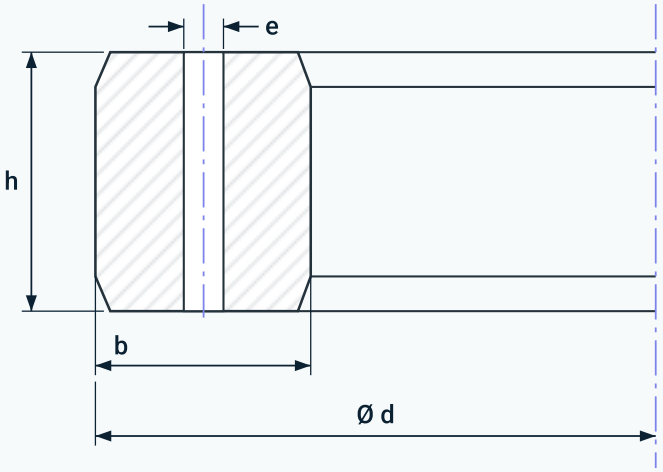
Revoseal RJ-BX Data Sheet

Ring joint gasket, type BX.





PRODUCT DESCRIPTION

revoseal ring joint gaskets of the RJ series are used primarily in refineries and in the petrochemical industry. The RJ-BX 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 BX
Manufacturing standard	ASME B16.20
Gasket standard	API 6A
Flange standard	API BX
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-BX

to ANSI B16.20 or API Std. 6A

Ring	[DN] inch	[PN] lbs	Ring dimensions			
			d	b	h	Hole e
BX 150	1 11/16	10000. 15000	72.19	9.30	9.30	1.60
BX 151	1 13/16	10000. 15000. 20000	76.40	9.63	9.63	1.60
BX 152	2 1/16	10000. 15000. 20000	84.68	10.24	10.24	1.60
BX 153	2 9/16	10000. 15000. 20000	100.94	11.38	11.38	1.60
BX 154	3 1/16	10000. 15000. 20000	116.84	12.40	12.40	1.60
BX 155	4 1/16	10000. 15000. 20000	147.96	14.22	14.22	1.60
BX 156	7 1/16	10000. 15000. 20000	237.92	18.62	18.62	3.20
BX 157	9	10000. 15000	294.46	20.98	20.98	3.20
BX 158	11	10000. 15000	352.04	23.14	23.14	3.20
BX 159	13 5/8	10000	426.72	25.70	25.70	3.20
BX 160	13 5/8	5000	402.59	13.74	23.83	3.20
BX 161	16 3/4	–	491.41	16.20	28.07	3.20
BX 162	16 3/4	5000. 10000	475.49	14.22	14.22	1.60
BX 163	18 3/4	5000	556.16	17.37	30.10	3.20
BX 164	18 3/4	10000	570.56	24.59	30.10	3.20
BX 165	21 1/4	5000	624.71	18.49	32.03	3.20
BX 166	21 1/4	10000	640.03	26.14	32.03	3.20
BX 167	26 3/4	2000	759.36	13.11	35.86	1.60
BX 168	26 3/4	3000	765.25	16.05	35.86	1.60
BX 169	5 1/8	10000	173.52	12.93	15.84	1.60
BX 170	9	–	218.03	14.22	14.22	1.60
BX 171	11	–	267.44	14.22	14.22	1.60
BX 172	13 5/8	–	333.07	14.22	14.22	1.60
BX 303	30	2000. 3000	852.75	16.97	37.95	1.60

Tolerances: d −0.15 mm, b +0.2 mm, h +0.2 mm. Design to revoseal company standard.