

Annex 4.3

FF and RF gasket (non-metallic) dimensions per ASME B16.21 for ASME 16.5 flanges Pressure Class 150 and 300 psi - dimensions in inches

Nominal Diameter	Style	Inside Diameter	Outside Diameter		Bolt Circle		No. of Bolts		Hole Diameter	
			150 psi	300 psi	150 psi	300 psi	150 psi	300 psi	150 psi	300 psi
1/2	FF	0.84	3.50	3.75	2.38	2.62	4	4	0.62	0.62
	RF		1.88	2.12						
3/4	FF	1.06	3.88	4.62	2.75	3.25	4	4	0.62	0.75
	RF		2.25	2.62						
1	FF	1.31	4.25	4.88	3.12	3.50	4	4	0.62	0.75
	RF		2.62	2.88						
1 1/4	FF	1.66	4.63	5.25	3.50	3.88	4	4	0.62	0.75
	RF		3.00	3.25						
1 1/2	FF	1.91	5.00	6.12	3.88	4.50	4	4	0.62	0.88
	RF		3.38	3.75						
2	FF	2.38	6.00	6.50	4.75	5.00	4	8	0.75	0.75
	RF		4.12	4.38						
2 1/2	FF	2.88	7.00	7.50	5.50	5.88	4	8	0.75	0.88
	RF		4.88	5.12						
3	FF	3.50	7.50	8.25	6.00	6.62	4	8	0.75	0.88
	RF		5.38	5.88						
3 1/2	FF	4.00	8.50	9.00	7.00	7.25	8	8	0.75	0.88
	RF		6.38	6.50						
4	FF	4.50	9.00	10.00	7.50	7.88	8	8	0.75	0.88
	RF		6.88	7.12						
5	FF	5.56	10.00	11.00	8.50	9.25	8	8	0.88	0.88
	RF		7.75	8.50						
6	FF	6.62	11.00	12.50	9.50	10.62	8	12	0.88	0.88
	RF		8.75	9.88						
8	FF	8.62	13.50	15.00	11.75	13.00	8	12	0.88	0.88
	RF		11.00	12.12						
10	FF	10.75	16.00	17.50	14.25	15.25	12	16	1.00	1.12
	RF		13.38	14.25						
12	FF	12.75	19.00	20.50	17.00	17.75	12	16	1.00	1.25
	RF		16.13	16.62						
14	FF	14.00	21.00	23.00	18.75	20.25	12	20	1.12	1.25
	RF		17.75	19.12						
16	FF	16.00	23.50	25.50	21.25	22.50	16	20	1.12	1.38
	RF		20.25	21.25						
18	FF	18.00	25.00	28.00	22.75	24.75	16	24	1.25	1.38
	RF		21.62	23.50						
20	FF	20.00	27.50	30.50	25.00	27.00	20	24	1.25	1.38
	RF		23.88	25.75						
24	FF	24.00	32.00	36.00	29.50	32.00	20	24	1.38	1.62
	RF		28.25	30.50						