



Operational Procedure - Rev 0

NWP 01 - Rev 1

BMS 34 - API 17D Type "SBX" RTJ's
Dimensions & Tolerances

Issued by: A D Senior

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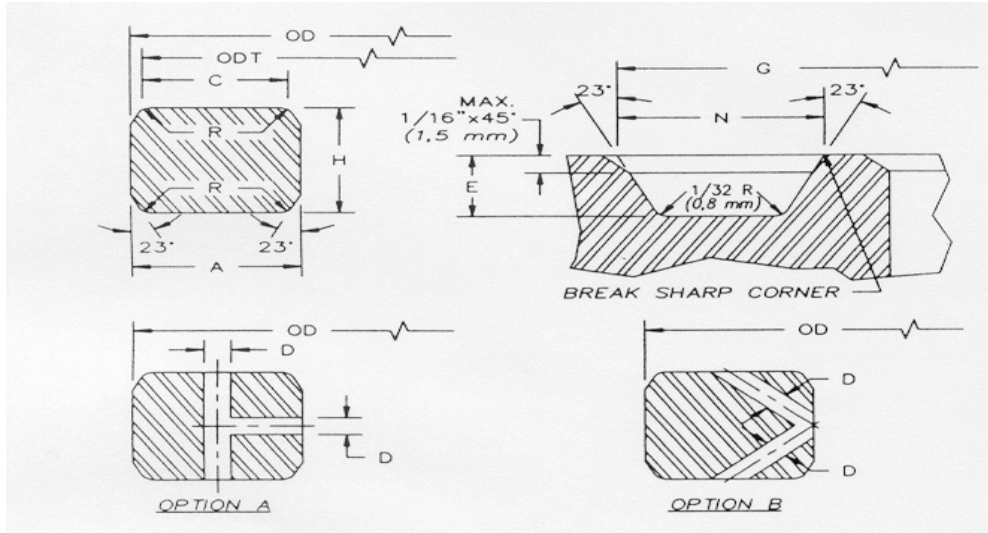
Ring Number	Nominal Size		Outside Diameter of Ring		Height of Ring		Width of Ring		Diameter of Flat		Width of Flat		Hole Size	
			OD		H		A		ODT		C		D	
	in	(mm)	in	(mm)	in	(mm)	in	(mm)	in	(mm)	In	(mm)	In	(mm)
SBX 151	1 13/16	46	3.008	76.40	0.379	9.63	0.379	9.63	2.954	75.03	0.325	8.26	0.06	1.50
SBX 152	2 1/16	52	3.334	84.68	0.403	10.24	0.403	10.24	3.277	83.24	0.346	8.79	0.06	1.50
SBX 153	2 9/16	65	3.974	100.94	0.448	11.38	0.448	11.38	3.910	99.31	0.385	9.78	0.06	1.50
SBX 154	3 1/16	78	4.600	116.84	0.488	12.40	0.488	12.40	4.531	115.09	0.419	10.64	0.06	1.50
SBX 155	4 1/16	103	5.825	147.96	0.560	14.22	0.560	14.22	5.746	145.95	0.481	12.22	0.06	1.50
SBX 156	7 1/16	179	9.367	237.92	0.733	18.62	0.733	18.62	9.263	235.28	0.629	15.98	0.12	3.00
SBX 157	9	228	11.593	294.46	0.826	20.98	0.826	20.98	11.476	291.49	0.709	18.01	0.12	3.00
SBX 158	11	279	13.860	352.04	0.911	23.14	0.911	23.14	13.731	348.77	0.782	19.86	0.12	3.00
SBX 159	13 5/8	346	16.800	426.72	1.012	25.70	1.012	25.70	16.657	423.09	0.869	22.07	0.12	3.00
SBX 160	13 5/8	346	15.850	402.59	0.938	23.83	0.541	13.74	15.717	399.21	0.408	10.36	0.12	3.00
SBX 161	16 5/8	422	19.347	491.41	1.105	28.07	0.638	16.21	19.191	487.45	0.482	12.24	0.12	3.00
SBX 162	16 5/8	422	18.720	475.49	0.560	14.22	0.560	14.22	18.641	473.48	0.481	12.22	0.06	1.50
SBX 163	18 3/4	476	21.896	556.16	1.185	30.10	0.684	17.37	21.728	551.89	0.516	13.11	0.12	3.00
SBX 164	18 3/4	476	22.463	570.56	1.185	30.10	0.968	24.59	22.295	566.29	0.800	20.32	0.12	3.00
SBX 165	21 1/4	540	24.595	624.71	1.261	32.03	0.728	18.49	24.417	620.19	0.550	13.97	0.12	3.00
SBX 166	21 1/4	540	25.198	640.03	1.261	32.03	1.029	26.14	25.020	635.51	0.851	21.62	0.12	3.00
SBX 169	5 1/8	131	6.831	173.51	0.624	15.85	0.509	12.93	6.743	171.29	0.421	10.69	0.06	1.50

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Note 1: Radius "R" shall be 8 to 12% of the gasket height "H" (0.2mm) for width A and

Note 2: Two pressure passage holes in the SBX ring cross section provided that the variation in

Prevent pressure lock when connections are made up underwater. does not exceed 0.004in

Two options are provided for drilling the pressure passage holes. entire circumference.

* A plus tolerance of 0.0008in

height H is permitted,

Width or height of any ring

(0.1mm) throughout it's

Tolerances: Inches and (mm)

A * Width of ring. ... + 0.008" - 0" **(+ 0.2mm - 0)**
0.006" **(+ 0 - 0.15mm)**
C Width of flat. ... + 0.006" - 0 **(+ 0.15mm - 0)**
- 0.002" **(+ /- 0.05mm)**
D Hole size. + 0.02" - 0.02" **(+/- 0.5mm)**
note
H * Height of ring... + 0.008" - 0" **(+ 0.2mm, - 0)**
Degree

OD Od of ring. + 0" -
ODT Od of flat. + 0.002"
R (Radius in ring).... See
23 Deg (angle) + / - ¼
Degree