

BMS 32 - API 6A Type "RX" RTJ's
 Dimensions & Tolerances

 Issued by: A D Senior
 Date: 1st Jan 2011
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	OUTSIDE DIAMETER OF RING OD	WIDTH OF RING A-c	WIDTH OF FLAT C	HEIGHT OF OUTSIDE BEVEL D	HEIGHT OF RING H-c	RADIUS OF RING R1	PRESSURE PASSAGE HOLE a*
	Tolerances						
	+ 0.5 / 0.1	+ 0.2 / - 0	+ 0.15 / - 0	+ 0 / - 0.8	+ 0.2 / - 0	+ / - 0.5	
RX 20	76.20	8.73	4.62	3.18	19.05	1.5	-
RX 23	93.27	11.91	6.45	4.24	25.40	1.5	-
RX 24	105.97	11.91	6.45	4.24	25.40	1.5	-
RX 25	109.54	8.73	4.62	3.18	19.05	1.5	-
RX 26	111.92	11.91	6.45	4.24	25.40	1.5	-
RX 27	118.27	11.91	6.45	4.24	25.40	1.5	-
RX 31	134.54	11.91	6.45	4.24	25.40	1.5	-
RX 35	147.24	11.91	6.45	4.24	25.40	1.5	-
RX 37	159.94	11.91	6.45	4.24	25.40	1.5	-
RX 39	172.64	11.91	6.45	4.24	25.40	1.5	-
RX 41	191.69	11.91	6.45	4.24	25.40	1.5	-
RX 44	204.39	11.91	6.45	4.24	25.40	1.5	-
RX 45	221.85	11.91	6.45	4.24	25.40	1.5	-
RX 46	222.25	13.49	6.68	4.78	28.58	1.5	-
RX 47	245.27	19.84	10.34	6.88	41.28	2.3	-
RX 49	280.59	11.91	6.45	4.24	25.40	1.5	-
RX 50	283.37	16.67	8.51	5.28	31.75	1.5	-
RX 53	334.57	11.91	6.45	4.24	25.40	1.5	-
RX 54	337.34	16.67	8.51	5.28	31.75	1.5	-
RX 57	391.72	11.91	6.45	4.24	25.40	1.5	-
RX 63	441.72	26.99	14.78	8.46	50.80	2.3	-
RX 65	480.62	11.91	6.45	4.24	25.40	1.5	-
RX 66	483.39	16.67	8.51	5.28	31.75	1.5	-
RX 69	544.12	11.91	6.45	4.24	25.40	1.5	-
RX 70	550.07	19.84	10.34	6.88	41.28	2.3	-
RX 73	596.11	13.49	6.68	5.28	31.75	1.5	-
RX 74	600.87	19.84	10.34	6.88	41.28	2.3	-
RX 82	67.87	11.91	6.45	4.24	25.40	1.5	1.5
RX 84	74.22	11.91	6.45	4.24	25.40	1.5	1.5
RX 85	90.09	13.49	6.68	4.24	25.40	1.5	1.5
RX 86	103.58	15.08	8.51	4.78	28.58	1.5	2.25
RX 87	113.11	15.08	8.51	4.78	28.58	1.5	2.25
RX 88	139.30	17.46	10.34	5.28	31.75	1.5	3
RX 89	129.78	18.26	10.34	5.28	31.75	1.5	3
RX 90	174.63	19.84	12.17	7.42	44.45	2.3	3
RX 91	286.94	30.16	19.81	7.54	45.24	2.3	3
RX 99	245.67	11.91	6.45	4.24	25.40	1.5	-

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RING SIZE	OUTSIDE DIAMETER OF RING OD	WIDTH OF RING A-c	WIDTH OF FLAT C	HEIGHT OF OUTSIDE BEVEL D	HEIGHT OF RING H-c	RADIUS OF RING R1	PRESSURE PASSAGE HOLE a*
	Tolerances						
	+ 0.5 / 0.1	+ 0.2 / - 0	+ 0.15 / - 0	+ 0 / - 0.8	+ 0.2 / - 0	+ / - 0.5	
RX 201	51.46	5.74	3.20	1.45 a	11.30	0.5 b	-
RX 205	62.31	5.56	3.05	1.83 a	11.10	0.5 b	-
RX 210	97.63	9.53	5.41	3.18 a	19.05	0.8 b	-
RX 215	140.89	11.91	5.33	4.24 a	25.40	1.5 b	-

a*

The pressure passage hole illustrated in the RX ring cross-section applies to rings RX82 through RX91 only. Centreline of hole shall be located at midpoint of dimension C. Hole diameter shall be 1.50mm for rings RX82 through RX85, 2.25mm for rings RX86 and RX87, and 3.00mm for rings RX88 through RX91.

All dimensions are in millimetres

- a) Tolerance on these dimensions is + 0 / - 0.38.
- b) Tolerance on these dimensions is + 0.5 / - 0.
- c) A plus tolerance of 0.2mm for width A and height H is permitted, provided the variation in the width or height of any ring does not exceed 0.1mm throughout it's entire circumference.

