

ANSI B16.5 – Class 150 for Carbon and Stainless Steel Flange

Pipe Size (inches)	Flange Outside Diameter (inches)	Pipe Inside Diameter (inches)	Number of Bolt Holes	Bolt Hole Diameter (inches) ¹⁾	Bolt Circle (inches)
1/2	3-1/2	0.88	4	5/8	2-3/8
3/4	3-7/8	1.09	4	5/8	2-3/4
1	4-1/4	1.36	4	5/8	3-1/8
1-1/4	4-5/8	1.70	4	5/8	3-1/2
1-1/2	5	1.95	4	5/8	3-7/8
2	6	2.44	4	3/4	4-3/4
2-1/2	7	2.94	4	3/4	5-1/2
3	7-1/2	3.57	4	3/4	6
3-1/2	8-1/2	4.07	8	3/4	7
4	9	4.60	8	3/4	7-1/2
5	10	5.66	8	7/8	8-1/2
6	11	6.72	8	7/8	9-1/2
8	13-1/2	8.72	8	7/8	11-3/4
10	16	10.88	12	1	14-1/4
12	19	12.88	12	1	17
14	21	14.14	12	1-1/8	18-3/4
16	23-1/2	16.16	16	1-1/8	21-1/4
18	25	18.18	16	1-1/4	22-3/4
20	27-1/2	20.20	20	1-1/4	25
24	32	24.25	20	1-3/8	29-1/2

ANSI B16.5 – Class 300 for Carbon and Stainless Steel Flange

Pipe Size (inches)	Flange Outside Diameter (inches)	Pipe Inside Diameter (inches)	Number of Bolt Holes	Bolt Hole Diameter (inches) ¹⁾	Bolt Circle (inches)
1/2	3-3/4	0.88	4	5/8	2-5/8
3/4	4-5/8	1.09	4	3/4	3-1/4
1	4-7/8	1.36	4	3/4	3-1/2
1-1/4	5-1/4	1.70	4	3/4	3-7/8
1-1/2	6-1/8	1.95	4	7/8	4-1/2
2	6-1/2	2.44	8	3/4	5
2-1/2	7-1/2	2.94	8	7/8	5-7/8
3	8-1/4	3.57	8	7/8	6-5/8
3-1/2	9	4.07	8	7/8	7-1/4
4	10	4.57	8	7/8	7-7/8
5	11	5.66	8	7/8	9-1/4
6	12-1/2	6.72	12	7/8	10-5/8
8	15	8.72	12	1	13
10	17-1/2	10.88	16	1-1/8	15-1/4
12	20-1/2	12.88	16	1-1/4	17-3/4
14	23	14.14	20	1-1/4	20-1/4
16	25-1/2	16.16	20	1-3/8	22-1/2
18	28	18.18	24	1-3/8	24-3/4
20	30-1/2	20.20	24	1-3/8	27
24	36	24.25	24	1-5/8	32