



Flange Dimensions and Drilling To ANSI B 16.5

DN = diameter nominal (size)
A = flange →
b = thickness of flange
D2 = diameter of raised face →
PCD = diameter of bolt circle →
n = number of bolts
d = diameter of bolt holes →
h = height of raised face (RF)

h* = 1/16" = 1.6mm for ANSI Class 150 - 300
b = raised face included for ANSI Class 150 - 300

DN		125/150 lbs	300 lbs
		mm	mm
1/2"	A	88.9	95.2
	b	11.1	14.3
	D2	34.9	34.9
	PCD	60.3	66.7
	n	4	4
	d	15.9	15.9
3/4"	A	98.4	117.5
	b	12.7	15.9
	D2	42.9	42.9
	PCD	69.8	82.5
	n	4	4
	d	15.9	19
1"	A	108	123.8
	b	14.3	17.5
	D2	50.8	50.8
	PCD	79.4	88.9
	n	4	4
	d	15.9	19
1 1/4"	A	117.5	133.4
	b	15.9	19
	D2	63.5	63.5
	PCD	88.9	98.4
	n	4	4
	d	15.9	19
1 1/2"	A	127	155.6
	b	17.5	20.6
	D2	73	73
	PCD	98.4	114
	n	4	4
	d	15.9	22.2
2"	A	152.4	165.1
	b	19	22.2
	D2	92.1	92.1
	PCD	121	127
	n	4	8
	d	19	19
2 1/2"	A	177.8	190.5
	b	22.2	25.4
	D2	104.8	104.8
	PCD	139.7	149.2
	n	4	8
	d	19	22.2

DN		125/150 lbs	300 lbs
		mm	mm
3"	A	190.5	209.6
	b	23.8	28.6
	D2	127	127
	PCD	152.4	168.3
	n	4	8
	d	19	22.2
3 1/2"	A	215.9	228.6
	b	23.8	30.2
	D2	139.7	139.7
	PCD	177.8	184.2
	n	8	8
	d	19	22.2
4"	A	238.6	254
	b	23.8	31.7
	D2	157.2	157.2
	PCD	190	200
	n	8	8
	d	19	22.2
5"	A	254	297.4
	b	23.8	34.9
	D2	185.7	185.7
	PCD	215.9	234.9
	n	8	8
	d	22.2	22.2
6"	A	279	317.5
	b	25.4	36.5
	D2	216	215.9
	PCD	241	269.9
	n	8	12
	d	22.2	22.2
8"	A	342.9	381
	b	28.6	41.3
	D2	269.9	269.9
	PCD	298.4	330.2
	n	8	12
	d	22.2	25.4
10"	A	406.4	444.5
	b	30.2	47.6
	D2	323.8	323.8
	PCD	361.9	387.4
	n	12	16
	d	25.4	28.6

DN		125/150 lbs	300 lbs
		mm	mm
12"	A	482.6	520.7
	b	31.7	50.8
	D2	381	381
	PCD	431.8	450.9
	n	12	16
	d	25.4	31.8
14"	A	533.4	584
	b	34.9	54
	D2	412.7	412.7
	PCD	476.2	514.4
	n	12	20
	d	28.6	31.8
16"	A	596.9	647.7
	b	36.5	57.2
	D2	470	470
	PCD	539.8	571.5
	n	16	20
	d	28.6	34.9
18"	A	635	711
	b	39.7	60.3
	D2	533.4	533.4
	PCD	577.9	628.7
	n	16	24
	d	31.8	34.9
20"	A	698.5	774.7
	b	42.9	63.5
	D2	584.2	584.2
	PCD	635	685.8
	n	20	24
	d	31.8	34.9
24"	A	812.8	914
	b	47.6	69.8
	D2	692.2	692.2
	PCD	749.3	812.8
	n	20	24
	d	34.9	41.3