



Innovations in Fluid Sealing.

GASKET FAILURE CAN CRUSH YOUR BOTTOM LINE ...



"Consolidated Gasket Brochure"



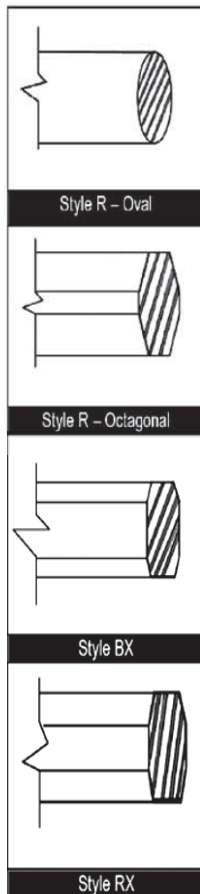
METALLIC GASKET

RING JOINT GASKET



Ring joint gaskets are metallic sealing rings suitable for high pressure and high temperature applications and are fitted in ring groove type flanges. They are widely used in the Oil / Petrochemical industry and in valves and pipe work. Choice of material may be determined to suit higher temperatures and aggressive media. They comply with ASME B16.20 standards and API spec 6A. Ring type Joint Gaskets are designed to seal by "initial line contact" or wedging action between the mating flange and the gasket. By applying pressure on the seal interface through bolt force, the softer metal of the gasket flows into the micro fine structure of the harder flange material, creating a very tight and efficient seal.

STANDARD RING JOINTS



STYLE: R Oval : The contact face is in oval shape. It provides a high reliability seal. These gaskets are manufactured in accordance to API 6A of ASME B16.20 to suit API613 and ASME/ANSI B16.5 Flanges. Fits the round and flat bottom ring groove flange.

STYLE: R - Octagonal : More accurate in dimensions and surface finish than oval type because it consists of straight surfaces only. A higher torque load is required to flow the gasket material into imperfections of the flange facings. These gaskets comply with API6A of ASME B-16.20. to suit API 6B and ASME/ANSI B16.5 Flanges Fits only the modern flat bottom groove flange.

STYLE: BX - The BX type RTJ gaskets are manufactured in accordance with API 6A and are suitable for use in high pressure API 6BX flanges. The gaskets form a metal to metal seal on assembly and the efficiency improves as internal pressure increases. All BX sizes have a pressure relief hole to equalize pressure across sealing faces.

STYLE: RX - The RX type RTJ gasket is manufactured in accordance to API 6A and ASME B16.20 to suit API 6B and ASME/ANSI B16.5 flanges. The RX is a pressure energized version of the R octagonal gasket and fits the R type flat bottomed groove. The RX has an increased height and utilizes the internal system pressure to energize and improve the seal as internal pressure increases. Some RX sizes have a pressure relief hole to equalize pressure on both sides of the sealing faces.

Disclaimer:

All the information available in this catalogue is intended for general guidelines. The user is expected to understand the products well for prior use, suitability and meet appropriate safety and health standards. In view of variety of applications and the operating conditions, we cannot draw the final conclusion about behavior of this product within the catalogue. Inmarco does not make any warranty of any statement of this catalogue and disclaims the liability for incidental and sequential damages rising out of equipment damage, injury or any other complications arising out of the utility of products. Please consult our technical cell for appropriate recommendations.

RING JOINT GASKET R TYPE DIMENSIONAL DATA AS PER ASME B16.20 (Dimensions are in inches)										
Ring No.	Nominal Size	Class	Oval			Octagonal				
			Pitch Dia.	Width	Height	Pitch Dia.	Width	Height	Width of Flat	Radius
R-11	½"	300, 600	1.344	0.250	0.440	1.344	0.250	0.380	0.170	0.06
R-12	½"	900, 1500	1.563	0.313	0.560	1.563	0.313	0.500	0.206	0.06
R-13	¾"	300, 600	1.688	0.313	0.560	1.688	0.313	0.500	0.206	0.06
R-13	½"	2500	1.688	0.313	0.560	1.688	0.313	0.500	0.206	0.06
R-14	¾"	900, 1500	1.750	0.313	0.560	1.750	0.313	0.500	0.206	0.06
R-15	1.0"	150	1.875	0.313	0.560	1.875	0.313	0.500	0.206	0.06
R-16	1.0"	300, 600, 900, 1500	2.000	0.313	0.560	2.000	0.313	0.500	0.206	0.06
R-16	¾"	2500	2.000	0.313	0.560	2.000	0.313	0.500	0.206	0.06
R-17	1 ¼"	150	2.250	0.313	0.560	2.250	0.313	0.500	0.206	0.06
R-18	1 ¼"	300, 600, 900, 1500	2.375	0.313	0.560	2.375	0.313	0.500	0.206	0.06
R-18	1.0"	2500	2.375	0.313	0.560	2.375	0.313	0.500	0.206	0.06
R-19	1 ½"	150	2.563	0.313	0.560	2.563	0.313	0.500	0.206	0.06
R-20	1 ½"	300, 600, 900, 1500	2.688	0.313	0.560	2.688	0.313	0.500	0.206	0.06
R-21	1 ¼"	2500	2.844	0.438	0.690	2.844	0.438	0.630	0.305	0.06
R-22	2.0"	150	3.250	0.313	0.560	3.250	0.313	0.500	0.206	0.06
R-23	2.0"	300, 600	3.250	0.438	0.690	3.250	0.438	0.630	0.305	0.06
R-23	1 ½"	2500	3.250	0.438	0.690	3.250	0.438	0.630	0.305	0.06
R-24	2.0"	900, 1500	3.750	0.438	0.690	3.750	0.438	0.630	0.305	0.06
R-25	2 ½"	150	4.000	0.313	0.560	4.000	0.313	0.500	0.206	0.06
R-26	2 ½"	300, 600	4.000	0.438	0.690	4.000	0.438	0.630	0.305	0.06
R-26	2.0"	2500	4.000	0.438	0.690	4.000	0.438	0.630	0.305	0.06
R-27	2 ½"	900, 1500	4.250	0.438	0.690	4.250	0.438	0.630	0.305	0.06
R-28	2 ½"	2500	4.375	0.500	0.750	4.375	0.500	0.690	0.341	0.06
R-29	3.0"	150	4.500	0.313	0.560	4.500	0.313	0.500	0.206	0.06
R-30	3.0" (1)***	300	4.625	0.438	0.690	4.625	0.438	0.630	0.305	0.06
R-31	3.0"	300, 600, 900	4.875	0.438	0.690	4.875	0.438	0.630	0.305	0.06
R-32	3.0"	2500	5.000	0.500	0.750	5.000	0.500	0.690	0.341	0.06
R-33	3 ½"	150	5.188	0.313	0.560	5.188	0.313	0.500	0.206	0.06
R-34	3 ½"	300, 600	5.188	0.438	0.690	5.188	0.438	0.630	0.305	0.06
R-35	3.0"	1500	5.375	0.438	0.690	5.375	0.438	0.630	0.305	0.06
R-36	4.0"	150	5.875	0.313	0.560	5.875	0.313	0.500	0.206	0.06
R-37	4.0"	300, 600, 900	5.875	0.438	0.690	5.875	0.438	0.630	0.305	0.06
R-38	4.0"	2500	6.188	0.625	0.880	6.188	0.625	0.810	0.413	0.06
R-39	4.0"	1500	6.375	0.438	0.690	6.375	0.438	0.630	0.305	0.06
R-40	5.0"	150	6.750	0.313	0.560	6.750	0.313	0.500	0.206	0.06
R-41	5.0"	300, 600, 900	7.125	0.438	0.690	7.125	0.438	0.630	0.305	0.06
R-42	5.0"	2500	7.500	0.750	0.750	7.500	0.750	0.940	0.485	0.06
R-43	6.0"	150	7.625	0.313	0.560	7.625	0.313	0.500	0.206	0.06
R-44	5.0"	1500	7.625	0.438	0.690	7.625	0.438	0.630	0.305	0.06
R-45	6.0"	300, 600, 900	8.313	0.438	0.690	8.313	0.438	0.630	0.305	0.06
R-46	6.0"	1500	8.313	0.500	0.750	8.313	0.500	0.690	0.341	0.06
R-47	6.0"	2500	9.000	0.750	1.000	9.000	0.750	0.940	0.485	0.06
R-48	8.0"	150	9.750	0.313	0.560	9.750	0.313	0.500	0.206	0.06
R-49	8.0"	300, 600, 900	10.625	0.438	0.690	10.625	0.438	0.630	0.305	0.06
R-50	8.0"	1500	10.625	0.625	0.880	10.625	0.625	0.810	0.413	0.06
R-51	8.0"	2500	11.000	0.875	1.130	11.000	0.875	1.060	0.583	0.06
R-52	10.0"	150	12.000	0.313	0.560	12.000	0.313	0.500	0.206	0.06
R-53	10.0"	300, 600, 900	12.750	0.438	0.690	12.750	0.438	0.630	0.305	0.06
R-54	10.0"	1500	12.750	0.625	0.880	12.750	0.625	0.880	0.413	0.06
R-55	10.0"	2500	13.500	1.125	1.440	13.500	1.125	1.380	0.780	0.09
R-56	12.0"	1500	15.000	0.313	0.560	15.000	0.313	0.500	0.206	0.06
R-57	12.0"	300, 600, 900	15.000	0.438	0.690	15.000	0.438	0.630	0.305	0.06
R-58	12.0"	1500	15.000	0.875	1.130	15.000	0.875	1.060	0.583	0.06
R-59	14.0"	150	15.625	0.313	0.560	15.625	0.313	0.500	0.206	0.06
R-60	12.0"	2500	16.000	1.250	1.560	16.000	1.250	1.500	0.879	0.09
R-61	14.0"	300, 600	16.500	0.438	0.690	16.500	0.438	0.630	0.305	0.06
R-62	14.0"	900	16.500	0.625	0.880	16.500	0.625	0.810	0.413	0.06
R-63	14.0"	1500	16.500	1.000	1.310	16.500	1.000	1.250	0.681	0.09
R-64	16.0"	150	17.875	0.313	0.560	17.875	0.313	0.500	0.206	0.06
R-65	16.0"	300, 600	18.500	0.438	0.690	18.500	0.438	0.630	0.305	0.06
R-66	16.0"	900	18.500	0.625	0.880	18.500	0.625	0.810	0.413	0.06
R-67	16.0"	1500	18.500	1.125	1.440	18.500	1.125	1.380	0.780	0.09
R-68	18.0"	150	20.375	0.313	0.560	20.375	0.313	0.500	0.206	0.06
R-69	18.0"	300, 600	21.000	0.438	0.690	21.000	0.438	0.630	0.305	0.06
R-70	18.0"	900	21.000	0.750	1.000	21.000	0.750	0.940	0.485	0.06
R-71	18.0"	1500	21.000	1.125	1.440	21.000	1.125	1.380	0.780	0.09
R-72	20.0"	150	22.000	0.313	0.560	22.000	0.313	0.500	0.206	0.06
R-73	20.0"	300, 600	23.000	0.500	0.750	23.000	0.500	0.690	0.341	0.06
R-74	20.0"	900	23.000	0.750	1.000	23.000	0.750	0.940	0.485	0.06
R-75	20.0"	1500	23.000	1.250	1.560	23.000	1.250	1.500	0.879	0.09
R-76	24.0"	150	26.500	0.313	0.560	26.500	0.313	0.500	0.206	0.06
R-77	24.0"	300, 600	27.250	0.625	0.880	27.250	0.625	0.810	0.413	0.06
R-78	24.0"	900	27.250	1.000	1.131	27.250	1.000	1.250	0.681	0.09
R-79	24.0"	1500	27.250	1.375	1.750	27.250	1.375	1.630	0.977	0.09

*** R-30 for Lapped Joint Only

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