

**ASME B16.21 & B16.47 Gasket Dimensions for ASME B16.5  
150# Flanges**

Pipe Size	Gasket I.D.	Ring	Full Face			
		Gasket O.D.	Gasket O.D.	Bolt Circle	Bolt Hole Qty.	Bolt Hole Dia.
0.5	0.84	1.88	3.50	2.38	4	0.63
0.75	1.06	2.25	3.88	2.75	4	0.63
1	1.31	2.62	4.25	3.13	4	0.63
1.25	1.66	3.00	4.63	3.50	4	0.63
1.5	1.91	3.38	5.00	3.88	4	0.63
2	2.38	4.12	6.00	4.75	4	0.75
2.5	2.88	4.88	7.00	5.50	4	0.75
3	3.50	5.38	7.50	6.00	4	0.75
3.5	4.00	6.38	8.50	7.00	8	0.75
4	4.50	6.88	9.00	7.50	8	0.75
5	5.56	7.75	10.00	8.50	8	0.88
6	6.62	8.75	11.00	9.50	8	0.88
8	8.62	11.00	13.50	11.75	8	0.88
10	10.75	13.38	16.00	14.25	12	1.00
12	12.75	16.13	19.00	17.00	12	1.00
14	14.00	17.75	21.00	18.75	12	1.13
16	16.00	20.25	23.50	21.25	16	1.13
18	18.00	21.62	25.00	22.75	16	1.25
20	20.00	23.88	27.50	25.00	20	1.25
24	24.00	28.25	32.00	29.50	20	1.38

Series A		Ring	Full Face			
Pipe Size	Gasket I.D.	Gasket O.D.	Gasket O.D.	Bolt Circle	Bolt Hole Qty.	Bolt Hole Dia.
26	26.00	30.50	34.25	31.75	24	1.38
28	28.00	32.75	36.50	34.00	28	1.38
30	30.00	34.75	38.75	36.00	28	1.38
32	32.00	37.00	41.75	38.50	28	1.63
34	34.00	39.00	43.75	40.50	32	1.63
36	36.00	41.25	46.00	42.75	32	1.63
38	38.00	43.75	48.75	45.25	32	1.63
40	40.00	45.75	50.75	47.25	36	1.63
42	42.00	48.00	53.00	49.50	36	1.63
44	44.00	50.25	55.25	51.75	40	1.63
46	46.00	52.25	57.25	53.75	40	1.63
48	48.00	54.50	59.50	56.00	44	1.63
50	50.00	56.50	61.75	58.25	44	1.88
52	52.00	58.75	64.00	60.50	44	1.88
54	54.00	61.00	66.25	62.75	44	1.88
56	56.00	63.25	68.75	65.00	48	1.88
58	58.00	65.50	71.00	67.25	48	1.88
60	60.00	67.50	73.00	69.25	52	1.88

Series B		Ring	Full Face			
Pipe Size	Gasket I.D.	Gasket O.D.	Gasket O.D.	Bolt Circle	Bolt Hole Qty.	Bolt Hole Dia.
26	26.00	28.56	30.94	29.31	36	0.88
28	28.00	30.56	32.94	31.31	40	0.88
30	30.00	32.56	34.94	33.31	44	0.88
32	32.00	34.69	37.06	35.44	48	0.88
34	34.00	36.81	39.56	37.69	40	1
36	36.00	38.88	41.62	39.75	44	1
38	38.00	41.12	44.25	42.12	40	1.12
40	40.00	43.12	46.25	44.12	44	1.12
42	42.00	45.12	48.25	46.12	48	1.12
44	44.00	47.12	50.25	48.12	52	1.12
46	46.00	49.44	52.81	50.56	40	1.25
48	48.00	51.44	54.81	52.56	44	1.25
50	50.00	53.44	56.81	54.56	48	1.25
52	52.00	55.44	58.81	56.56	52	1.25
54	54.00	57.62	61	58.75	56	1.25
56	56.00	59.62	63	60.75	60	1.25
58	58.00	62.19	65.94	63.44	48	1.38
60	60.00	64.19	67.94	65.44	52	1.38

**ASME B16.21 & B16.47 Gasket Dimensions for ASME B16.5  
300# Flanges**

Pipe Size	Gasket I.D.	Ring	Full Face			
		Gasket O.D.	Gasket O.D.	Bolt Circle	Bolt Hole Qty.	Bolt Hole Dia.
0.5	0.84	2.12	3.75	2.62	4	0.63
0.75	1.06	2.62	4.62	3.25	4	0.75
1	1.31	2.88	4.88	3.50	4	0.75
1.25	1.66	3.25	5.25	3.88	4	0.75
1.5	1.91	3.75	6.12	4.50	4	0.88
2	2.38	4.38	6.50	5.00	8	0.75
2.5	2.88	5.12	7.50	5.88	8	0.88
3	3.50	5.88	8.25	6.62	8	0.88
3.5	4.00	6.50	9.00	7.25	8	0.88
4	4.50	7.12	10.00	7.88	8	0.88
5	5.56	8.50	11.00	9.25	8	0.88
6	6.62	9.88	12.50	10.62	12	0.88
8	8.62	12.12	15.00	13.00	12	1.00
10	10.75	14.25	17.50	15.25	16	1.12
12	12.75	16.62	20.50	17.75	16	1.25
14	14.00	19.12	23.00	20.25	20	1.25
16	16.00	21.25	25.50	22.50	20	1.38
18	18.00	23.50	28.00	24.75	24	1.38
20	20.00	25.75	30.50	27.00	24	1.38
24	24.00	30.50	36.00	32.00	24	1.62

Series A	Ring		Full Face			
Pipe Size	Gasket I.D.	Gasket O.D.	Gasket O.D.	Bolt Circle	Bolt Hole Qty.	Bolt Hole Dia.
26	26.00	32.88	38.25	34.50	28	1.75
28	28.00	35.38	40.75	37.00	28	1.75
30	30.00	37.50	43.00	39.25	28	1.88
32	32.00	39.62	45.25	41.50	28	2.00
34	34.00	41.62	47.50	43.50	28	2.00
36	36.00	44.00	50.00	46.00	32	2.12
38	38.00	41.50	46.00	43.00	32	1.62
40	40.00	43.88	48.75	45.50	32	1.75
42	42.00	45.88	50.75	47.50	32	1.75
44	44.00	48.00	53.25	49.75	32	1.88
46	46.00	50.12	55.75	52.00	28	2.00
48	48.00	52.12	57.75	54.00	32	2.00
50	50.00	54.25	60.25	56.25	32	2.12
52	52.00	56.25	62.25	58.25	32	2.12
54	54.00	58.75	65.25	61.00	28	2.38
56	56.00	60.75	67.25	63.00	28	2.38
58	58.00	62.75	69.25	65.00	32	2.38
60	60.00	64.75	71.25	67.00	32	2.38

<b>Series B</b>		<b>Ring</b>	<b>Full Face</b>			
<b>Pipe Size</b>	<b>Gasket I.D.</b>	<b>Gasket O.D.</b>	<b>Gasket O.D.</b>	<b>Bolt Circle</b>	<b>Bolt Hole Qty.</b>	<b>Bolt Hole Dia.</b>
26	26.00	30.38	34.12	31.62	32	1.38
28	28.00	32.5	36.25	33.75	36	1.38
30	30.00	34.88	39	36.25	36	1.5
32	32.00	37	41.5	38.5	32	1.62
34	34.00	39.12	43.62	40.62	36	1.62
36	36.00	41.25	46.12	42.88	32	1.75
38	38.00	43.25	48.12	44.88	36	1.75
40	40.00	45.25	50.12	46.88	40	1.75
42	42.00	47.25	52.5	49	36	1.88
44	44.00	49.25	54.5	51	40	1.88
46	46.00	51.88	57.5	53.75	36	2
48	48.00	53.88	59.5	55.75	40	2
50	50.00	55.88	61.5	57.75	44	2
52	52.00	57.88	63.5	59.75	48	2
54	54.00	61.25	65.88	62.12	48	2
56	56.00	62.75	69.5	65	36	2.38
58	58.00	65.19	71.94	67.44	40	2.38
60	60.00	67.12	73.94	69.44	40	2.38

**ASME B16.21 & B16.47 Gasket Dimensions for ASME B16.5  
400# Flanges**

**PLEASE CHECK SERVICE CONDITIONS**

Pipe Size	Gasket I.D.	Ring	Full Face			
		Gasket O.D.	Gasket O.D.	Bolt Circle	Bolt Hole Qty.	Bolt Hole Dia.
0.5	0.84	2.12	3.75	2.62	4	0.63
0.75	1.06	2.62	4.62	3.25	4	0.75
1	1.31	2.88	4.88	3.50	4	0.75
1.25	1.66	3.25	5.25	3.88	4	0.75
1.5	1.91	3.75	6.12	4.50	4	0.88
2	2.38	4.38	6.50	5.00	8	0.75
2.5	2.88	5.12	7.50	5.88	8	0.88
3	3.50	5.88	8.25	6.62	8	0.88
3.5	4.00	6.38	9.00	7.25	8	1.00
4	4.50	7.00	10.00	7.88	8	1.00
5	5.56	8.38	11.00	9.25	8	1.00
6	6.62	9.75	12.50	10.62	12	1.00
8	8.62	12.00	15.00	13.00	12	1.12
10	10.75	14.12	17.50	15.25	16	1.25
12	12.75	16.50	20.50	17.75	16	1.38
14	14.00	19.00	23.00	20.25	20	1.38
16	16.00	21.12	25.50	22.50	20	1.50
18	18.00	23.38	28.00	24.75	24	1.50
20	20.00	25.50	30.50	27.00	24	1.62
24	24.00	30.25	36.00	32.00	24	1.88

Series A		Ring	Full Face			
Pipe Size	Gasket I.D.	Gasket O.D.	Gasket O.D.	Bolt Circle	Bolt Hole Qty.	Bolt Hole Dia.
26	26.00	32.75	38.25	34.50	28	1.88
28	28.00	35.12	40.75	37.00	28	2.00
30	30.00	37.25	43.00	39.25	28	2.12
32	32.00	39.50	45.25	41.50	28	2.12
34	34.00	41.50	47.50	43.50	28	2.12
36	36.00	44.00	50.00	46.00	32	2.12
38	38.00	42.26	47.50	44.00	32	1.88
40	40.00	44.58	50.00	46.25	32	2.00
42	42.00	46.38	52.00	48.25	32	2.00
44	44.00	48.50	54.50	50.50	32	2.12
46	46.00	50.75	56.75	52.75	36	2.12
48	48.00	53.00	59.50	55.25	28	2.38
50	50.00	55.25	61.75	57.50	32	2.38
52	52.00	57.26	63.75	59.50	32	2.38
54	54.00	59.75	67.00	62.25	28	2.62
56	56.00	61.75	69.00	64.25	32	2.62
58	58.00	63.75	71.00	66.25	32	2.62
60	60.00	66.25	74.25	69.00	32	2.88

<b>Series B</b>		<b>Ring</b>	<b>Full Face</b>			
<b>Pipe Size</b>	<b>Gasket I.D.</b>	<b>Gasket O.D.</b>	<b>Gasket O.D.</b>	<b>Bolt Circle</b>	<b>Bolt Hole Qty.</b>	<b>Bolt Hole Dia.</b>
26	26.00	29.38	33.5	30.75	28	1.5
28	28.00	31.5	36	33	24	1.62
30	30.00	33.75	38.25	35.25	28	1.62
32	32.00	35.88	40.75	37.5	28	1.75
34	34.00	37.88	42.75	39.5	32	1.75
36	36.00	40.25	45.5	42	28	1.88

Dimensions for >38" are the same as Series A flanges.

**ASME B16.21 & B16.47 Gasket Dimensions for ASME B16.5  
600# Flanges**

**PLEASE CHECK SERVICE CONDITIONS**

Pipe Size	Gasket I.D.	Ring	Full Face			
		Gasket O.D.	Gasket O.D.	Bolt Circle	Bolt Hole Qty.	Bolt Hole Dia.
0.5	0.84	2.12	3.75	2.62	4	0.63
0.75	1.06	2.62	4.62	3.25	4	0.75
1	1.31	2.88	4.88	3.50	4	0.75
1.25	1.66	3.25	5.25	3.88	4	0.75
1.5	1.91	3.75	6.12	4.50	4	0.88
2	2.38	4.38	6.50	5.00	8	0.75
2.5	2.88	5.12	7.50	5.88	8	0.88
3	3.50	5.88	8.25	6.62	8	0.88
3.5	4.00	6.38	9.00	7.25	8	1.00
4	4.50	7.62	10.75	8.50	8	1.00
5	5.56	9.50	13.00	10.50	8	1.12
6	6.62	10.50	14.00	11.50	12	1.12
8	8.62	12.62	16.50	13.75	12	1.25
10	10.75	15.75	20.00	17.00	16	1.38
12	12.75	18.00	22.00	19.25	20	1.38
14	14.00	19.38	23.75	20.75	20	1.50
16	16.00	22.25	27.00	23.75	20	1.62
18	18.00	24.12	29.25	25.75	20	1.75
20	20.00	26.88	32.00	28.50	24	1.75
24	24.00	31.12	37.00	33.00	24	2.00

Series A		Ring	Full Face			
Pipe Size	Gasket I.D.	Gasket O.D.	Gasket O.D.	Bolt Circle	Bolt Hole Qty.	Bolt Hole Dia.
26	26.00	34.12	40.00	36.00	28	2.00
28	28.00	36.00	42.25	38.00	28	2.12
30	30.00	38.25	44.50	40.25	28	2.12
32	32.00	40.25	47.00	42.50	28	2.38
34	34.00	42.25	49.00	44.50	28	2.38
36	36.00	44.50	51.75	47.00	28	2.62
38	38.00	43.50	50.00	45.75	28	2.38
40	40.00	45.50	52.00	47.75	32	2.38
42	42.00	48.00	55.25	50.50	28	2.62
44	44.00	50.00	57.25	52.50	32	2.62
46	46.00	52.26	59.50	54.75	32	2.62
48	48.00	54.75	62.75	57.50	32	2.88
50	50.00	57.00	65.75	60.00	28	3.12
52	52.00	59.00	67.75	62.00	32	3.12
54	54.00	61.25	70.00	64.25	32	3.12
56	56.00	63.50	73.00	66.75	32	3.38
58	58.00	65.50	75.00	68.75	32	3.38
60	60.00	67.75	78.50	71.75	28	3.62

Series B		Ring	Full Face			
Pipe Size	Gasket I.D.	Gasket O.D.	Gasket O.D.	Bolt Circle	Bolt Hole Qty.	Bolt Hole Dia.
26	26.00	30.12	35	31.75	28	1.75
28	28.00	32.25	37.5	34	28	1.88
30	30.00	34.62	40.25	36.5	28	2
32	32.00	36.75	42.75	38.75	28	2.12
34	34.00	39.25	45.75	41.5	24	2.38
36	36.00	41.25	47.75	43.5	28	2.38

Dimensions for >38" are the same as Series A flanges.



**ASME B16.21 & B16.47 Gasket Dimensions for ASME B16.5  
900# Flanges**

**PLEASE CHECK SERVICE CONDITIONS.**

Pipe Size	Gasket I.D.	Ring	Full Face			
		Gasket O.D.	Gasket O.D.	Bolt Circle	Bolt Hole Qty.	Bolt Hole Dia.
0.5	0.84	2.50	4.75	3.25	4	0.88
0.75	1.06	2.75	5.12	3.50	4	0.88
1	1.31	3.13	5.88	4.00	4	1.00
1.25	1.66	3.51	6.25	4.38	4	1.00
1.5	1.91	3.89	7.00	4.88	4	1.12
2	2.38	5.63	8.50	6.50	8	1.00
2.5	2.88	6.51	9.62	7.50	8	1.12
3	3.50	6.88	10.50	8.00	8	1.25
4	4.50	8.25	12.25	9.50	8	1.38
5	5.56	10.01	14.75	11.50	8	1.62
6	6.62	11.13	15.50	12.50	12	1.50
8	8.62	13.88	19.00	15.50	12	1.75
10	10.75	17.13	23.00	19.00	12	2.00
12	12.75	20.51	26.50	22.50	16	2.12
14	14.00	22.75	29.50	25.00	16	2.38
16	16.00	25.26	32.50	27.75	16	2.62
18	18.00	27.75	36.00	30.50	16	2.88
20	20.00	29.76	38.75	32.75	16	3.12
24	24.00	35.51	46.00	39.00	16	3.62

Series A	Ring		Full Face			
Pipe Size	Gasket I.D.	Gasket O.D.	Gasket O.D.	Bolt Circle	Bolt Hole Qty.	Bolt Hole Dia.
26	26.00	34.75	42.75	37.50	20	2.88
28	28.00	37.26	46.00	40.25	20	3.12
30	30.00	39.76	48.50	42.75	20	3.12
32	32.00	42.25	51.75	45.50	20	3.38
34	34.00	44.76	55.00	48.25	20	3.62
36	36.00	47.26	57.50	50.75	20	3.62
38	38.00	47.26	57.50	50.75	20	3.62
40	40.00	49.26	59.50	52.75	24	3.62
42	42.00	51.26	61.50	54.75	24	3.62
44	44.00	53.87	64.88	57.62	24	3.88
46	46.00	56.51	68.25	60.50	24	4.12
48	48.00	58.51	70.25	62.50	24	4.12

<b>Series B</b>		<b>Ring</b>	<b>Full Face</b>			
<b>Pipe Size</b>	<b>Gasket I.D.</b>	<b>Gasket O.D.</b>	<b>Gasket O.D.</b>	<b>Bolt Circle</b>	<b>Bolt Hole Qty.</b>	<b>Bolt Hole Dia.</b>
26	26.00	33.01	40.25	35.5	20	2.62
28	28.00	35.50	43.5	38.25	20	2.88
30	30.00	37.76	46.5	40.75	20	3.12
32	32.00	40.01	48.75	43	20	3.12
34	34.00	42.25	51.75	45.5	20	3.38
36	36.00	44.26	53	47.25	24	3.12

Dimensions for >38" are the same as Series A flanges.

**ASME B16.21 & B16.47 Gasket Dimensions for ASME B16.5**  
**1500# Flanges**

**PLEASE CHECK SERVICE CONDITIONS.**

Pipe Size	Gasket I.D.	Ring	Full Face			
		Gasket O.D.	Gasket O.D.	Bolt Circle	Bolt Hole Qty.	Bolt Hole Dia.
0.5	0.84	2.50	4.75	3.25	4	0.88
0.75	1.06	2.75	5.12	3.50	4	0.88
1	1.31	3.13	5.88	4.00	4	1.00
1.25	1.66	3.51	6.25	4.38	4	1.00
1.5	1.91	3.89	7.00	4.88	4	1.12
2	2.38	5.63	8.50	6.50	8	1.00
2.5	2.88	6.51	9.62	7.50	8	1.12
3	3.50	7.13	9.50	8.00	8	1.00
4	4.50	8.13	12.25	9.25	8	1.25
5	5.56	9.75	14.75	11.00	8	1.38
6	6.62	11.38	15.50	12.50	12	1.25
8	8.62	14.13	19.00	15.50	12	1.50
10	10.75	17.13	23.00	18.50	16	1.50
12	12.75	19.63	26.50	21.00	20	1.50
14	14.00	20.51	29.50	22.00	20	1.62
16	16.00	22.63	32.50	24.25	20	1.75
18	18.00	25.13	36.00	27.00	20	2.00
20	20.00	27.51	38.75	29.50	20	2.12
24	24.00	33.01	46.00	35.50	20	2.62

**ASME B16.21 & B16.47 Gasket Dimensions for ASME B16.5**  
**2500# Flanges**

**PLEASE CHECK SERVICE CONDITIONS.**

Pipe Size	Gasket I.D.	Ring	Full Face			
		Gasket O.D.	Gasket O.D.	Bolt Circle	Bolt Hole Qty.	Bolt Hole Dia.
0.5	0.84	2.75	5.25	3.50	4	0.88
0.75	1.06	3.00	5.50	3.75	4	0.88
1	1.31	3.38	6.25	4.25	4	1.00
1.25	1.66	4.13	7.25	5.12	4	1.12
1.5	1.91	4.63	8.00	5.75	4	1.25
2	2.38	5.76	9.25	6.75	8	1.12
2.5	2.88	6.63	10.50	7.75	8	1.25
3	3.50	7.75	12.00	9.00	8	1.38
4	4.50	9.26	14.00	10.75	8	1.62
5	5.56	11.00	16.50	12.75	8	1.88
6	6.62	12.51	19.00	14.50	8	2.12
8	8.62	15.26	21.75	17.25	12	2.12
10	10.75	18.76	26.50	21.25	12	2.62
12	12.75	21.63	30.00	24.38	12	2.88