	1697
347 SS	925	1697
410 SS	705	1301
430 SS	815	1499
501 SS	649	1200
Alloy 20	815	1499
Aluminum	427	801
Brass	260	500
Copper	260	500
Hastelloy B & C	1095	2003
Inconel 600	1095	2003
Incolloy 800	871	1600
Monel	815	1499
Nickel	760	1400
Phosphor Bronze	260	500
Tantalum	1649	3000
Titanium	1095	2003

Maximum temperature limitations are set by the metals used to construct the gaskets, flanges, pipelines and system apparatus. The presence of contaminating fluids and cyclic conditions reduce the maximum temperatures.

OSA RTJ standard size gaskets are manufactured in accordance with API-6A (Surface well head and Christmas tree equipment) and API-17D (Subsea well head and Christmas tree equipment) specifications. OSA is approved by the American Petroleum Institute as a level 4 supplier.

MANUFACTURED BY



Seals And Beyond ...



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