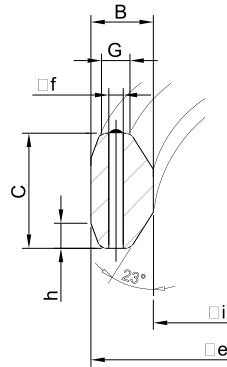


## Notes:

- Under axial compressive load, ring joint gasket plastically deform and flow into irregularities of the flange groove: the seal is maintained by the action of this force upon the gasket.
- It is imperative that the gasket be significantly softer than the flange to not damage it during assembly.
- R, Rx and BX type are according to ANSI B16.5, API-Std.6A.
- RX type typical section :



- Is interchangeable with the standard R type.
- Since the Style RX is significantly taller than a Style R, larger flange make up distances will result.
- Are designed to seal pressure as R type.
- Selected sizes incorporate a pressure passage hole to allow for pressure equalization each side of the sealing faces.
- Requested surface finish: 63 µm Ra - 1.6 µm Ra

Material	Factor <i>m</i>	Factor <i>y</i> (PSI)
Iron or soft metal	5.50	18000
Monel or 4-6 % Cr	6.00	21800
Stainless steel	6.50	26000

Pressure class rating (Lbs)			Tolerances	+ 0.51	- 0.15	+ 0.2	+ 0.15	+ 0.2	- 0.8	-	Weight (Kg)
2000	3000	5000	RX	e (mm)	i (mm)	B (mm)	G (mm)	C (mm)	H (mm)	F (mm)	
1 1/2	1 1/2	1 1/2	RX20	76.20	58.74	8.73	4.62	19.05	3.18	-	0.24
-	-	2	RX20	76.20	58.74	8.73	4.62	19.05	3.18	-	0.24
2	-	-	RX23	93.27	69.45	11.91	6.45	25.40	4.24	-	0.52
-	2	2	RX24	105.97	82.15	11.91	6.45	25.4	4.24	-	0.60
-	-	3	RX25	109.54	92.08	8.73	4.62	19.05	3.18	-	0.64
2 1/2	-	-	RX26	111.92	88.10	11.91	6.45	25.4	3.78	-	0.68
-	2 1/2	2 1/2	RX27	118.27	94.45	11.91	6.45	25.4	4.24	-	0.78
3	3	-	RX31	134.54	110.72	11.91	6.45	25.4	4.24	-	0.87
-	-	3	RX35	147.24	123.42	11.91	6.45	25.4	4.24	-	0.95
4	4	-	RX37	159.94	136.12	11.91	6.45	25.4	4.24	-	1.03
-	-	4	RX39	172.64	148.82	11.91	6.45	25.4	4.24	-	1.15
5	5	-	RX41	191.69	167.87	11.91	6.45	25.4	4.24	-	1.23
-	-	5	RX44	204.39	180.57	11.91	6.45	25.4	4.24	-	1.34
6	6	-	RX45	221.85	188.11	11.91	6.45	25.4	4.24	-	1.66
-	-	6	RX46	222.25	195.27	13.49	6.68	28.58	4.78	-	3.88
-	-	-	RX47	245.30	205.59	19.84	10.34	41.28	6.88	-	1.72
8	8	-	RX49	280.59	256.77	11.91	6.45	25.4	4.24	-	2.43
-	-	8	RX50	283.37	250.03	16.67	8.51	31.75	5.28	-	2.07
10	10	-	RX53	334.57	310.75	11.91	6.45	25.4	4.24	-	2.93
-	-	10	RX54	337.34	304.00	16.67	8.51	31.75	5.28	-	2.43
12	12	-	RX57	391.72	367.90	11.91	6.45	25.4	4.24	-	11.97
-	-	-	RX63	441.72	387.74	26.99	14.78	50.80	8.46	-	3.01
16	-	-	RX65	480.62	456.80	11.91	6.45	25.40	4.24	-	4.26
-	16	-	RX66	483.39	450.05	16.67	8.51	31.75	5.28	-	3.41
18	-	-	RX69	544.10	520.30	11.91	6.45	25.40	4.24	-	9.14
-	18	-	RX70	550.10	510.39	19.84	10.34	41.28	6.88	-	5.28
20	-	-	RX73	596.10	569.13	13.49	6.68	31.75	5.28	-	10.02
-	20	-	RX74	600.87	561.19	19.84	10.34	41.28	6.88	-	0.36
-	-	-	RX82	67.87	44.05	11.91	6.45	25.40	4.24	1.60	0.40
-	-	-	RX84	74.22	50.40	11.91	6.45	25.40	4.24	1.60	0.40
-	-	-	RX85	90.09	63.11	13.49	6.68	25.40	4.24	1.60	0.81
-	-	-	RX86	103.58	73.42	15.08	8.51	28.58	4.78	2.40	0.90
-	-	-	RX87	113.11	82.95	15.08	8.51	28.58	4.78	2.40	1.46
-	-	-	RX88	139.30	104.38	17.46	10.34	31.75	5.28	3.20	1.35
-	-	-	RX89	129.78	93.26	18.26	10.34	31.75	5.28	3.20	3.09
-	-	-	RX90	174.62	134.95	19.84	12.17	44.45	7.42	3.20	7.76
-	-	-	RX91	286.94	226.62	30.16	19.81	45.24	7.54	3.20	1.50
-	-	-	RX99	245.67	221.85	11.91	6.45	25.40	4.24	-	-
-	-	1 1/2	RX201	51.46	34.56	5.74	3.20	11.30	1.45	-	-
-	-	1 1/2	RX205	62.31	51.19	5.56	3.05	11.10	1.83	-	-
-	-	2 1/2	RX210	97.63	78.57	9.53	5.41	19.05	3.18	-	-
-	-	4	RX215	140.89	117.07	11.91	5.33	25.40	4.24	-	-
-	-	4 x 4 1/2	RX215	140.89	117.07	11.91	5.33	25.40	4.24	-	-

Title: RX ring joint gasket	
Designer: D. Bassi	Rev.0 del 05/02/2009

