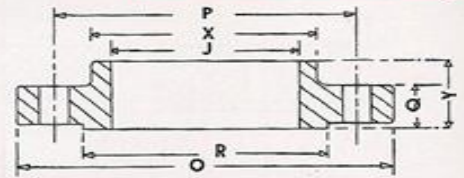


**DIMENSIONS OF SLIP ON FLANGES ■ ANSI B16.5-1988**



**CLASS 150**

Nominal Pipe Size	Outside Diameter of Flange		Thickness of Flange (min)		Diameter of Raised Face		Diameter of Bore		Length Through Hub		Diameter of Hub at Base		Number of Bolt Holes	Diameter of Bolt		Diameter of Bolt Circle	
	O		Q		R		J		Y		X				P		
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	n	inch	mm	inch	mm
1/2	3 1/2	88.9	7/16	11.1	1 3/8	34.9	0.88	22.40	5/8	15.9	1 3/16	30.2	4	1/2	12.7	2 3/8	60.3
3/4	3 7/8	98.4	1/2	12.7	1 11/16	42.9	1.09	27.70	5/8	15.9	1 1/2	38.1	4	1/2	12.7	2 3/4	69.9
1	4 1/4	108.0	9/16	14.3	2	50.8	1.36	34.50	11/16	17.5	1 15/16	49.2	4	1/2	12.7	3 1/8	79.4
1 1/4	4 5/8	117.5	5/8	15.9	2 1/2	63.5	1.70	43.20	13/16	20.6	2 5/16	58.7	4	1/2	12.7	3 1/2	88.9
1 1/2	5	127.0	11/16	17.5	2 7/8	73.0	1.95	49.50	7/8	22.2	2 9/16	65.1	4	1/2	12.7	3 7/8	98.4
2	6	152.4	3/4	19.1	3 5/8	92.1	2.44	62.00	1	25.4	3 1/16	77.8	4	5/8	15.9	4 3/4	120.7
2 1/2	7	177.8	7/8	22.2	4 1/8	104.8	2.94	74.70	1 1/8	28.6	3 9/16	90.5	4	5/8	15.9	5 1/2	139.7
3	7 1/2	190.5	15/16	23.8	5	127.0	3.57	90.70	1 3/16	30.2	4 1/4	108.0	4	5/8	15.9	6	152.4
3 1/2	8 1/2	215.9	15/16	23.8	5 1/2	139.7	4.07	103.40	1 1/4	31.8	4 13/16	122.2	8	5/8	15.9	7	177.8
4	9	228.6	15/16	23.8	6 3/16	157.2	4.57	116.10	1 5/16	33.3	5 5/16	134.9	8	5/8	15.9	7 1/2	190.5
5	10	254.0	15/16	23.8	7 5/16	185.7	5.66	143.80	1 7/16	36.5	6 7/16	163.5	8	3/4	19.1	8 1/2	215.9
6	11	279.4	1	25.4	8 1/2	215.9	6.72	170.70	1 9/16	39.7	7 9/16	192.1	8	3/4	19.1	9 1/2	241.3
8	13 1/2	342.9	1 1/8	28.6	10 5/8	269.9	8.72	221.50	1 3/4	44.5	9 11/16	246.1	8	3/4	19.1	11 3/4	298.5
10	16	406.4	1 3/16	30.2	12 3/4	323.9	10.88	276.40	1 15/16	49.2	12	304.8	12	7/8	22.2	14 1/4	362.0
12	19	482.6	1 1/4	31.8	15	381.0	12.88	327.20	2 3/16	55.6	14 3/8	365.1	12	7/8	22.2	17	431.8
14	21	533.4	1 3/8	34.9	16 1/4	412.8	14.14	359.20	2 1/4	57.2	15 3/4	400.1	12	1	25.4	18 3/4	476.3
16	23 1/2	596.9	1 7/16	36.5	18 1/2	469.9	16.16	410.50	2 1/2	63.5	18	457.2	16	1	25.4	21 1/4	539.8
18	25	635.0	1 9/16	39.7	21	533.4	18.18	461.80	2 11/16	68.3	19 7/8	504.8	16	1 1/8	28.6	22 3/4	577.9
20	27 1/2	698.5	1 11/16	42.9	23	584.2	20.20	513.10	2 7/8	73.0	22	558.8	20	1 1/8	28.6	25	635.0
22	29 1/2	749.3	1 13/16	46.0	25 1/4	641.4	22.22	564.40	3 1/8	79.4	24	609.6	20	1 1/4	31.8	27 1/4	692.2
24	32	812.8	1 7/8	47.6	27 1/4	692.2	24.25	616.00	3 1/4	82.6	26 1/8	663.6	20	1 1/4	31.8	29 1/2	749.3

NOTE : Dimensions of Thickness Q & of Length through Hub Y include thickness of raised face 1/16 inch (1.6 mm)  
 Diameter of bolt-holes shall not be 1/32" ( 3.2 mm) greater than the diameter of bolt.