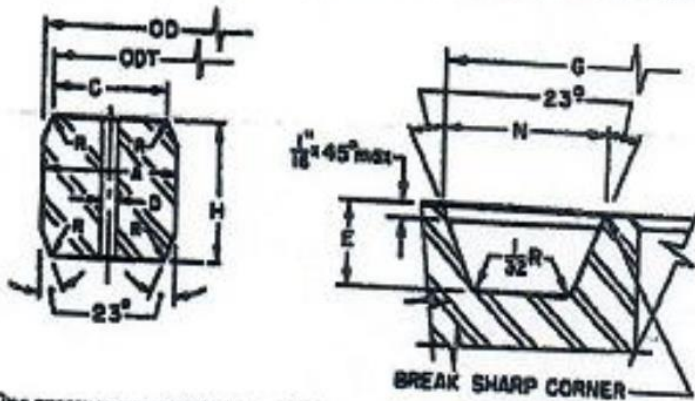


BX 001 Data Sheet

10-28

API SPECIFICATION 6A

Table 10.18—API Type BX Pressure Energized Ring Gaskets (See Appendix B for Metric Data)



TOLERANCES

A ¹	(width of ring).....	+0.008,-0.000
C	(width of flat).....	+0.008,-0.000
D	(hole size).....	±0.02
E	(depth of groove).....	+0.02,-0
G	(OD of groove).....	+0.004,-0.000
H ¹	(height of ring).....	+0.008,-0.000
N	(width of groove).....	+0.004,-0.000
OD	(OD of ring).....	+0.000,-0.005
ODT	(OD of flat).....	±0.002
R	(radius in ring).....	see note
23°	(angle).....	±1/2°

One pressure passage hole required per gasket on centerline.

¹A plus tolerance of 0.008 in. for width A and height H is permitted, provided the variation in width or height of any ring does not exceed 0.004 in. throughout its entire circumference.

Radius "R" shall be 8 to 12% of the gasket height "H."

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Ring Number	Number Size	Outside Diameter of Ring OD	Height of Ring H	Width of Ring A	Diameter of Flat ODT	Width of Flat C	Hole Size D	Depth of Groove E	Outside Diameter of Groove G	Width of Groove N
BX 150	1 1/16	2.842	0.366	0.366	2.790	0.314	0.06	0.22	2.893	0.450
BX 151	1 3/16	3.008	0.379	0.379	2.954	0.325	0.06	0.22	3.052	0.466
BX 152	2 1/16	3.334	0.403	0.403	3.277	0.346	0.06	0.23	3.395	0.498
BX 153	2 9/16	3.974	0.448	0.448	3.910	0.385	0.06	0.27	4.046	0.554
BX 154	3 1/16	4.600	0.488	0.488	4.531	0.419	0.06	0.30	4.685	0.606
BX 155	4 1/16	5.825	0.560	0.560	5.746	0.481	0.06	0.33	5.930	0.698
BX 156	7 1/16	9.367	0.733	0.733	9.263	0.629	0.12	0.44	9.521	0.921
BX 157	9	11.593	0.826	0.826	11.476	0.709	0.12	0.50	11.774	1.039
BX 158	11	13.860	0.911	0.911	13.731	0.782	0.12	0.56	14.064	1.149
BX 159	1 3/8	16.800	1.012	1.012	16.657	0.869	0.12	0.62	17.033	1.279
BX 160	1 3/8	15.850	0.938	0.541	15.717	0.408	0.12	0.56	16.063	0.786
BX 161	1 6/8	19.347	1.105	0.638	19.191	0.482	0.12	0.67	19.604	0.930
BX 162	1 6/8	18.720	0.560	0.560	18.641	0.481	0.06	0.33	18.832	0.705
BX 163	1 7/4	21.896	1.185	0.684	21.728	0.516	0.12	0.72	22.185	1.006
BX 164	1 7/4	22.463	1.185	0.968	22.295	0.800	0.12	0.72	22.752	1.290
BX 165	2 1/4	24.595	1.261	0.728	24.417	0.550	0.12	0.75	24.904	1.071
BX 166	2 1/4	25.198	1.261	1.029	25.020	0.851	0.12	0.75	25.507	1.373
BX 167	2 3/4	29.896	1.412	0.516	29.696	0.316	0.06	0.84	30.249	0.902
BX 168	2 3/4	30.128	1.412	0.632	29.928	0.432	0.06	0.84	30.481	1.018
BX 169	3 1/8	6.831	0.624	0.509	6.743	0.421	0.06	0.38	6.955	0.666
BX 170	9	8.584	0.560	0.560	8.505	0.481	0.06	0.33	8.696	0.705
BX 171	11	10.529	0.560	0.560	10.430	0.481	0.06	0.33	10.641	0.705
BX 172	1 3/8	13.113	0.560	0.560	13.034	0.481	0.06	0.33	13.225	0.705
BX 303	30	33.573	1.494	0.668	33.361	0.457	0.06	0.89	33.949	1.078

Handwritten annotations on the right side of the table:

- 1/8
- 1/4
- 3/8
- 1/2
- 1/2
- 1/4
- 1/4
- 1/2
- 1/2
- 1/4
- 1/2