

Vestpak : Ring Joints Types

RTJ : Type R

ASME B16.20 - API 6A



Type R octagonal

Oval and octagonal configurations are interchangeable on flat-bottomed groove flanges that have a 23° angle groove wall.

For Flanges:

ASME/ANSI B16.5 - ISO/DIS7005 -
ASME B16.47 Series A (MSS SP44)



Type R oval

An oval ring joint flange that was designed for a flange that is now out of production. This flange had a rounded bottom ring groove. Oval and octagonal configurations are interchangeable on flat-bottomed groove flanges that have a 23° angle groove wall.

ASME-ANSI	ISO	150# (PN 20)	3/600# (PN 50 / 100)	900# (PN 150)	1500# (PN 250)	2500# (PN 420)
1/2"	15		R 11	R 12	R 12	R 13
3/4"	20		R 13	R 14	R 14	R 16
1"	25	R 15	R 16	R 16	R 16	R 18
1 1/4"	32	R 17	R 18	R 18	R 18	R 21
1 1/2"	40	R 19	R 20	R 20	R 20	R 23
2"	50	R 22	R 23	R 24	R 24	R 26
2 1/2"	65	R 25	R 26	R 27	R 27	R 28
3"	80	R 29	R 31	R 31	R 35	R 32
3 1/2"	90	R 33	R 34			
4"	100	R 36	R 37	R 37	R 39	R 38
5"	125	R 40	R 41	R 41	R 44	R 42
6"	150	R 43	R 45	R 45	R 46	R 47
8"	200	R 48	R 49	R 49	R 50	R 51
10"	250	R 52	R 53	R 53	R 54	R 55
12"	300	R 56	R 57	R 57	R 58	R 60
14"	350	R 59	R 61	R 62	R 63	
16"	400	R 64	R 65	R 66	R 67	
18"	450	R 68	R 69	R 70	R 71	
20"	500	R 72	R 73	R 74	R 75	
22"	550	R 80	R 81			
24"	600	R 76	R 77	R 78	R 79	
26"	650		R 93	R 100		
28"	700		R 94	R 101		
32"	800		R 96	R 103		
30"	750		R 95	R 102		
34"	850		R 97	R 104		
36"	900		R 98	R 105		

Vestpak : Ring Joints Types

RTJ : Type RX

ASME B16.20 - API 6A

For Flanges: API 6B



Type RX

RX is a gasket designed for pressures up to approx. 700 bar. This is a self-sealing gasket that uses a pressure-engorged effect, which improves the efficiency of the seal as the pressure rises. The RX series is interchangeable with the R series.

Nom Dia	2000	3000	5000
1 3/8"			RX 201
1 1/2"	RX 20	RX 20	RX 20
1 13/16"			RX 205
2"	RX 23	RX 24	RX 24
2 1/2"	RX 26	RX 27	RX 27
2 9/16"			RX 210
3"	RX 31	RX 31	RX 35
3 1/8"			RX 25
4"	RX 37	RX 37	RX 39
4 1/16"			RX 215
5"	RX 41	RX 41	RX 44
6"	RX 45	RX 45	RX 46
8"	RX 49	RX 49	RX 50
10"	RX 53	RX 53	RX 54
12"	RX 57	RX 57	
14"			RX 63
16"	RX 65	RX 66	
18"	RX 69	RX 70	
20"	RX 73	RX 74	

RTJ : Type BX

ASME B16.20 - API 6A

For Flanges: API 6BX



Type BX

BX is a gasket designed for very high pressures up to approx. 1,500 bar. These rings may only be used in connection with API type BX flanges and grooves. The BX ring has a through horizontal hole that acts as a pressure equaliser.

Nom Dia	2000	3000	5000	10000	15000	20000
1 11/16"				BX 150	BX 150	
1 13/16"				BX 151	BX 151	BX 151
2 1/16"				BX 152	BX 152	BX 152
2 9/16"				BX 153	BX 153	BX 153
3 1/16"				BX 154	BX 154	BX 154
4 1/16"				BX 155	BX 155	BX 155
5 1/8"				BX 169		
6 5/8"				BX 170	BX 170	
7 1/16"				BX 156	BX 156	BX 156
8 9/16"				BX 171	BX 171	
9"				BX 157	BX 157	BX 157
11"				BX 158	BX 158	BX 158
11 5/32"				BX 172	BX 172	
13 5/8"			BX 160	BX 159	BX 159	BX 159
16 3/4"			BX 161/162	BX 162	BX 162	
18 3/4"			BX 163	BX 164	BX 164	
21 1/4"			BX 165	BX 166		
26 3/4"	BX 167	BX 168				
30"	BX 303	BX 303				

Vestpak : Ring Joints Materials

Name	UNS no	Identification	Max hardness
Soft Iron		D	56 HRB
Low-Carbon Steel		S	68 HRB
Type 304	S30400	S304	83HRB
Type 316	S31600	S316	83HRB
Type 254	S31254	S254	89HRB
Type 904	N08904	N904	83HRB
Incoloy 825	N08825	N825	(*)
Inconel 625	N06625	N625	(*)
Inconel 600	N06600	N600	(*)
Type 410	S41000	S410	86HRB
Type 347	S34700	S347	83HRB
Duplex	S31803	S803	(*)
Titan	R----(*)	R----(*)	(*)
Type F5	K41545	F5	72HRB

(*) To be specified by customer