

## 1) Style CS (Centering Ring with Sealing Element)

### Available Gasket Material

Metal Winding Strip As Standard	Guide Ring Material	Filler Material
Stainless Steel 304,316L, 321	Carbon Steel	Flexible Graphite
Monel®	Stainless Steel 304,316,321	PTFE
Titanium®	Monel®	Ceramic
Inconel. 600,625	Inconel® 600, 625	Compressed Non-Asbestos Fibre (CNAF)
Hastelloy® C276	Hastelloy® C276	
Incoloy® 800,825	incoloy® 800, 825	



Thickness available for spiral wound seal elements is 4.5

Thicknesses available for inner ring compression stop is 3.2

## 2) Style CSI (Centering Ring with Sealing Element and Inner Ring)

### Available Gasket Material

Metal Winding Strip As	Guide Ring Material	Filler Material
Stainless Steel 304, 316L, 321	Carbon Steel	Flexible Graphite
Monel®	Stainless Steel 304,316, 321	PTFE
Titanium®	Monel®	Ceramic
Inconel® 600,625	Inconel® 600,625	Compressed Non-Asbestos Fibre (CNAF)
Hastelloy® C276	Hastelloy® C276	
Incoloy® 800,825	Incoloy® 800,825	



Thickness available for spiral wound seal elements is 4.5

Thicknesses available for inner ring compression stop is 3.2

### 3) Style S (Sealing Element)

#### Available Gasket Material

Metal Winding Strip As Standard	Guide Ring Material	Filler Material
Stainless Steel 304, 316L, 321	Carbon Steel	Flexible Graphite
Monel®	Stainless Steel 304,316, 321	PTFE
Titanium®	Monelg,	Ceramic
Inconel® 600,625	Inconel® 600,625	Compressed Non-Asbestos Fibre (CNAF)
Hastelloy® C276	Hastelloy® C276	
Incoloy® 800,825	Incoloy® 800,825	



Thicknesses available for spiral wound seal elements are 3.2, 4.5 and 6.4

### 4) Style SI (Sealing Element with Inner Ring)

#### Available Gasket Material

Metal Winding Strip As Standard	Guide Ring Material	Filler Material
Stainless Steel 304,316L, 321	Carbon Steel	Flexible Graphite
Monel<g>	Stainless Steel 304,316, 321	PTFE
Titanium*	Monel®	Ceramic
Inconel® 600,625	Inconel® 600,625	Compressed Non-Asbestos Fibre (CNAF)
Hastelloy® C276	Hastelloy® C276	
Incoloy® 800,825	Incoloy® 800,825	



Thickness available for spiral wound seal elements is 4.5  
 Thicknesses available for inner ring compression stop is 3.2



a) Oval Shape      b) Octagonal Shape

### Available Gasket Material

Material	STANDARD		Maximum Hardness	
	UNS	ASME	Brinell	Rockwell
Soft Iron	-	D	90	56
Low Carbon Steel	-	S	120	68
4-6% Chrome VSfife Moly	K42544	F5	130	72
Type 304 Stainless Steel	S30400	S304	160	83
Type 316 Stainless Steel	S31600	S316	160	83
Alloy 321	S32100	S321	217	95
Alloy 625	N06625	INC625	200	93
Alloy 825	N08825	IN825	160	83

### STYLE R RING DIMENSIONS

Ring No.	Pipe size and pressure class rating for Type R Ring Gaskets								Pitch diameter of ring (groove)	Width of ring	Height of ring oval	Height of ring octagonal	Width of flat of octagonal ring	Radius in octagonal ring	Depth of groove	Width of groove	Radius in groove	Approx. distance between made-up flanges	Weight oval	Weight octagonal										
	ANSI, BS & MSS				API (PSI)																									
																					P	A	B	H	C	R <sub>1</sub>	E	F	R <sub>2</sub>	S
																					±0.007 (±0.005)	±0.008	±0.02	±0.02	±0.008	±0.02	+0.02 0	±0.008	max.	
								Dimension in inches										Lbs	Lbs											
R-11	...	1/2"	...	...	...	...	...	...	1.344	0.250	0.44	0.38	0.170	0.06	...	...	...	...	0.111	0.104										
R-12	...	...	1/2"	1/2"	...	...	...	...	1.563	0.313	0.56	0.50	0.206	0.06	...	...	...	...	0.216	0.200										
R-13	...	3/4"	...	...	1/2"	...	...	...	1.688	0.313	0.56	0.50	0.206	0.06	...	...	...	...	0.234	0.216										
R-14	...	...	3/4"	3/4"	...	...	...	...	1.750	0.313	0.56	0.50	0.206	0.06	...	...	...	...	0.242	0.224										
R-15	1"	...	...	...	...	...	...	...	1.875	0.313	0.56	0.50	0.206	0.06	...	...	...	...	0.260	0.240										
R-16	...	1"	1"	1"	3/4"	1"	1"	1"	2.000	0.313	0.56	0.50	0.206	0.06	...	...	...	...	0.278	0.256										
R-17	1-1/4"	...	...	...	...	...	...	...	2.250	0.313	0.56	0.50	0.206	0.06	...	...	...	...	0.311	0.288										
R-18	...	1-1/4"	1-1/4"	1-1/4"	1	1-1/4"	1-1/4"	1-1/4"	2.375	0.313	0.56	0.50	0.206	0.06	...	...	...	...	0.328	0.304										
R-19	1-1/2"	...	...	...	...	...	...	...	2.563	0.313	0.56	0.50	0.206	0.06	...	...	...	...	0.354	0.328										
R-20*	...	1-1/2"	1-1/2"	1-1/2"	...	1-1/2"	1-1/2"	1-1/2"	2.688	0.313	0.56	0.50	0.206	0.06	0.25	0.344	0.03	0.16	0.372	0.344										
R-21	...	...	...	...	1-1/4"	...	...	...	2.844	0.438	0.69	0.63	0.305	0.06	...	...	...	...	0.660	0.643										
R-22	2"	...	...	...	...	...	...	...	3.250	0.313	0.56	0.50	0.206	0.06	...	...	...	...	0.450	0.415										
R-23*	...	2"	...	...	1-1/2"	2"	...	...	3.250	0.438	0.69	0.63	0.305	0.06	0.31	0.469	0.03	0.19	0.755	0.734										
R-24*	...	...	2"	2"	...	...	2"	2"	3.750	0.438	0.69	0.63	0.305	0.06	0.31	0.469	0.03	0.19	0.870	0.846										
R-25	2-1/2"	...	...	...	...	...	...	...	4.000	0.313	0.56	0.50	0.206	0.06	...	...	...	...	0.553	0.510										
R-26*	...	2-1/2"	...	...	2"	2-1/2"	...	...	4.000	0.438	0.69	0.63	0.305	0.06	0.31	0.469	0.03	0.19	0.930	0.904										
R-27*	...	...	2-1/2"	2-1/2"	...	...	2-1/2"	2-1/2"	4.250	0.438	0.69	0.63	0.305	0.06	0.31	0.469	0.03	0.19	1.050	0.960										
R-28	...	...	...	...	2-1/2"	...	...	...	4.375	0.500	0.75	0.69	0.341	0.06	...	...	...	...	1.255	1.230										
R-29	3"	...	...	...	...	...	...	...	4.500	0.313	0.56	0.50	0.206	0.06	...	...	...	...	0.622	0.575										
(R-30)	...	3"	...	...	...	...	...	...	4.625	0.438	0.69	0.63	0.305	0.06	...	...	...	...	1.075	1.047										
R-31*	...	3"	3"	...	...	3"	3"	...	4.875	0.438	0.69	0.63	0.305	0.06	0.31	0.469	0.03	0.19	1.130	1.100										
R-32	...	...	...	...	3"	...	...	...	5.000	0.500	0.75	0.69	0.341	0.06	...	...	...	...	1.435	1.405										
R-33	3-1/2"	...	...	...	...	...	...	...	5.188	0.313	0.56	0.50	0.206	0.06	...	...	...	...	0.718	0.664										
R-34	...	3-1/2"	...	...	...	...	...	...	5.188	0.438	0.69	0.63	0.305	0.06	...	...	...	...	1.200	1.170										



## STYLE R RING DIMENSIONS

Ring No.	Pipe sizes and pressure class rating for Type R Ring Gaskets								Pitch diameter of ring (groove)	Width of ring	Height of ring oval	Height of ring octagonal	Width of flat of octagonal ring	Radius in octagonal ring	Depth of groove	Width of groove	Radius in groove	Approx. distance between made-up flanges	Weight oval	Weight octagonal	
	ANSI, BS & MSS				API (PSI)				P	A	B	H	C	R1	E	F	R2	S			
									±0.007 (±0.005)	±0.008	±0.02	±0.02	±0.008	±0.02	+0.02	±0.008	max.				
	150	300/600	900	1500	2500	2000	3000	5000	Dimensions in inches											Lbs	Lbs
R-35*	...	...	...	3"	...	...	...	3"	5.375	0.438	0.69	0.63	0.305	0.06	0.31	0.469	0.03	0.19	1.250	1.210	
R-36	4"	...	...	...	...	...	...	...	5.875	0.313	0.56	0.50	0.206	0.06	...	...	...	...	0.813	0.735	
R-37*	...	4"	4"	...	...	4"	4"	3-1/2"	5.875	0.438	0.69	0.63	0.305	0.06	0.31	0.469	0.03	0.19	1.360	1.330	
R-38	...	...	...	...	4"	...	...	4"	6.188	0.625	0.88	0.81	0.413	0.06	...	...	...	...	2.560	2.520	
R-39*	...	...	...	4"	...	...	...	4"	6.375	0.438	0.69	0.63	0.305	0.06	0.31	0.469	0.03	0.19	1.480	1.440	
R-40	5"	...	...	...	...	...	...	...	6.750	0.313	0.56	0.50	0.206	0.06	...	...	...	...	0.935	0.865	
R-41*	...	5"	5"	...	...	5"	5"	...	7.125	0.438	0.69	0.63	0.305	0.06	0.31	0.469	0.03	0.19	1.660	1.610	
R-42	...	...	...	...	5"	...	...	...	7.500	0.750	1.00	0.94	0.485	0.06	...	...	...	...	4.210	4.160	
R-43	6"	...	...	...	...	...	...	...	7.625	0.313	0.56	0.50	0.206	0.06	...	...	...	...	1.055	0.975	
R-44*	...	...	...	5"	...	...	...	5"	7.625	0.438	0.69	0.63	0.305	0.06	0.31	0.469	0.03	0.19	1.770	1.730	
R-45*	...	6"	6"	...	...	6"	6"	...	8.313	0.438	0.69	0.63	0.305	0.06	0.31	0.469	0.03	0.19	1.930	1.880	
R-46*	...	...	...	6"	...	...	...	6"	8.313	0.500	0.75	0.69	0.341	0.06	0.38	0.531	0.06	0.19	2.390	2.330	
R-47*	...	...	...	...	6"	...	...	...	9.000	0.750	1.00	0.94	0.485	0.06	0.50	0.781	0.06	0.16	5.060	4.990	
R-48	8"	...	...	...	...	...	...	...	9.750	0.313	0.56	0.50	0.206	0.06	...	...	...	...	1.350	1.240	
R-49*	...	8"	8"	...	...	8"	8"	...	10.625	0.438	0.69	0.63	0.305	0.06	0.31	0.469	0.03	0.19	2.470	2.400	
R-50*	...	...	...	8"	...	...	...	8"	10.625	0.625	0.88	0.81	0.413	0.06	0.44	0.656	0.06	0.16	4.400	4.320	
R-51	...	...	...	...	8"	...	...	...	11.000	0.875	1.13	1.06	0.583	0.06	...	...	...	...	8.050	8.170	
R-52	10"	...	...	...	...	...	...	...	12.000	0.313	0.56	0.50	0.206	0.06	...	...	...	...	1.660	1.530	
R-53*	...	10"	10"	...	...	10"	10"	...	12.750	0.438	0.69	0.63	0.305	0.06	0.31	0.469	0.03	0.19	3.000	2.880	
R-54*	...	...	...	10"	...	...	...	10"	12.750	0.625	0.88	0.81	0.413	0.06	0.44	0.656	0.06	0.16	5.290	5.180	
R-55	...	...	...	...	10"	...	...	...	13.500	1.125	1.44	1.38	0.780	0.09	...	...	...	...	16.230	17.040	
R-56	12"	...	...	...	...	...	...	...	15.000	0.313	0.56	0.50	0.206	0.06	...	...	...	...	2.070	1.920	
R-57*	...	12"	12"	...	...	12"	12"	...	15.000	0.438	0.69	0.63	0.305	0.06	0.31	0.469	0.03	0.19	3.480	3.380	
R-58	...	...	...	12"	...	...	...	...	15.000	0.875	1.13	1.06	0.583	0.06	...	...	...	...	11.000	11.130	



## STYLE R RING DIMENSIONS

Ring No.	Pipe sizes and pressure class rating for Type R Ring Gaskets								Pitch diameter of ring (groove)	Width of ring	Height of ring oval	Height of ring octagonal	Width of flat of octagonal ring	Radius in octagonal ring	Depth of groove	Width of groove	Radius in groove	Approx. distance between made-up flanges	Weight oval	Weight octagonal	
	ANSI, BS & MSS				API (PSI)				P	A	B	H	C	R1	E	F	R2	S			
									±0.007 (±0.005)	±0.008	±0.02	±0.02	±0.008	±0.02	+0.02	±0.008	max.				
	150	300/600	900	1500	2500	2000	3000	5000	Dimensions in inches											Lbs	Lbs
R-59	14"	...	...	...	...	...	...	...	15.625	0.313	0.56	0.50	0.206	0.06	...	...	...	...	2.160	2.000	
R-60	...	...	...	...	12"	...	...	...	16.000	1.250	1.56	1.50	0.879	0.09	...	...	...	...	23.100	23.500	
R-61	...	14"	...	...	...	14"	14"	...	16.500	0.438	0.69	0.63	0.305	0.06	...	...	...	...	3.830	3.730	
R-62	...	...	14"	...	...	...	...	...	16.500	0.625	0.88	0.81	0.413	0.06	...	...	...	...	6.840	6.710	
R-63*	...	...	...	14"	...	...	...	...	16.500	1.000	1.31	1.25	0.681	0.09	0.63	1.063	0.09	0.22	16.200	16.670	
R-64	16"	...	...	...	...	...	...	...	17.875	0.313	0.56	0.50	0.206	0.06	...	...	...	...	2.470	2.290	
R-65*	...	16"	...	...	...	16"	...	...	18.500	0.438	0.69	0.63	0.305	0.06	0.31	0.469	0.03	0.19	4.300	4.180	
R-66*	...	...	16"	...	...	...	16"	...	18.500	0.625	0.88	0.81	0.413	0.06	0.44	0.656	0.06	0.16	7.670	7.530	
R-67	...	...	...	16"	...	...	...	...	18.500	1.125	1.44	1.38	0.780	0.09	...	...	...	...	22.300	23.400	
R-68	18"	...	...	...	...	...	...	...	20.375	0.313	0.56	0.50	0.206	0.06	...	...	...	...	2.820	2.600	
R-69*	...	18"	...	...	...	18"	...	...	21.000	0.438	0.69	0.63	0.305	0.06	0.31	0.469	0.03	0.19	4.870	4.740	
R-70*	...	...	18"	...	...	...	18"	...	21.000	0.750	1.00	0.94	0.485	0.06	0.50	0.781	0.06	0.19	11.800	11.640	
R-71	...	...	...	18"	...	...	...	...	21.000	1.125	1.44	1.38	0.780	0.09	...	...	...	...	25.200	26.500	
R-72	20"	...	...	...	...	...	...	...	22.000	0.313	0.56	0.50	0.206	0.06	...	...	...	...	3.040	2.810	
R-73*	...	20"	...	...	...	20"	...	...	23.000	0.500	0.75	0.69	0.341	0.06	0.38	0.531	0.06	0.13	6.600	6.470	
R-74*	...	...	20"	...	...	...	20"	...	23.000	0.750	1.00	0.94	0.485	0.06	0.50	0.781	0.06	0.19	12.950	12.750	
R-75	...	...	...	20"	...	...	...	...	23.000	1.250	1.56	1.50	0.879	0.09	...	...	...	...	33.300	35.300	
R-76	24"	...	...	...	...	...	...	...	26.500	0.313	0.56	0.50	0.206	0.06	...	...	...	...	3.660	3.380	
R-77	...	24"	...	...	...	...	...	...	27.250	0.625	0.88	0.81	0.413	0.06	...	...	...	...	11.300	11.100	
R-78	...	...	24"	...	...	...	...	...	27.250	1.000	1.31	1.25	0.681	0.09	...	...	...	...	27.100	27.580	
R-79	...	...	...	24"	...	...	...	...	27.250	1.375	1.75	1.63	0.977	0.09	...	...	...	...	48.700	49.750	
R-80	22"	...	...	...	...	...	...	...	24.250	0.313	...	0.50	0.206	0.06	...	...	...	...	...	3.110	
R-81	...	22"	...	...	...	...	...	...	25.000	0.563	...	0.75	0.377	0.06	...	...	...	...	...	8.550	
R-82*	...	...	...	...	...	...	...	...	2.250	0.438	...	0.63	0.305	0.06	0.31	0.469	0.03	0.19	...	0.508	



## STYLE R RING DIMENSIONS

Ring No.	Pipe sizes and pressure class rating for Type R Ring Gaskets								Pitch diameter of ring (groove)	Width of ring	Height of ring oval	Height of ring octagonal	Width of flat of octagonal ring	Radius in octagonal ring	Depth of groove	Width of groove	Radius in groove	Approx. distance between made-up flanges	Weight oval	Weight octagonal
	ANSI, BS & MSS				API (PSI)				P	A	B	H	C	R1	E	F	R2	S		
									±0.007 (±0.005)	±0.008	±0.02	±0.02	±0.008	±0.02	+0.02	±0.008	max.			
	150	300/600	900	1500	2500	2000	3000	5000	Dimensions in inches										Lbs	Lbs
R-84°	...	...	...	...	...	...	...	...	2.500	0.438	...	0.63	0.305	0.06	0.31	0.469	0.03	0.19	...	0.564
R-85°	...	...	...	...	...	...	...	...	3.125	0.500	...	0.69	0.341	0.06	0.38	0.531	0.06	0.13	...	0.978
R-86°	...	...	...	...	...	...	...	...	3.563	0.625	...	0.81	0.413	0.06	0.44	0.656	0.06	0.16	...	1.447
R-87°	...	...	...	...	...	...	...	...	3.938	0.625	...	0.81	0.413	0.06	0.44	0.656	0.06	0.16	...	1.597
R-88°	...	...	...	...	...	...	...	...	4.875	0.750	...	0.94	0.485	0.06	0.50	0.781	0.06	0.19	...	2.735
R-89°	...	...	...	...	...	...	...	...	4.500	0.750	...	0.94	0.485	0.06	0.50	0.781	0.06	0.19	...	2.528
R-90°	...	...	...	...	...	...	...	...	6.125	0.875	...	1.06	0.583	0.06	0.56	0.906	0.06	0.19	...	4.550
R-91°	...	...	...	...	...	...	...	...	10.250	1.250	...	1.50	0.879	0.09	0.69	1.313	0.09	0.16	2.070	15.050
R-92	...	...	...	...	...	...	...	...	9.000	0.438	0.69	0.63	0.305	0.06	...	...	...	...	...	2.020
R-93	...	26°	...	...	...	...	...	...	29.500	0.750	...	0.94	0.485	0.06	...	...	...	...	...	16.330
R-94	...	28°	...	...	...	...	...	...	31.500	0.750	...	0.94	0.485	0.06	...	...	...	...	...	17.440
R-95	...	30°	...	...	...	...	...	...	33.750	0.750	...	0.94	0.485	0.06	...	...	...	...	...	18.690
R-96	...	32°	...	...	...	...	...	...	36.000	0.875	...	1.06	0.583	0.06	...	...	...	...	...	26.650
R-97	...	34°	...	...	...	...	...	...	38.000	0.875	...	1.06	0.583	0.06	...	...	...	...	...	28.130
R-98	...	36°	...	...	...	...	...	...	40.250	0.875	...	1.06	0.583	0.06	...	...	...	...	...	29.790
R-99°	...	...	...	...	...	8°	8°	...	9.250	0.438	...	0.63	0.305	0.06	0.31	0.469	0.03	0.19	...	2.080
R-100	...	...	26°	...	...	...	...	...	29.500	1.125	...	1.38	0.780	0.09	...	...	...	...	...	
R-101	...	...	28°	...	...	...	...	...	31.500	1.250	...	1.50	0.879	0.09	...	...	...	...	...	
R-102	...	...	30°	...	...	...	...	...	33.750	1.250	...	1.50	0.879	0.09	...	...	...	...	...	
R-103	...	...	32°	...	...	...	...	...	36.000	1.250	...	1.50	0.879	0.09	...	...	...	...	...	
R-104	...	...	34°	...	...	...	...	...	38.000	1.375	...	1.63	0.977	0.09	...	...	...	...	...	
R-105	...	...	36°	...	...	...	...	...	40.250	1.375	...	1.63	0.977	0.09	...	...	...	...	...	



## 1- Style RX Available Gasket Material

Material	STANDARD		Maximum Hardness	
	UNS	ASME	Brinell	Rockwell
Soft Iron	-	D	90	56
Low Carbon Steel	-	S	120	68
4-6% Chrome 1/2% Moly (F5)	K42544	F5	130	72
Type 304 Stainless Steel	S30400	S304	160	83
Type 316 Stainless Steel	S31600	S316	160	83
Alloy 321	S32100	S321	217	95
Alloy 625	N06625	INC625	200	93
Alloy 825	N08825	IN825	160	83

## STYLE RX RING DIMENSIONS

Ring No.	Pipe sizes and pressure class rating for Type RX Ring Gaskets			Pitch diameter of ring (groove)	Outside diameter of ring	Width of ring	Width of flat	Height of outside bevel	Height of ring	Radius in ring	Depth of groove	Width of groove	Radius in groove	Approx. distance between made-up flanges	Weight											
	API (PSI)															P	OD	A"	C	D	H"	R <sub>1</sub>	E	F	R <sub>2</sub>	S
	2000	3000	5000													±0.005	+0.02 0	±0.006 0	±0.006 0	0 -0.03	+0.008 0	±0.02	+0.02 0	±0.008	max.	
	Dimensions in inches														Lbs											
RX-20	1-1/2"	1-1/2"	1-1/2"	2.688	3.000	0.344	0.182	0.125	0.750	0.06	0.25	0.344	0.03	0.38	0.527											
RX-23	2"	...	...	3.250	3.672	0.469	0.254	0.167	1.000	0.06	0.31	0.469	0.03	0.47	1.150											
RX-24	...	2"	2"	3.750	4.172	0.469	0.254	0.167	1.000	0.06	0.31	0.469	0.03	0.47	1.330											
RX-25	...	...	3-1/8"	4.000	4.313	0.344	0.182	0.125	0.750	0.06	0.25	0.344	0.03	...	1.420											
RX-26	2-1/2"	...	...	4.000	4.406	0.469	0.254	0.167	1.000	0.06	0.31	0.469	0.03	0.47	1.500											
RX-27	...	2-1/2"	2-1/2"	4.250	4.656	0.469	0.254	0.167	1.000	0.06	0.31	0.469	0.03	0.47	1.730											
RX-31	3"	3"	...	4.875	5.297	0.469	0.254	0.167	1.000	0.06	0.31	0.469	0.03	0.47	1.910											
RX-35	...	...	3"	5.375	5.797	0.469	0.254	0.167	1.000	0.06	0.31	0.469	0.03	0.47	2.090											
RX-37	4"	4"	...	5.875	6.297	0.469	0.254	0.167	1.000	0.06	0.31	0.469	0.03	0.47	2.270											
RX-39	...	...	4"	6.375	6.797	0.469	0.254	0.167	1.000	0.06	0.31	0.469	0.03	0.47	2.540											
RX-41	5"	5"	...	7.125	7.547	0.469	0.254	0.167	1.000	0.06	0.31	0.469	0.03	0.47	2.720											
RX-44	...	...	5"	7.625	8.047	0.469	0.254	0.167	1.000	0.06	0.31	0.469	0.03	0.47	2.960											
RX-45	6"	6"	...	8.313	8.734	0.469	0.254	0.167	1.000	0.06	0.31	0.469	0.03	0.47	3.660											
RX-46	...	...	6"	8.313	8.750	0.531	0.263	0.188	1.125	0.06	0.38	0.531	0.08	0.47	8.560											
RX-47	...	...	(8")	9.000	9.656	0.781	0.407	0.271	1.625	0.09	0.50	0.781	0.06	0.91	3.790											
RX-49	8"	8"	...	10.625	11.047	0.469	0.254	0.167	1.000	0.06	0.31	0.469	0.03	0.47	5.360											
RX-50	...	...	8"	10.625	11.156	0.656	0.335	0.208	1.250	0.06	0.44	0.656	0.06	0.47	4.560											
RX-53	10"	10"	...	12.750	13.172	0.469	0.254	0.167	1.000	0.06	0.31	0.469	0.030	0.47	6.450											
RX-54	...	...	10"	12.750	13.281	0.656	0.335	0.208	1.250	0.06	0.44	0.656	0.060	0.47	5.360											
RX-57	12"	12"	...	15.000	15.422	0.469	0.254	0.167	1.000	0.06	0.31	0.469	0.03	0.47	26.400											
RX-63	...	...	14"	16.500	17.391	1.063	0.582	0.333	2.000	0.09	0.63	1.063	0.09	0.84	6.630											
RX-65	16"	...	...	18.500	18.922	0.469	0.254	0.167	1.000	0.06	0.31	0.469	0.03	0.47	9.390											



## STYLE RX RING DIMENSIONS

Ring No.	Pipe sizes and pressure class rating for Type RX Ring Gaskets			Pitch diameter of ring (groove)	Outside diameter of ring	Width of ring	Width of flat	Height of outside bevel	Height of ring	Radius in ring	Depth of groove	Width of groove	Radius in groove	Approx. distance between made-up flanges	Weight
	2000	3000	5000	±0.005	+0.02 0	±0.008 0	±0.006 0	0 -0.03	+0.008 0	±0.02	+0.02 0	±0.008	max.		
				Dimensions in inches											
RX-66	...	16"	...	18.500	19.031	0.656	0.335	0.208	1.250	0.06	0.44	0.656	0.06	0.47	7.52
RX-69	18"	...	...	21.000	21.422	0.469	0.254	0.167	1.000	0.06	0.31	0.469	0.03	0.47	20.14
RX-70	...	18"	...	21	21.656	0.781	0.407	0.271	1.625	0.09	0.5	0.781	0.06	0.72	11.63
RX-73	20"	...	...	23.000	23.469	0.531	0.263	0.208	1.250	0.06	0.38	0.531	0.06	0.59	22.10
RX-74	...	20"	...	23.000	23.656	0.781	0.407	0.271	1.625	0.09	0.50	0.781	0.06	0.72	0.790
RX-82	...	...	...	2.250	2.672	0.469	0.254	0.167	1.000	0.06	0.31	0.469	0.03	0.47	0.880
RX-84	...	...	...	2.500	2.922	0.469	0.254	0.167	1.000	0.06	0.31	0.469	0.03	0.47	0.880
RX-85	...	...	...	3.125	3.547	0.531	0.263	0.167	1.000	0.06	0.38	0.531	0.06	0.38	1.79
RX-86	...	...	...	3.563	4.078	0.594	0.335	0.188	1.125	0.06	0.44	0.656	0.06	0.38	1.98
RX-87	...	...	...	3.938	4.453	0.594	0.335	0.188	1.125	0.06	0.44	0.656	0.06	0.38	3.22
RX-88	...	...	...	4.875	5.484	0.688	0.407	0.208	1.250	0.06	0.50	0.781	0.06	0.38	2.98
RX-89	...	...	...	4.500	5.109	0.719	0.407	0.208	1.250	0.06	0.50	0.781	0.06	0.38	6.82
RX-90	...	...	...	6.125	6.875	0.781	0.479	0.292	1.750	0.09	0.56	0.906	0.06	0.72	17.10
RX-91	...	...	...	10.250	11.297	1.188	0.780	0.297	1.781	0.09	0.69	1.313	0.09	0.75	3.31
RX-99	(8")	(8")	...	9.250	9.672	0.469	0.254	0.167	1.000	0.06	0.31	0.469	0.03	0.47	...
RX-201	...	...	1-3/8"	1.813	2.026	0.226	0.126	0.057 <sup>b</sup>	0.445	0.02 <sup>c</sup>	0.16	0.219	0.03	...	...
RX-205	...	...	1-13/16"	2.250	2.453	0.219	0.120	0.072 <sup>b</sup>	0.437	0.02 <sup>c</sup>	0.16	0.219	0.02	...	...
RX-210	...	...	2-9/16"	3.500	3.844	0.375	0.231	0.125 <sup>b</sup>	0.750	0.03 <sup>c</sup>	0.25	0.375	0.03	...	...
RX-215	...	...	4-1/16"	5.125	5.547	0.469	0.210	0.167 <sup>b</sup>	1.000	0.06 <sup>c</sup>	0.31	0.469	0.03	...	...



## 2- Style BX Available Gasket Material

Material	STANDARD		Maximum Hardness	
	UNS	ASME	Brinell	Rockwell
Soft Iron	-	D	90	56
Low Carbon Steel	-	S	120	68
4-6% Chrome Vt/o Moly (F5)	K42544	F5	130	72
Type 304 Stainless Steel	S30400	S304	160	83
Type 316 Stainless Steel	S31600	S316	160	83
Alloy 321	S32100	S321	217	95
Alloy 625	N06625	INC625	200	93
Alloy 825	N08825	IN825	160	83

## STYLE BX RING DIMENSIONS

Ring No.	Pipe sizes & pressure class rating for type BX ring gaskets						Outside diameter of ring	Height of ring	Width of ring	Diameter of flat	Width of flat	Hole size	Depth of groove	Outside diameter of groove	Width of groove	Weight										
	API (PSI)																OD	H <sup>a</sup>	A <sup>b</sup>	ODT	C	D	E	G	N	Lbs
	2000	3000	5000	10000	15000	20000											0 -0.006	+0.008 0	+0.008 0	±0.002	+0.006 0	±0.02	+0.02 0	+0.004 0	+0.004 0	
Dimensions in inches																										
BX-150	...	...	...	1-11/16"	1-11/16"	...	2.842	0.366	0.366	2.790	0.314	0.06	0.22	2.893	0.450	0.30										
BX-151	...	...	...	1-13/16"	1-13/16"	1-13/16"	3.008	0.379	0.379	2.954	0.325	0.06	0.22	3.062	0.466	0.34										
BX-152	...	...	...	2-1/16"	2-1/16"	2-1/16"	3.334	0.403	0.403	3.277	0.346	0.06	0.23	3.395	0.498	0.42										
BX-153	...	...	...	2-9/16"	2-9/16"	2-9/16"	3.974	0.448	0.448	3.910	0.385	0.06	0.27	4.046	0.554	0.63										
BX-154	...	...	...	3-1/16"	3-1/16"	3-1/16"	4.600	0.488	0.488	4.531	0.419	0.06	0.30	4.685	0.606	0.88										
BX-155	...	...	...	4-1/16"	4-1/16"	4-1/16"	5.825	0.560	0.560	5.746	0.481	0.06	0.33	5.930	0.698	1.22										
BX-156	...	...	...	7-1/16"	7-1/16"	7-1/16"	9.367	0.733	0.733	9.263	0.629	0.12	0.44	9.521	0.921	4.14										
BX-157	...	...	...	9"	9"	9"	11.593	0.826	0.826	11.476	0.709	0.12	0.50	11.774	1.039	6.55										
BX-158	...	...	...	11"	11"	11"	13.860	0.911	0.911	13.731	0.782	0.12	0.56	14.064	1.149	9.60										
BX-159	...	...	...	13-5/8"	13-5/8"	13-5/8"	16.800	1.012	1.012	16.657	0.869	0.12	0.62	17.033	1.279	14.41										
BX-160	...	...	...	13-5/8"	...	...	15.850	0.938	0.541	15.717	0.408	0.12	0.56	16.063	0.786	6.75										
BX-161	...	...	...	16-3/4"	...	...	19.347	1.105	0.638	19.191	0.482	0.12	0.67	19.604	0.930	11.50										
BX-162	...	...	...	16-3/4"	16-3/4"	16-3/4"	18.720	0.560	0.560	18.641	0.481	0.06	0.33	18.832	0.705	5.00										
BX-163	...	...	...	18-3/4"	...	...	21.896	1.185	0.684	21.728	0.516	0.12	0.72	22.185	1.006	14.50										
BX-164	...	...	...	18-3/4"	18-3/4"	...	22.463	1.185	0.968	22.295	0.800	0.12	0.72	22.752	1.290	21.50										
BX-165	...	...	...	21-1/4"	...	...	24.595	1.261	0.728	24.417	0.550	0.12	0.75	24.904	1.071	19.00										
BX-166	...	...	...	21-1/4"	...	...	25.198	1.261	1.029	25.020	0.851	0.12	0.75	25.507	1.373	27.50										
BX-167	26-3/4"	...	...	...	...	...	29.896	1.412	0.516	29.696	0.316	0.06	0.84	30.249	0.902	17.00										
BX-168	...	26-3/4"	...	...	...	...	30.128	1.412	0.632	29.928	0.432	0.06	0.84	30.481	1.018											
BX-169	...	...	...	5-1/8"	...	...	6.831	0.624	0.509	6.743	0.421	0.06	0.38	6.955	0.666	1.76										
BX-170	...	...	...	6-5/8"	6-5/8"	...	8.584	0.560	0.560	8.505	0.481	0.06	0.33	8.696	0.705	2.23										
BX-171	...	...	...	8-9/16"	8-9/16"	...	10.529	0.560	0.560	10.450	0.481	0.06	0.33	10.641	0.705											
BX-172	...	...	...	11-5/32"	11-5/32"	...	13.113	0.560	0.560	13.034	0.481	0.06	0.33	13.226	0.705											
BX-303	30"	30"	...	...	...	...	33.573	1.494	0.668	33.361	0.457	0.06	0.89	33.949	1.078											

Radius R shall be 8% to 12% of the gasket height H. One pressure-passage hole required per gasket on centerline

a- Break sharp corner on inside diameter of groove

b- A plus tolerance of 0.088 in for width of 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