

# BX Ring Gasket Specification (API 6A Type BX Ring Joint Gasket)

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## Standard

- API 6A (Specification for Wellhead and Christmas Tree Equipment)
- ASME B16.20 (Reference for dimensions and materials, not directly for BX)

## Design Type

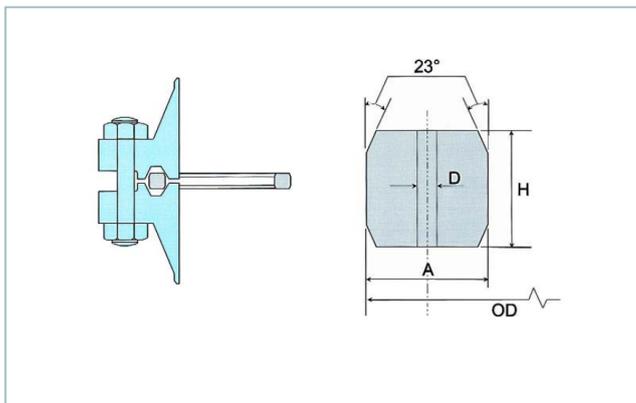
- Ring Type Joint (RTJ) Gasket - Type BX
- Pressure-energized sealing - Designed to seal under **extremely high pressures**

The Style BX energized Ring Type Joints, manufactured in accordance with API 6A, are designed for use on pressurized systems up to 20,000 psi.

When correctly fitted, the style BX gasket allows virtual face to face contact of the flange faces which means that the gasket is fully trapped on both the inner and outer diameters.

All BX gaskets incorporate a pressure balance hole to ensure equalization of pressure which may be trapped in the grooves.

### DIMENSIONAL DATA – STYLE BX



### TOLERANCES: (INCHES)

A* (width of ring)	+0.008,-0.000
D (hole size)	± 0.02
H* (height of ring)	+0.008,-0.000
OD (od of ring)	+0.000,-0.005
23° (angle)	± 1/4°

One pressure passage hole required per ring on center line \*A plus tolerance of 0.008 inches for width 'A' and height 'H' is permitted, provided the variation in width or height does not exceed 0.004 inches throughout its entire circumference.

### NOTE 1:

Radius of the ring shall be 8% to 12% of the ring height 'H'.

## The Style BX Ring Gasket Dimension and Weight

RING NO.	PRESSURE ALASSES, API 6BX						OUTSIDE DIAMETER OF RING OD	HEIGHT OF RING H	WIDTH OF RING A	HOLE SIZE D	GASKET WEIGHT. lbs. for APL 66x flanges
	2000	3000	5000	10000	15000	20000					
Bx150	-	-	-	1 11/16	1 11/16	-	72.19	9.30	9.30	1.59	0.295
Bx151	-	-	-	1 13/16	1 13/16	1 13/16	76.40	9.63	9.63	1.59	0.337
Bx152	-	-	-	2 1/16	2 1/16	2 1/16	84.68	10.24	10.24	1.59	0.425
Bx153	-	-	-	2 9/16	2 9/16	2 9/16	100.94	11.38	11.38	1.59	0.632
Bx154	-	-	-	3 1/16	3 1/16	3 1/16	116.84	12.40	12.40	1.59*	0.875
Bx155	-	-	-	4 1/16	4 1/16	4 1/16	147.96	14.22	14.22	1.59	1.22
Bx156	-	-	-	7 1/16	7 1/16	7 1/16	237.92	18.62	18.62	3.18	4.14
Bx157	-	-	-	9	9	9	294.46	20.98	20.98	3.18	6.55
Bx158	-	-	-	11	11	11	352.04	23.14	23.14	3.18	9.60
Bx159	-	-	-	13 5/8	13 5/8	13 5/8	426.72	25.70	25.70	3.18	14.41
Bx160	-	-	13 5/8	-	-	-	402.59	23.83	13.74	3.18	6.75
Bx161	-	-	16 3/4	-	-	-	491.41	28.07	16.21	3.18	-
Bx162	-	-	16 3/4	16 3/4	16 3/4	-	475.49	14.22	14.22	1.59	-
Bx163	-	-	18 3/4	-	-	-	556.16	30.10	17.37	3.18	-
Bx164	-	-	-	18 3/4	18 3/4	-	570.56	30.10	24.59	3.18	-
Bx165	-	-	21 1/4	-	-	-	624.71	32.03	18.49	3.18	-
Bx166	-	-	-	21 1/4	-	-	640.03	32.03	26.14	3.18	-
Bx167	26 3 / 4	-	-	-	-	-	759.36	35.87	13.11	1.59	-
Bx168	-	26 3 / 4	-	-	-	-	765.25	35.87	16.05	1.59	-
Bx169	-	-	-	5 1/8	-	-	173.51	15.85	12.93	1.59	-
Bx170	-	-	-	6 5/8	6 5/8	-	218.03	14.22	14.22	1.59	-
Bx171	-	-	-	8 9/16	8 9/16	-	267.44	14.22	14.22	1.59	-
Bx172	-	-	-	11 5/32	11 5/32	-	333.07	14.22	14.22	1.59	-
BX303	30	30	-	-	-	-	852.75	37.95	16.97	1.59	-

