



ASME / ANSI B16.5 Pipe Flanges Dimensions Chart

Class 150, 300, 600 & 900 (All Sizes in MM)

FLANGES CLASS 150 & 300

DIMENSIONS OF CLASS 150 FLANGES AS PER B16.5

NP S	OD (O)	Bolt Circle (A)	Bolt Holes Dia (D)	No. Holes	Thicknes s (C)	Hub Dia (E)	SO/S W Hub (Y)	WN Hub (Y)	LJ Hub (Y)	Bore SO/S W (B)	Bore LJ (B)	RF Dia (R)	Socket Depth (F)	Pipe Dia (X)
15	88.9	60.3	15.9	4	11.1	30.2	15.9	47.6	15.9	22.3	22.8	34.9	9.5	21.33
20	98.4	69.8	15.9	4	12.7	38.1	15.9	52.4	15.9	27.7	28.2	42.9	11.1	26.67
25	107.9	79.4	15.9	4	14.3	49.2	17.5	55.6	17.5	34.5	35	50.8	12.7	33.4
32	117.5	88.9	15.9	4	15.9	58.7	20.6	57.1	20.6	43.2	43.7	63.5	14.3	42.16
40	127	98.4	15.9	4	17.5	65.1	22.2	61.9	22.2	49.5	50	73	15.9	48.26
50	152.4	120.6	19	4	19	77.8	25.4	63.5	25.4	62	62.5	92.1	17.5	60.31
65	177.8	139.7	19	4	22.2	90.5	28.6	69.8	28.6	74.7	75.4	104.8	19	73.02

80	190.5	152.4	19	4	23.8	107.9	30.2	69.8	30.2	90.7	91.4	127	20.6	88.9
100	228.6	190.5	19	8	23.8	134.9	33.3	76.2	33.3	116.1	116.8	157.2	23.8	114.3
125	254	215.9	22.2	8	25.4	163.5	36.5	88.9	36.5	143.8	144.5	185.7	23.8	141.3
150	279.4	241.3	22.2	8	28.6	204.6	39.7	88.9	39.7	170.7	171.4	215.9	25.9	168.27
200	342.9	298.5	22.2	8	28.6	241.3	44.4	101.6	44.4	221.5	222.2	269.9	31.7	219.07
250	406.4	361.9	25.4	12	30.2	304.8	49.2	101.6	49.2	276.3	277.4	323.8	33.3	273.05
300	482.6	431.8	25.4	12	31.8	365.1	55.6	114.3	55.6	327.1	328.2	381	39.7	323.85
350	533.4	476.2	28.6	12	34.9	400	57.1	127	57.1	359.1	360.2	412.7	41.3	355.6
400	596.9	539.7	31.7	16	36.5	457.2	63.5	127	63.5	410.5	411.2	469.9	44.4	406.4
450	635	577.8	31.7	16	39.7	508	68.3	139.7	68.3	461.8	462.3	533.4	49.2	457.2
500	698.5	635	34.9	20	42.9	558.8	73	144.5	73	513.1	513.5	584.2	50.8	508
600	812.8	749.3	34.9	20	47.6	663.6	82.5	152.4	82.5	615.9	615.9	692.1	63.5	609.6

DIMENSIONS OF CLASS 300 FLANGES AS PER B16.5

NPS	OD (O)	Bolt Circle (A)	Bolt Hole Dia (D)	No. Holes	Thickness (C)	Hub Dia (E)	SO/S W Hub (Y)	WN Hub (Y)	LJ Hub (Y)	Bore SO/S W (B)	Bore LJ (B)	RF Dia (R)	Socket Depth (F)	Pipe Dia (X)
15	95.2	66.7	15.9	4	14.3	38.1	22.2	52.4	22.2	22.3	22.8	34.9	9.5	21.33
20	117.5	82.5	19	4	15.9	47.6	25.4	57.1	25.4	27.7	28.2	42.9	11.1	26.67

25	123.8	88.9	19	4	17.5	54	27	61.9	27	34.5	35	50.8	12.7	33.4
32	133.3	98.4	19	4	19	63.5	28.6	65.1	28.6	43.2	43.7	63.5	14.3	42.16
40	155.6	114.3	22.2	4	20.6	69.8	31.7	69.8	31.7	49.5	50	73	15.9	48.26
50	165.1	127	19	8	22.2	84.1	33.3	69.8	33.3	62	62.5	92.1	17.5	60.31
65	190.5	149.2	22.2	8	25.4	100	38.1	76.2	38.1	74.7	75.4	104.8	19	73.02
80	209.5	168.3	22.2	8	28.6	117.5	42.9	79.4	42.9	90.7	91.4	127	20.6	88.9
100	254	200	22.2	8	31.8	146	47.6	85.7	47.6	116.1	116.8	157.2	23.8	114.3
125	279.4	234.9	22.2	8	34.9	177.8	50.8	98.4	50.8	143.8	144.5	185.7	-	141.3
150	317.5	269.9	22.2	12	36.5	206.4	52.4	98.4	52.4	170.7	171.4	215.9	-	168.27
200	381	330.2	25.4	12	41.3	260.3	61.9	111.1	61.9	221.5	222.2	269.9	-	219.07
250	444.5	387.3	28.6	16	47.6	320.7	66.7	117.5	66.7	276.3	277.4	323.8	-	273.05
300	520.7	450.8	31.7	16	50.8	374.6	73	130.2	73	327.1	328.2	381	-	323.85
350	584.2	514.3	31.7	20	54	425.4	76.2	142.9	76.2	359.1	360.2	412.7	-	355.6
400	647.7	571.5	34.9	20	57.2	482.6	82.5	146	82.5	410.5	411.2	469.9	-	406.4
450	711.2	628.7	34.9	24	60.3	533.4	88.9	158.7	88.9	461.8	462.3	533.4	-	457.2
500	774.7	685.8	34.9	24	63.5	584.2	95.2	161.9	95.2	513.1	513.5	584.2	-	508
600	914.4	812.8	41.3	24	69.9	717.5	106.4	168.3	106.4	615.9	615.9	692.1	-	609.6

FLANGES CLASS 600 & 900

DIMENSIONS OF CLASS 600 FLANGES AS PER B16.5

NPS	OD	Bolt Circle	Bolt Dia	Holes	Thickness	Hub Dia	SO/S W Hub	WN Hub	Bore SO/S W	Bore LJ	RF Dia	Socket	Pipe Dia
15	95.2	66.7	15.9	4	14.3	38.1	22.2	52.4	22.3	22.8	34.9	9.5	21.33

20	117.5	82.5	19	4	15.9	47.6	25.4	57.1	27.7	28.2	42.9	11.1	26.67
25	123.8	88.9	19	4	17.5	54	27	61.9	34.5	35	50.8	12.7	33.4
32	133.3	98.4	19	4	20.6	63.5	28.6	66.7	43.2	43.6	63.5	14.2	42.16
40	155.6	114.3	22.2	8	22.2	69.8	31.7	69.8	49.5	50	73	15.8	48.26
50	165.1	127	19	8	25.4	84.1	36.5	73	62	62.4	92.1	17.4	60.31
65	190.5	149.2	22.2	8	28.6	100	41.3	79.4	74.7	75.4	104.8	19	73.02
80	209.5	168.3	22.2	8	31.8	117.5	46	82.5	90.7	91.4	127	-	88.9
100	273	215.9	25.4	8	38.1	152.4	54	101.6	116.1	116.8	157.2	-	114.3
125	330.2	266.7	28.6	8	44.4	188.9	60.3	114.3	143.8	144.5	185.7	-	141.3
150	355.6	292.1	28.6	12	47.6	222.2	66.7	117.5	170.7	171.4	215.9	-	168.27
200	419.1	349.2	31.7	12	55.6	273	76.2	133.3	221.5	222.2	269.8	-	219.07
250	508	431.8	34.9	16	63.5	342.9	85.7	152.4	276.3	277.3	323.8	-	273.05
300	558.8	488.9	34.9	20	66.7	400	92.1	155.6	327.1	328.1	381	-	323.85
350	603.2	527	34.9	20	69.9	431.8	93.7	165.1	359.1	360.1	412.7	-	355.6
400	685.8	603.2	38.1	20	76.2	495.3	106.4	177.8	410.5	411.2	469.9	-	406.4
450	742.9	654	44.4	24	82.6	546.1	117.5	184.1	461.8	462.2	533.4	-	457.2
500	812.8	723.9	44.4	24	88.9	609.6	127	190.5	513.1	514.2	584.2	-	508
600	939.8	838.2	50.8	24	101.6	717.5	139.7	203.2	615.9	615.9	692.1	-	609.6

DIMENSIONS OF CLASS 900 FLANGES AS PER B16.5

NPS	OD	Bolt Circle	Bolt Dia	Holes	Thickness	Hub Dia	SO/S W Hub	WN Hub	Bore SO/S W	Bore LJ	RF Dia	Socket	Pipe Dia
15	120.6	82.5	22.2	4	22.2	38.1	31.7	60.3	22.3	22.8	34.9	9.5	21.33
20	130.2	88.9	22.2	4	25.4	44.4	34.9	69.8	27.7	28.1	42.9	11.1	26.67

25	149.2	101.6	25.4	4	28.6	52.4	41.3	73	34.5	35	50.8	12.7	33.4
32	158.7	111.1	25.4	4	28.6	63.5	41.3	73	43.2	43.6	63.5	14.2	42.16
40	177.8	123.8	28.6	4	31.8	69.8	44.4	82.5	49.5	50	73	15.8	48.26
50	215.9	165.1	25.4	8	38.1	104.8	57.1	101.6	62	62.4	92.1	17.4	60.31
65	244.5	190.5	28.6	8	41.3	123.8	63.5	104.8	74.7	75.4	104.8	19	73.02
80	241.3	190.5	25.4	8	38.1	127	53.9	101.6	90.7	91.4	127	-	88.9
100	292.1	241.3	31.7	8	44.4	158.7	69.8	114.3	116	116.8	157.1	-	114.3
125	349.2	279.4	35	8	50.8	190.5	79.3	127	143.7	144.5	185.7	-	141.3
150	381	317.5	31.7	12	55.6	234.9	85.8	139.7	170.6	171.4	215.9	-	168.27
200	469.9	393.7	38.1	12	63.5	298.4	101.6	162	221.4	222.2	269.8	-	219.07
250	546.1	469.9	38.1	16	69.8	368.3	107.9	184.1	276.3	277.3	323.8	-	273.05
300	609.6	533.4	38.1	20	79.3	419.1	117.5	200	327.1	328.1	381	-	323.85

Checkout Our Stainless Steel Flanges