

RING TYPE JOINT GASKETS – TYPE R

(AS PER ASME B16.20 / API 6A / API 17D)



We at Unifit Metalloys Inc are one of the well-known manufacturers, traders and suppliers of **R Type RTJ GASKETS**. We have developed products for a range of industries over the years. We have a range of products that we develop and design to address the needs of the markets effectively.

Our **R Type RTJ Gaskets** are available in Both Octagonal and Oval Shape to meet the requirements of the customers as per the applications. We are always ready to take that extra step to help our customers in helping them find products that fit their need perfectly. We offer RTJ Gaskets in variety of sizes, thickness, grades, standards and Coatings. Our RTJ Gaskets are available in Stainless Steel, Carbon Steel, Alloy Steel, Titanium, Hastelloy, Inconel, Copper-nickel, Incoloy, Titanium and more.

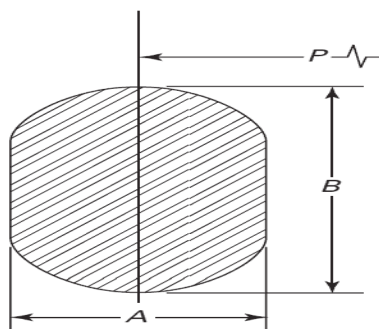
RTJ RINGS HARDNESS & MATERIAL GRADES

Material		DIN	AISI-ASTM	Maximum Hardness	
(Trade Name)	Identification	Material No.	UNS	Brinell	Rockwell B
				HB	HRB
Soft Iron	D	-	-	90	56
Low Carbon Steel	S	-	-	120	68
F5	F5	1.7362	A182FS	130	72
SS 304	S304	1.4301	304	160	83
SS 304L	S304L	1.4306	304L	160	83
SS 309	S309	1.4828	309	160	83
SS 316	S316	1.4401	316	160	83
SS 316L	S316L	1.4404	316L	160	83
SS 316Ti	S316Ti	1.4571	316Ti	160	83
SS 321	S321	1.4541	321	160	83
SS 347	S347	1.455	347	160	83
SS 410	S410	1.4	410	170	86
254SMO	6Mo	1.4547	S31254	180	89
Duplex	2205	14462	S31803/32205	230 approx.	99
Super Duplex	2507	14410	S32750	230 approx.	99
Nickel 200	Ni 200	2.4066	NO2200	110	62
Monel 400	400	2.436	NO4400	150	80
Inconel 600	600	2.4816	NO6600	150	80
Inconel 625	625	2.4856	NO6625	150	80
Incoloy 800	800	1.4876	NO8800	150	80
Incoloy 825	825	2.4858	NO8825	195	92
Hastelloy B2	B2	2.4617	N10665	230	99
Hastelloy C276	C276	2.4819	N10276	210	95
Titanium	Ti2	3.7025	R50400	215 approx.	96

RTJ Gasket Suitable as per the Flange Size

Nominal Pipe Size	Pressure Class							
	ASME B16.5					ASME B16.47 Series A		
	150#	300# - 600#	900#	1500#	2500#	150#	300# - 600#	900#
1/2"	-	R-11	R-12	R-12	R-13	-	-	-
3/4"	-	R-13	R-14	R-14	R-16	-	-	-
1"	R-15	R-16	R-16	R-16	R-18	-	-	-
1-1/4"	R-17	R-18	R-18	R-18	R-21	-	-	-
1-1/2"	R-19	R-20	R-20	R-20	R-23	-	-	-
2"	R-22	R-23	R-24	R-24	R-26	-	-	-
2-1/2"	R-25	R-26	R-27	R-27	R-28	-	-	-
3"	R-29	R-31	R-31	R-35	R-32	-	-	-
3-1/2"	R-33	R-34	R-34	-	-	-	-	-
4"	R-36	R-37	R-37	R-39	R-38	-	-	-
5"	R-40	R-41	R-41	R-44	R-42	-	-	-
6"	R-43	R-45	R-45	R-46	R-47	-	-	-
8"	R-48	R-49	R-49	R-50	R-51	-	-	-
10"	R-52	R-53	R-53	R-54	R-55	-	-	-
12"	R-56	R-57	R-57	R-58	R-60	-	R-57	R-57
14"	R-59	R-61	R-62	R-63	-	-	R-61	R-62
16"	R-64	R-65	R-66	R-67	-	-	R-65	R-68
18"	R-68	R-69	R-70	R-71	-	-	R-69	R-70
20"	R-72	R-73	R-74	R-75	-	-	R-73	R-74
22"	-	-	-	-	-	R-80	R-81	-
24"	R-76	R-77	R-78	R-79	-	-	R-77	R-78
26"	-	-	-	-	-	-	R-93	R-100
28"	-	-	-	-	-	-	R-94	R-101
30"	-	-	-	-	-	-	R-95	R-102
32"	-	-	-	-	-	-	R-96	R-103
34"	-	-	-	-	-	-	R-97	R-104
36"	-	-	-	-	-	-	R-98	R-105

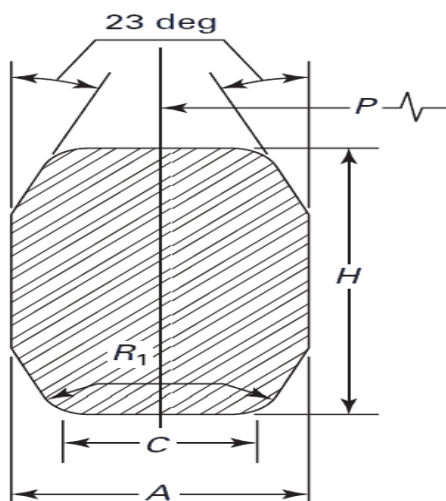
Oval RTJ Gasket Dimensions



Ring No	P-Pitch Dia	A-Width	B-Height Oval Ring
R-11	34.14	6.35	11.2
R-12	39.7	7.95	14.2
R-13	42.88	7.95	14.2
R-14	44.45	7.95	14.2
R-15	47.63	7.95	14.2
R-16	50.8	7.95	14.2
R-17	57.15	7.95	14.2
R-18	60.33	7.95	14.2
R-19	65.1	7.95	14.2
R-20	68.28	7.95	14.2
R-21	72.24	11.13	17.5
R-22	82.55	7.95	14.2
R-23	82.55	11.13	17.5
R-24	95.25	11.13	17.5
R-25	101.6	7.95	14.2
R-26	101.6	11.13	17.5
R-27	107.95	11.13	17.5
R-28	111.13	12.7	19.1
R-29	114.3	7.95	14.2
R-30	117.48	11.13	17.5
R-31	123.83	11.13	17.5
R-32	127	12.7	19.1
R-33	131.78	7.95	14.2
R-34	131.78	11.13	17.5
R-35	136.53	11.13	17.5
R-36	149.23	7.95	14.2
R-37	149.23	11.13	17.5
R-38	157.18	15.88	22.4
R-39	161.93	11.13	17.5
R-40	171.45	7.95	14.2
R-41	180.98	11.13	17.5
R-42	190.5	19.05	25.4
R-43	193.68	7.95	14.2
R-44	193.68	11.13	17.5

R-45	211.15	11.13	17.5
R-46	211.15	12.7	19.1
R-47	228.6	19.05	25.4
R-48	247.65	7.95	14.2
R-49	269.88	11.13	17.5
R-50	269.88	15.88	22.4
R-51	279.4	22.23	28.7
R-52	304.8	7.95	14.2
R-53	323.85	11.13	17.5
R-54	323.85	15.88	22.4
R-55	342.9	28.58	36.6
R-56	381	7.95	14.2
R-57	381	11.13	17.5
R-58	381	22.23	28.7
R-59	396.88	7.95	14.2
R-60	406.4	31.75	39.6
R-61	419.1	11.13	17.5
R-62	419.1	15.88	22.4
R-63	419.1	25.4	33.3
R-64	454.03	7.95	14.2
R-65	469.9	11.13	17.5
R-66	469.9	15.88	22.4
R-67	469.9	28.58	36.6
R-68	517.53	7.95	14.2
R-69	533.4	11.13	17.5
R-70	533.4	19.05	25.4
R-71	533.4	28.58	36.6
R-72	558.8	7.95	14.2
R-73	584.2	12.7	19.1
R-74	584.2	19.05	25.4
R-75	584.2	31.75	39.6
R-76	673.1	7.95	14.2
R-77	692.15	15.88	22.4
R-78	692.15	25.4	33.3
R-79	692.15	34.93	44.5
R-92	228.6	11.13	17.5

Octagonal RTJ Gasket Dimensions



Ring No	P-Pitch Dia	A-Width	H- Height Octagonal Ring	C- Width of Flat on Octagonal Ring	R1 – Radius Octagonal Ring
R-11	34.14	6.35	9.7	4.32	1.5
R-12	39.7	7.95	12.7	5.23	1.5
R-13	42.88	7.95	12.7	5.23	1.5
R-14	44.45	7.95	12.7	5.23	1.5
R-15	47.63	7.95	12.7	5.23	1.5
R-16	50.8	7.95	12.7	5.23	1.5
R-17	57.15	7.95	12.7	5.23	1.5
R-18	60.33	7.95	12.7	5.23	1.5
R-19	65.1	7.95	12.7	5.23	1.5
R-20	68.28	7.95	12.7	5.23	1.5
R-21	72.24	11.13	16	7.75	1.5
R-22	82.55	7.95	12.7	5.23	1.5
R-23	82.55	11.13	16	7.75	1.5
R-24	95.25	11.13	16	7.75	1.5
R-25	101.6	7.95	12.7	5.23	1.5
R-26	101.6	11.13	16	7.75	1.5
R-27	107.95	11.13	16	7.75	1.5
R-28	111.13	12.7	17.5	8.66	1.5
R-29	114.3	7.95	12.7	5.23	1.5
R-30	117.48	11.13	16	7.75	1.5
R-31	123.83	11.13	16	7.75	1.5
R-32	127	12.7	17.5	8.66	1.5
R-33	131.78	7.95	12.7	5.23	1.5
R-34	131.78	11.13	16	7.75	1.5
R-35	136.53	11.13	16	7.75	1.5
R-36	149.23	7.95	12.7	5.23	1.5
R-37	149.23	11.13	16	7.75	1.5
R-38	157.18	15.88	20.6	10.49	1.5

R-39	161.93	11.13	16	7.75	1.5
R-40	171.45	7.95	12.7	5.23	1.5
R-41	180.98	11.13	16	7.75	1.5
R-42	190.5	19.05	23.9	12.32	1.5
R-43	193.68	7.95	12.7	5.23	1.5
R-44	193.68	11.13	16	7.75	1.5
R-45	211.15	11.13	16	7.75	1.5
R-46	211.15	12.7	17.5	8.66	1.5
R-47	228.6	19.05	23.9	12.32	1.5
R-48	247.65	7.95	12.7	5.23	1.5
R-49	269.88	11.13	16	7.75	1.5
R-50	269.88	15.88	20.6	10.49	1.5
R-51	279.4	22.23	26.9	14.81	1.5
R-52	304.8	7.95	12.7	5.23	1.5
R-53	323.85	11.13	16	7.75	1.5
R-54	323.85	15.88	20.6	10.49	1.5
R-55	342.9	28.58	35.1	19.81	2.3
R-56	381	7.95	12.7	5.23	1.5
R-57	381	11.13	16	7.75	1.5
R-58	381	22.23	26.9	14.81	1.5
R-59	396.88	7.95	12.7	5.23	1.5
R-60	406.4	31.75	38.1	22.33	2.3
R-61	419.1	11.13	16	7.75	1.5
R-62	419.1	15.88	20.6	10.49	1.5
R-63	419.1	25.4	31.8	17.3	2.3
R-64	454.03	7.95	12.7	5.23	1.5
R-65	469.9	11.13	16	7.75	1.5
R-66	469.9	15.88	20.6	10.49	1.5
R-67	469.9	28.58	35.1	19.81	2.3
R-68	517.53	7.95	12.7	5.23	1.5
R-69	533.4	11.13	16	7.75	1.5
R-70	533.4	19.05	23.9	12.32	1.5
R-71	533.4	28.58	35.1	19.81	2.3
R-72	558.8	7.95	12.7	5.23	1.5
R-73	584.2	12.7	17.5	8.66	1.5
R-74	584.2	19.05	23.9	12.32	1.5
R-75	584.2	31.75	38.1	22.33	2.3
R-76	673.1	7.95	12.7	5.23	1.5
R-77	692.15	15.88	20.6	10.49	1.5
R-78	692.15	25.4	31.8	17.3	2.3
R-79	692.15	34.93	41.4	24.82	2.3
R-80	615.95	7.95	12.7	5.23	1.5
R-81	635	14.3	19.1	9.58	1.5
R-82	57.15	11.13	16	7.75	1.5

R-84	63.5	11.13	16	7.75	1.5
R-85	79.38	12.7	17.5	8.66	1.5
R-86	90.5	15.88	20.6	10.49	1.5
R-87	100.03	15.88	20.6	10.49	1.5
R-88	123.83	19.05	23.9	12.32	1.5
R-89	114.3	19.05	23.9	12.32	1.5
R-90	155.58	22.23	26.9	14.81	1.5
R-91	260.35	31.75	38.1	22.33	2.3
R-92	228.6	11.13	16	7.75	1.5
R-93	749.3	19.05	23.9	12.32	1.5
R-94	800.1	19.05	23.9	12.32	1.5
R-95	857.25	19.05	23.9	12.32	1.5
R-96	914.4	22.23	26.9	14.81	1.5
R-97	965.2	22.23	26.9	14.81	1.5
R-98	1022.35	22.23	26.9	14.81	1.5
R-99	234.95	11.13	16	7.75	1.5
R-100	749.3	28.58	35.1	19.81	2.3
R-101	800.1	31.75	38.1	22.33	2.3
R-102	857.25	31.75	38.1	22.33	2.3
R-103	914.4	31.75	38.1	22.33	2.3
R-104	965.2	34.93	41.4	24.82	2.3
R-105	1022.35	34.93	41.4	24.82	2.3

Tolerances

- A* (width of ring) +0.20, -0.20
- B/H* (height of ring) +0.50, -0.50
- P (average pitch diameter of ring) +0.180, -0.180
- 23° (angle) +/- 0.5°

We offer wide range of RTJ Gasket that in compliance with ASTM, ANSI, API, NORSOK standards at best Market prices in India. To know more about the latest price of RTJ Gasket please feel free to contact us on sales@unifitmetalloys.com or call us on +91 9833885906