

RING TYPE JOINT GASKETS – TYPE RX

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



We at Unifit Metalloys Inc are one of the well-known manufacturers, exporters and suppliers of **RX Type RTJ GASKETS**. We have developed products for a range of industries over the years. This Ring Type Joints are widely used by the Oil, Gas, Petrochemical and Offshore Industries in applications subject to high pressures and temperatures. The **Style RX** is an adaptation of the standard Style R which is energized when the assembly is pressurized. The RX is designed to fit the same groove design as a standard Style R, making the joints interchangeable, however consideration should be given to the difference in finished make up distance. The geometry of this modified design induces a pressure energizing effect when the assembly is pressurized, improving the efficiency of the seal. Designs are also available for subsea applications on existing assets, however, current API 17D does not support use of SRX Ring Type Joints.

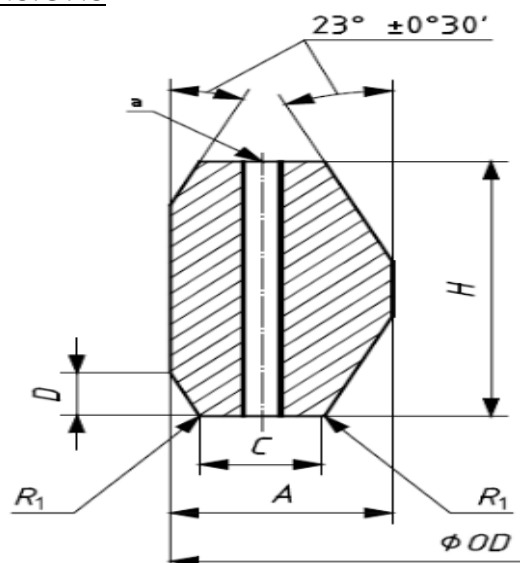
RTJ RINGS HARDNESS & MATERIAL GRADES

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

Ring Number	Pressure Class Ratings (PSI)		
	API 6A		
	150	300/600	900
	Nominal Pipe Sizes (Inches)		
RX20			
RX23	2.1/16		
RX24		2.1/16	2.1/16
RX25		3.1/8	
RX26	2.9/16		
RX27		2.9/16	2.9/16
RX31	3.1/8	3.1/8	
RX35			3.1/8
RX37	4.1/16	4.1/16	
RX39			4.1/16
RX41			
RX44			
RX45	7.1/16	7.1/16	
RX46			7.1/16
RX47			
RX49	9	9	
RX50			9
RX53	11	11	
RX54			11
RX57	13.5/8	13.5/8	
RX63			
RX65	16.3/4		
RX66		16.3/4	
RX69			
RX70			
RX73	21.1/4		
RX74		20.3/4	
RX82			
RX84			
RX85			
RX86			
RX87			
RX88			
RX89			
RX90			
RX91			
RX99			
RX201			1.3/8
RX205			1.13/16
RX210			2.9/16
RX215			4.1/16

RX TYPE RTJ GASKET DIMENSIONS



Ring Number	Outside Diameter of Ring	Width of Ring	Width of Flat	Height of Ring	Approx distance between made-up flanges	Approx Weight KG's
	OD	A	C	H		
RX20	76.2	8.74	4.62	19.05	9.7	0.24
RX23	93.27	11.91	6.45	25.4	11.9	0.53
RX24	105.97	11.91	6.45	25.4	11.9	0.62
RX25	109.54	8.74	4.62	19.05		0.36
RX26	111.91	11.91	6.45	25.4	11.9	0.66
RX27	118.26	11.91	6.45	25.4	11.9	0.7
RX31	134.54	11.91	6.45	25.4	11.9	0.8
RX35	147.24	11.91	6.45	25.4	11.9	0.89
RX37	159.94	11.91	6.45	25.4	11.9	0.97
RX39	172.64	11.91	6.45	25.4	11.9	1.05
RX41	191.69	11.91	6.45	25.4	11.9	1.18
RX44	204.39	11.91	6.45	25.4	11.9	1.26
RX45	221.84	11.91	6.45	25.4	11.9	1.37
RX46	222.25	13.49	6.68	28.58	11.9	1.67
RX47	245.26	19.84	10.34	41.28	18.3	3.91
RX49	280.59	11.91	6.45	25.4	11.9	1.76

RX50	283.36	16.66	8.51	31.75	11.9	2.89
RX53	334.57	11.91	6.45	25.4	11.9	2.11
RX54	337.34	16.66	8.51	31.75	11.9	3.47
RX57	391.72	11.91	6.45	25.4	11.9	2.48
RX63	441.73	27	14.78	50.8	21.3	12.03
RX65	480.62	11.91	6.45	25.4	11.9	3.06
RX66	483.39	16.66	8.51	31.75	11.9	5.04
RX69	544.12	11.91	6.45	25.4	11.9	3.48
RX70	550.06	19.84	10.34	41.28	18.3	9.18
RX73	596.11	13.49	6.68	31.75	15	4.66
RX74	600.86	19.84	10.34	41.28	18.3	10.06
RX82	67.87	11.91	6.45	25.4	11.9	0.37
RX84	74.22	11.91	6.45	25.4	11.9	0.41
RX85	90.09	13.49	6.68	25.4	9.7	0.53
RX86	103.58	15.09	8.51	28.58	9.7	0.82
RX87	113.11	15.09	8.51	28.58	9.7	0.91
RX88	139.29	17.48	10.34	31.75	9.7	1.48
RX89	129.77	18.26	10.34	31.75	9.7	1.37
RX90	174.63	19.84	12.17	44.45	18.3	3.12
RX91	286.94	30.16	19.81	45.24	19.1	7.8
RX99	245.67	11.91	6.45	25.4	11.9	1.53
RX201	51.46	5.74	3.2	11.3		0.06
RX205	62.31	5.56	3.05	11.1		0.08
RX210	97.64	9.53	5.87	19.05		0.35
RX215	140.89	11.91	5.33	25.4		0.78

Notes:

Pressure balancing hole is required for RX-82 to RX-91. The hole is at center of dimension C.

Tolerances (mm)

- A* (width of ring) +0.20, -0.000
- H* (height of ring) +0.20, -0.000
- OD (outside diameter of ring) +0.050, -0.000
- 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