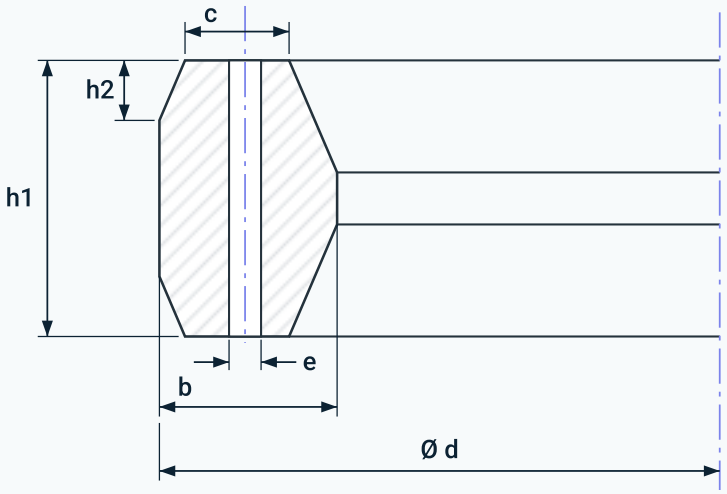
Revoseal RJ-RX Data Sheet

Ring joint gasket, type RX.





PRODUCT DESCRIPTION

revoseal ring joint gaskets of the RJ series are used primarily in refineries and in the petrochemical industry. The RJ-RX is designed for lines and equipment with working pressures above 20,000 psi (140 MPa) and features a pressure-balancing hole. The reference standard is API 6A.

KEY BENEFITS

- Suitable for very high pressures
- High compressive strength
- Wide choice of designs and alloys
- Designed for the oil and gas sector

TECHNICAL DATA

Design	Ring joint gasket, type RX
Manufacturing standard	ASME B16.20
Gasket standard	ASME B16.20, API 6A
Flange standard	API 6B
Operating pressure	For lines and equipment with working pressures above 20,000 psi (140 MPa)
Pressure balancing	With pressure-balancing hole

Materials and marking

Designation	Material no.	Hardness (HB)	US type AISI	Marking
Pure iron, Armco	1.1003	90–100	Soft-Iron	D
Low-carbon steel	–	120	Low-Carbon-Steel	S
13 CrMo 44	1.7335	approx. 130	–	7335
12 CrMo 19 5	1.7362	approx. 130	501	F5
X6 Cr 13	1.4000	approx. 170	410S	S 410
X5 CrNi 1810	1.4301	approx. 160	304	S 304
X5 CrNiMo 17122	1.4401	approx. 160	316	S 316
X6 CrNiTi 1810	1.4541	approx. 160	321	S 321
X6 CrNiNb 1810	1.4550	approx. 160	347	S 347
X6 CrNiMoTi 17122	1.4571	approx. 160	316 Ti	316 Ti

Materials to ASTM

Material	UNS	Brinell HB	Vickers HV	Material code
ASTM Soft Iron	G10060	90	56	D
ASTM Carbon Steel	G10080	120	68	S
ASTM 4–6 Cr ½ Mo	K41545	130	72	F5
ASTM AISI 410	S41000	170	86	S 410
ASTM AISI 304	S30400	160	83	S 304
ASTM AISI 316L	S31603	160	83	S 316
ASTM AISI 347	S34700	160	83	S 347

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Dimension table type RJ-RX

to ANSI B16.20 or API Std. 6A

Ring	[DN] inch	[PN] lbs	Ring dimensions					
			d	b	c	h1	h2	Hole e
RX20	1	2000. 3000. 5000	76.20	8.73	4.62	19.05	3.18	–
RX23	2	2000	93.27	11.91	6.45	25.40	4.24	–
RX24	2	3000. 5000	105.97	11.91	6.45	25.40	4.24	–
RX25	3	5000	109.54	8.73	4.62	19.05	3.18	–
RX26	2 ½	2000	111.92	11.91	6.45	25.40	4.24	–
RX27	2 ½	3000. 5000	118.27	11.91	6.45	25.40	4.24	–
RX31	3	2000. 3000	134.54	11.91	6.45	25.40	4.24	–
RX35	3	5000	147.24	11.91	6.45	25.40	4.24	–
RX37	4	2000. 3000	159.94	11.91	6.45	25.40	4.24	–
RX39	4	5000	172.64	11.91	6.45	25.40	4.24	–
RX41	5	2000. 3000	191.69	11.91	6.45	25.40	4.24	–
RX44	5	5000	204.39	11.91	6.45	25.40	4.24	–
RX45	6	2000. 3000	221.85	11.91	6.45	25.40	4.24	–
RX46	6	5000	222.25	13.49	6.68	28.58	4.78	–
RX47	8	crossover flange	245.30	19.84	10.34	41.28	6.88	–
RX49	8	2000. 3000	280.59	11.91	6.45	25.40	4.24	–
RX50	8	5000	283.37	16.67	8.51	31.75	5.28	–
RX53	10	2000. 3000	334.57	11.91	6.45	25.40	4.24	–
RX54	10	5000	337.34	16.67	8.51	31.75	5.28	–
RX57	12	2000. 3000	391.72	11.91	6.45	25.40	4.24	–
RX63	14	5000	441.72	26.99	14.78	50.80	8.46	–
RX65	16	2000	480.62	11.91	6.45	25.40	4.24	–
RX66	16	3000	483.39	16.67	8.51	31.75	5.28	–
RX69	18	2000	544.10	11.91	6.45	25.40	4.24	–
RX70	18	3000	550.10	19.84	10.34	41.28	6.88	–
RX73	20	2000	596.10	13.49	6.68	31.75	5.28	–
RX74	20	3000	600.87	19.84	10.34	41.28	6.88	–
RX82	X	–	67.87	11.91	6.45	25.40	4.24	1.6
RX84	X	–	74.22	11.91	6.45	25.40	4.24	1.6
RX85	X	–	90.09	13.49	6.68	25.40	4.24	1.6
RX86	X	–	103.58	15.08	8.51	28.58	4.78	2.4
RX87	X	–	113.11	15.08	8.51	28.58	4.78	2.4
RX88	X	–	139.30	17.46	10.34	31.75	5.28	3.2
RX89	X	–	129.78	18.26	10.34	31.75	5.28	3.2
RX90	X	–	174.62	19.84	12.17	44.45	7.42	3.2
RX91	X	–	286.94	30.16	19.81	45.24	7.54	3.2
RX99	X	–	245.67	11.91	6.45	25.40	4.24	–
RX201	1 ¼	5000	51.46	5.74	3.20	11.30	1.45	–
RX205	1 ¾	5000	62.31	5.56	3.05	11.10	1.83	–
RX210	2 ½	5000	97.63	9.53	5.41	19.05	3.18	–
RX215	4 – 4 ½	5000	140.89	11.91	5.33	25.40	4.24	–

X Not covered by the standard. Other dimensions available. Tolerances: d +0.51 mm, h1/h2 −0.8 mm, b +0.2 mm, c +0.15 mm. Design to revoseal company standard.