

ANTONG INDUSTRIAL CO.,LTD

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ANSI ASME B16.5 Forged Flanges

Dimensions, Sizes and Specification of ANSI ASME B 16.5 Flanges

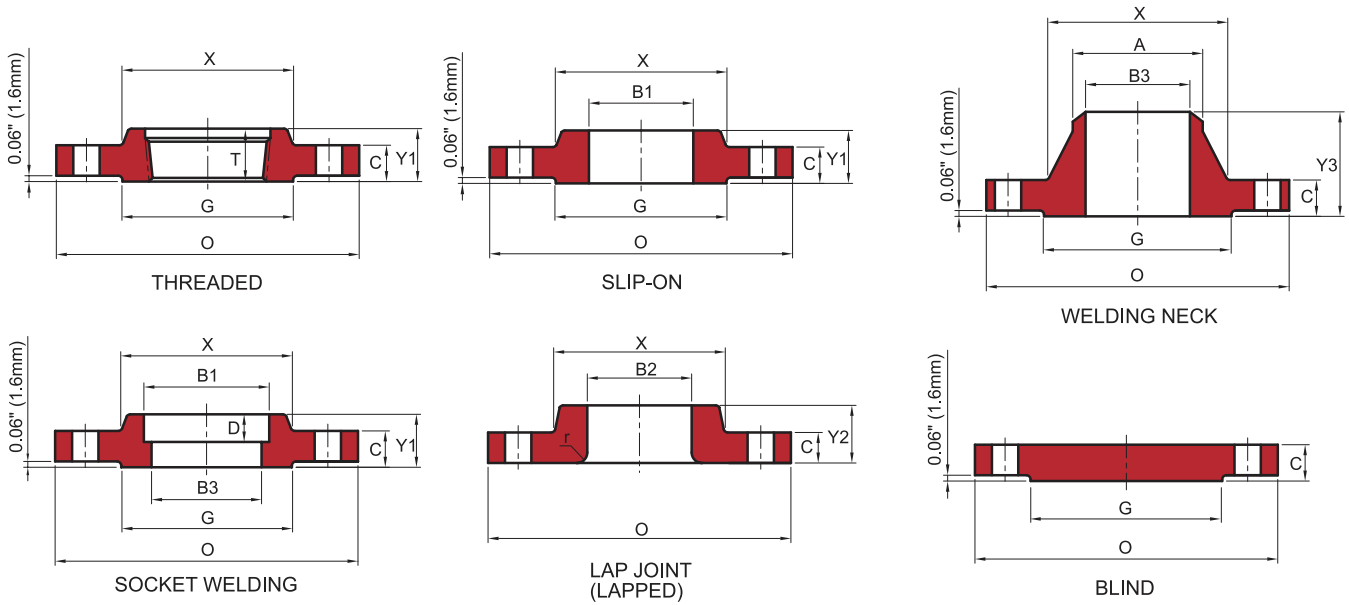


We supply slip on flange, welding neck flange, Blind flange, socket welding neck flange, lap joint flange, Plate flange, Threaded flange on forged steel, carbon steel, stainless steel, alloy steel etc. from DN15 to DN600, or 1/2 inch to 24 inch, pressure rating from class 150 to class 2500 with raised face, flat face, ring joint (rj), rtj, male face, female face, tongue face and grooved face.



ANSI ASME FLANGE

B16.5 Class150



CLASS150

Unit : mm

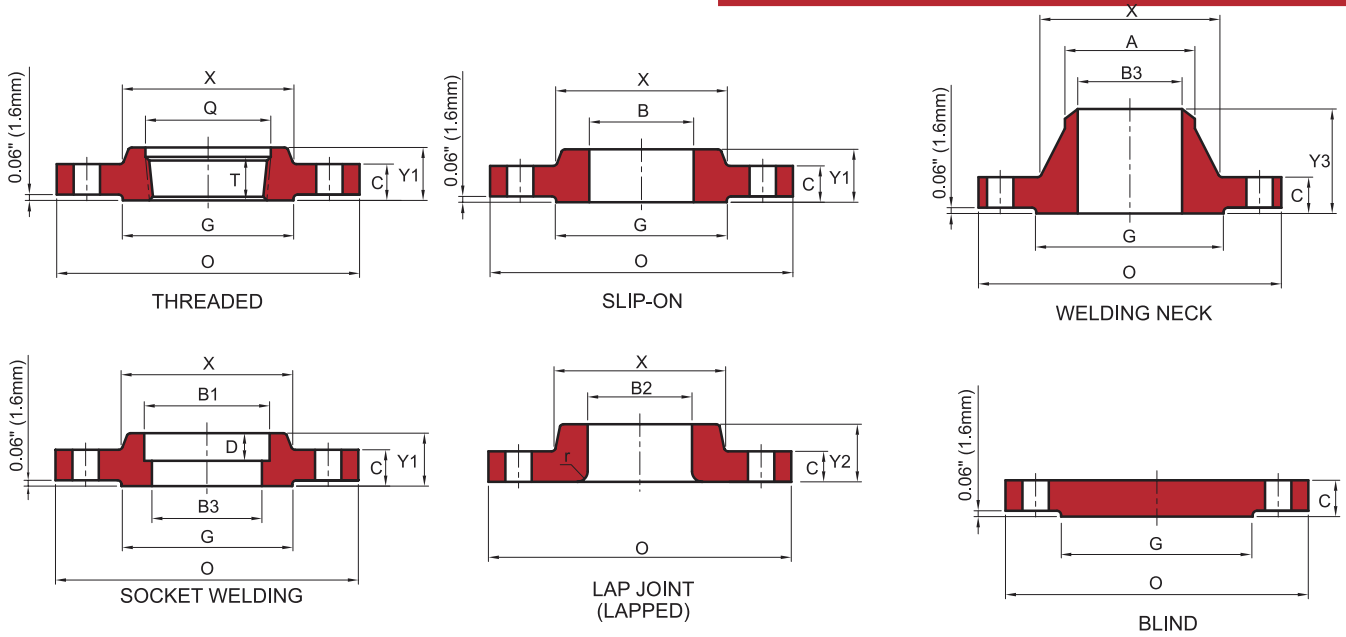
Nominal Pipe Size	Outside Diam. of Flanges	Thk. of Flange Min.	Diam. of Hub	O.D of Raised Face	Hub Diam. Chamfer of W.N	LENGTH THROUGH HUB			Thread Length	BORE			Corner Radius of Bore of Lapped Flange	Depth of Socket	DRILLING			LENGTH OF STUD BOLTS			
						Threaded Slip-on Socket Welding	Lapped	Welding Neck		Slip-on Socket Welding	Lapped	Welding Neck Socket Welding			Diam. of Bolt Circle	Diam. of Bolt Holes	Number of Bolts	Diam. of Bolts (inch)	Machine Bolts 0.06 in Raised Face	Stud Bolts 0.06 in Raised Face	Ring Joint
15	89.0	11.2	30.2	35.1	21.3	15.7	15.7	47.8	15.7	22.4	22.9	15.8	3.0	9.7	60.5	15.8	4	1/2	50.8	57.2	-
20	98.5	12.7	38.1	42.9	26.7	15.7	15.7	52.3	15.7	27.7	28.2	20.8	3.0	11.2	69.9	15.8	4	1/2	50.8	63.5	-
25	108.0	14.2	49.3	50.8	33.5	17.5	17.5	55.6	17.5	34.5	35.1	26.7	3.0	12.7	79.3	15.8	4	1/2	57.2	63.5	76.2
32	117.5	15.7	58.7	63.5	42.2	20.6	20.6	57.2	20.6	43.2	43.7	35.1	4.8	14.2	88.9	15.8	4	1/2	57.2	69.9	82.6
40	127.0	17.5	65.0	73.2	48.3	22.4	22.4	62.0	22.4	49.5	50.0	40.9	6.4	15.8	98.6	15.8	4	1/2	63.5	69.9	82.6
50	152.5	19.1	77.7	91.9	60.5	25.4	25.4	63.5	25.4	62.0	62.5	52.6	7.9	17.5	120.7	19.1	4	5/8	69.9	82.6	95.3
65	178.0	22.4	90.4	104.6	73.2	28.4	28.4	69.9	28.4	74.7	75.4	62.7	7.9	19.1	139.7	19.1	4	5/8	76.2	88.9	101.6
80	190.5	23.9	108.0	127.0	88.9	30.2	30.2	69.9	30.2	90.7	91.4	78.0	9.7	20.6	152.4	19.1	4	5/8	76.2	88.9	101.6
90	216.0	23.9	122.2	139.7	101.6	31.8	31.8	71.4	31.8	103.4	104.1	90.2	9.7	-	177.8	19.1	8	5/8	76.2	88.9	101.6
100	228.5	23.9	134.9	157.2	114.3	33.3	33.3	76.2	33.3	116.1	116.8	102.4	11.2	-	190.5	19.1	8	5/8	76.2	88.9	101.6
125	254.0	23.9	163.6	185.7	141.2	36.6	36.6	88.9	36.6	143.8	144.5	128.3	11.2	-	215.9	22.4	8	3/4	82.6	95.3	108.0
150	279.5	25.4	192.0	215.9	168.4	39.6	39.6	88.9	39.6	170.7	171.5	154.2	12.7	-	241.3	22.4	8	3/4	82.6	101.6	114.3
200	343.0	28.4	246.1	269.7	219.2	44.5	44.5	101.6	44.5	221.5	222.3	202.7	12.7	-	298.5	22.4	8	3/4	88.9	108.0	120.7
250	406.5	30.2	304.8	323.9	273.1	49.3	49.3	101.6	49.3	276.4	277.4	254.5	12.7	-	362.0	25.4	12	7/8	101.6	114.3	127.0
300	482.5	31.8	365.3	381.0	323.9	55.6	55.6	114.3	55.6	327.2	328.2	304.8	12.7	-	431.8	25.4	12	7/8	101.6	120.7	133.4
350	533.5	35.1	400.1	412.8	355.6	57.2	79.2	127.0	57.2	359.2	360.2	-	12.7	-	476.3	28.5	12	1	114.3	133.4	146.1
400	597.0	36.6	457.2	469.9	406.4	63.5	87.4	127.0	63.5	410.5	411.2	-	12.7	-	539.8	28.5	16	1	114.3	133.4	146.1
450	635.0	39.6	505.0	533.4	457.2	68.3	96.8	139.7	68.3	461.8	462.3	-	12.7	-	577.9	31.8	16	1 1/8	127.0	146.1	158.8
500	698.5	42.9	558.8	584.2	508.0	73.2	103.1	144.5	73.2	513.1	514.4	-	12.7	-	635.0	31.8	20	1 1/8	139.7	158.8	171.5
600	813.0	47.8	663.4	692.2	609.6	82.6	111.3	152.4	82.6	616.0	616.0	-	12.7	-	749.3	35.1	20	1 1/4	152.4	171.5	184.2

- Blind Flanges may be made with the same hub as that used for Slip-on Flanges or without hub.
- The gasket surface and backside (bearing surface for bolting) are made parallel within 1 degree. To accomplish parallelism, spot facing is carried out according to MSS SP-9, without reducing thickness (C).
- Depth of Socket (D) is covered by ANSI B 16.5 only in sizes through 3 inch, over 3 inch is at the manufacturer's option.



ANSI ASME FLANGE

B16.5 Class300



CLASS300

Unit : mm

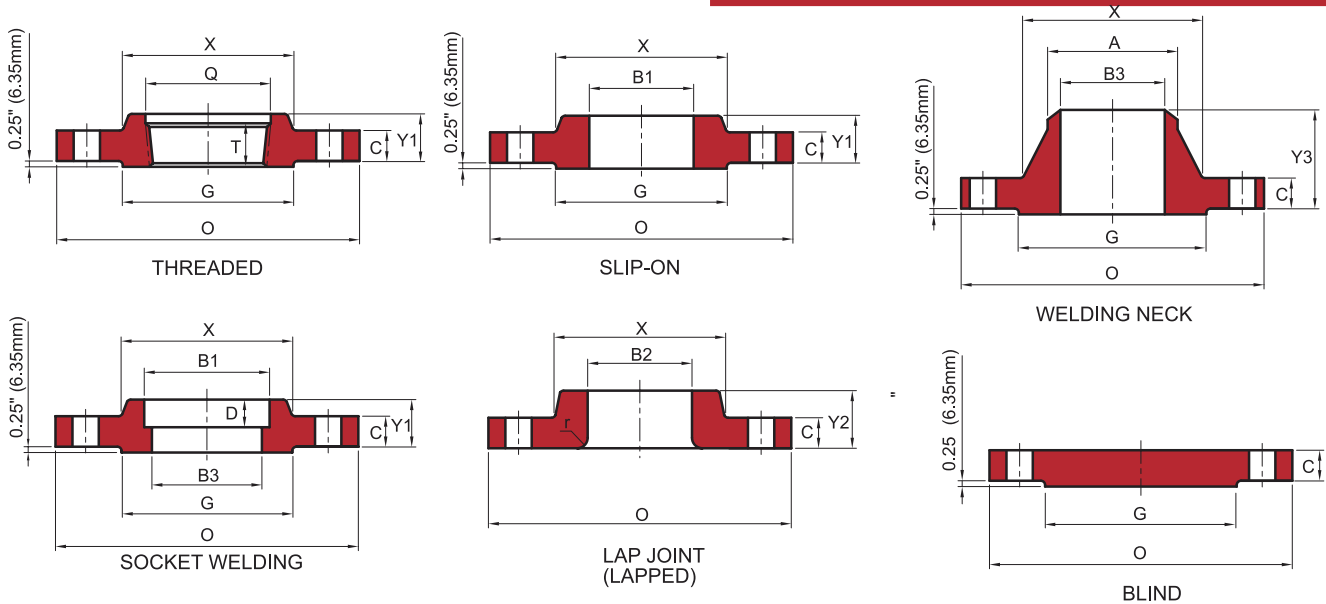
Nominal Pipe Size	Outside Diam. of Flanges	Thk. of Flange Min.	Diam. of Hub	O.D of Raised Face	Hub Diam. Chamfer of W.N	LENGTH THROUGH HUB				BORE			Corner Radius of Bore of Lapped Flange	Counter Bore Threaded Flange Min.	Depth of Socket	DRILLING			LENGTH OF STUD BOLTS			
						Threaded Slip-on Socket Welding	Lapped	Welding Neck	Thread Length	Slip-on Socket Welding	Lapped	Welding Neck Socket Welding				Diam. of Bolt Circle	Diam. of Bolt Holes	Number of Bolts	Diam. of Bolts (inch)	Machine Bolts		Stud Bolts
																				0.06 in Raised Face	0.06 in Raised Face	
O	C	X	G	A	Y1	Y2	Y3	T	B1	B2	B3	r	Q	D								
15	95.5	14.2	38.1	35.1	21.3	22.4	22.4	52.3	15.7	22.4	22.9	15.7	3.0	23.6	9.7	66.5	15.7	4	1/2	57.2	63.5	76.2
20	117.5	15.7	47.8	42.9	26.7	25.4	25.4	57.2	15.7	27.7	28.2	20.8	3.0	29.0	11.2	82.6	19.1	4	5/8	63.5	76.2	88.9
25	124.0	17.5	53.8	50.8	33.5	26.9	26.9	62.0	17.5	34.5	35.1	26.7	3.0	35.8	12.7	88.9	19.1	4	5/8	63.5	76.2	88.9
32	133.5	19.1	63.5	63.5	42.2	26.9	26.9	65.0	20.6	43.2	43.7	35.1	4.8	44.5	14.2	98.6	19.1	4	5/8	69.9	82.6	95.3
40	155.5	20.6	69.9	73.2	48.3	30.2	30.2	68.3	22.4	49.5	50.0	40.9	6.4	50.5	15.7	114.3	22.4	4	3/4	76.2	88.9	101.6
50	165.0	22.4	84.1	91.9	60.5	33.3	33.3	69.9	28.4	62.0	62.5	52.6	7.9	63.5	17.5	127.0	19.1	8	5/8	76.2	88.9	101.6
65	190.5	25.4	100.1	104.6	73.2	38.1	38.1	76.2	31.8	74.7	75.4	62.7	7.9	76.2	19.1	149.4	22.4	8	3/4	82.6	101.6	114.3
80	209.5	28.4	117.3	127.0	88.9	42.9	42.9	79.2	31.8	90.7	91.4	78.0	9.7	92.2	20.6	168.1	22.4	8	3/4	88.9	108.0	120.7
90	228.5	30.2	133.4	139.7	101.6	44.5	44.5	81.0	36.6	103.4	104.1	90.2	9.7	104.9	22.4	184.2	22.4	8	3/4	95.3	108.0	127.0
100	254.0	31.8	146.1	157.2	114.3	47.8	47.8	85.9	36.6	116.1	116.8	102.4	11.2	117.6	-	200.2	22.4	8	3/4	95.3	114.3	127.0
125	279.5	35.1	177.8	185.7	141.2	50.8	50.8	98.6	42.9	143.8	144.5	128.3	11.2	144.5	-	235.0	22.4	8	3/4	108.0	120.7	133.4
150	317.5	36.6	206.2	215.9	168.4	52.3	52.3	98.6	46.0	170.7	171.5	154.2	12.7	171.5	-	269.7	22.4	12	3/4	108.0	120.7	139.7
200	381.0	41.1	260.4	269.7	219.2	62.0	62.0	111.3	50.8	221.5	222.3	202.7	12.7	222.3	-	330.2	25.4	12	7/8	120.7	139.7	152.4
250	444.5	47.8	320.5	323.9	273.1	66.5	95.3	117.3	55.6	276.4	277.4	254.5	12.7	276.4	-	387.4	28.4	16	1	139.7	158.8	171.5
300	520.5	50.8	374.7	381.0	323.9	73.2	101.6	130.0	60.5	327.2	328.2	304.8	12.7	328.7	-	450.9	31.8	16	1 1/8	146.1	171.5	184.2
350	584.0	53.8	425.5	412.8	355.6	76.2	111.3	142.7	63.5	359.2	360.2	-	12.7	360.4	-	514.4	31.8	20	1 1/8	158.8	177.8	190.5
400	647.5	57.2	482.6	469.9	406.4	82.6	120.7	146.1	68.3	410.5	411.2	-	12.7	411.2	-	571.5	35.1	20	1 1/4	165.1	190.5	203.2
450	711.0	60.5	533.4	533.4	457.2	88.9	130.0	158.8	69.9	461.8	462.3	-	12.7	462.0	-	628.7	35.1	24	1 1/4	171.5	196.9	209.6
500	774.5	63.5	587.2	584.2	508.0	95.3	139.7	162.1	73.2	513.1	514.4	-	12.7	512.8	-	685.8	35.1	24	1 1/4	184.2	203.2	222.3
600	914.5	69.9	701.5	692.2	609.6	106.4	152.4	168.1	82.6	616.0	616.0	-	12.7	614.4	-	812.8	41.1	24	1 1/2	203.2	228.6	254.0

- Blind Flanges may be made with the same hub as that used for Slip-on Flanges or without hub.
- The gasket surface and backside (bearing surface for bolting) are made parallel within 1 degree. To accomplish parallelism, spot facing is carried out according to MSS SP-9, without reducing thickness (C).
- Depth of Socket (D) is covered by ANSI B 16.5 only in sizes through 3 inch, over 3 inch is at the manufacturer's option.



ANSI ASME FLANGE

B16.5 Class600



CLASS600

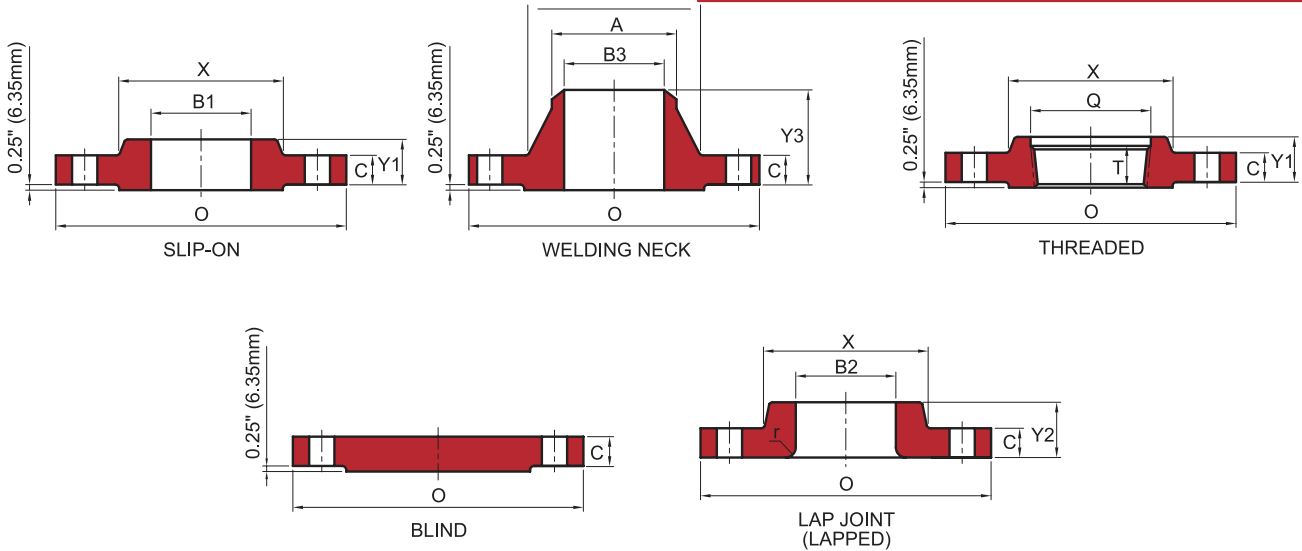
Nominal Pipe Size	Outside Diam. of Flanges	Thk. of Flange Min.	Diam. of Hub	O.D. of Raised Face	Hub Diam. Chamfer of W.N.	LENGTH THROUGH HUB				BORE			Corner Radius of Bore of Lapped Flange	Counter Bore Threaded Flange Min.	Depth of Socket	DRILLING			LENGTH OF STUD BOLTS					
						Threaded Slip-on Socket Welding	Lapped	Welding Neck	Thread Length	Slip-on Socket Welding	Lapped	Welding Neck Socket Welding				B3	r	Q	D	Diam. of Bolt Circle	Diam. of Bolt Holes	Number of Bolts	Diam. of Bolts	Raised Face (0.25 Inch)
	O	C	X	G	A	Y1	Y2	Y3	T	B1	B2	B3	r	Q	D									
15	95.5	14.2	38.1	35.1	21.3	22.4	22.4	52.3	15.7	22.4	22.9		3.0	23.6	9.7	66.5	15.7	4	1/2	76.2	69.9	76.2		
20	117.5	15.7	47.8	42.9	26.7	25.4	25.4	57.2	15.7	27.7	28.2		3.0	29.0	11.2	82.6	19.1	4	5/8	88.9	82.6	88.9		
25	124.0	17.5	53.8	50.8	33.5	26.9	26.9	62.0	17.5	34.5	35.1		3.0	35.8	12.7	88.9	19.1	4	5/8	88.9	82.6	88.9		
32	133.5	20.6	63.5	63.5	42.2	28.4	28.4	66.5	20.6	43.2	43.7		4.8	44.5	14.2	98.6	19.1	4	5/8	95.3	88.9	95.3		
40	155.5	22.4	69.9	73.2	48.3	31.8	31.8	69.9	22.4	49.5	50.0		6.4	50.5	15.7	114.3	22.4	4	3/4	108.0	101.6	108.0		
50	165.0	25.4	84.1	91.9	60.5	36.6	36.6	73.2	28.4	62.0	62.5		7.9	63.5	17.5	127.0	19.1	8	5/8	108.0	101.6	108.0		
65	190.5	28.4	100.1	104.6	73.2	41.1	41.1	79.2	31.8	74.7	75.4		7.9	76.2	19.1	149.4	22.4	8	3/4	120.7	114.3	120.7		
80	209.5	31.8	117.3	127.0	88.9	46.0	46.0	82.6	35.1	90.7	91.4		9.7	92.2	20.6	168.1	22.4	8	3/4	120.7	120.7	127.0		
90	228.5	35.1	133.4	139.7	101.6	49.3	49.3	85.9	39.6	103.4	104.1		9.7	104.9	-	184.2	25.4	8	7/8	139.7	133.4	139.7		
100	273.0	38.1	152.4	157.2	114.3	53.8	53.8	101.6	41.1	116.1	116.8		11.2	117.6	-	215.9	25.4	8	7/8	146.1	139.7	146.1		
125	330.0	44.5	189.0	185.7	141.2	60.5	60.5	114.3	47.8	143.8	144.5		11.2	144.5	-	266.7	28.4	8	1	165.1	158.8	165.1		
150	355.5	47.8	222.3	215.9	168.4	66.5	66.5	117.3	50.8	170.7	171.5		12.7	171.5	-	292.1	28.4	12	1	171.5	165.1	171.5		
200	419.0	55.6	273.1	269.7	219.2	76.2	76.2	133.4	57.2	221.5	222.3		12.7	222.3	-	349.3	31.8	12	1 1/8	190.5	184.2	196.9		
250	508.0	63.5	342.9	323.9	273.1	85.9	111.3	152.4	65.0	276.4	277.4		12.7	276.4	-	431.8	35.1	16	1 1/4	215.9	209.6	215.9		
300	559.0	66.5	400.1	381.0	323.9	91.9	117.3	155.4	69.9	327.2	328.2		12.7	328.7	-	489.0	35.1	20	1 1/4	222.3	215.9	222.3		
350	603.5	69.9	431.8	412.8	355.6	93.7	127.0	165.1	73.2	359.2	360.2		12.7	360.4	-	527.1	38.1	20	1 3/8	235.0	228.6	235.0		
400	686.0	76.2	495.3	469.9	406.4	106.4	139.7	177.8	77.7	410.5	411.2		12.7	411.2	-	603.3	41.1	20	1 1/2	254.0	247.7	254.0		
450	743.0	82.6	546.1	533.4	457.2	117.3	152.4	184.2	79.2	461.8	462.3		12.7	462.0	-	654.1	44.5	20	1 5/8	273.1	266.7	273.1		
500	813.0	88.9	609.6	584.2	508.0	127.0	165.1	190.5	82.6	513.1	514.4		12.7	512.8	-	723.9	44.5	24	1 5/8	285.8	279.4	292.1		
600	940.0	101.6	717.6	692.2	609.6	139.7	184.2	203.2	91.9	616.0	616.0		12.7	614.4	-	838.2	50.8	24	1 7/8	330.2	323.9	336.6		

- Blind Flanges may be made with the same hub as that used for Slip-on Flanges or without hub.
- The gasket surface and backside (bearing surface for bolting) are made parallel within 1 degree. To accomplish parallelism, spot facing is carried out according to MSS SP-9, without reducing thickness (C).
- Dimensions of sizes 1/2" through 3 1/2" are the same as for Class 400 Flanges.
- Depth of Socket (D) is covered by ANSI B 16.5 only in sizes through 3 inch, over 3 inch is at the manufacturer's option.



ANSI ASME FLANGE

B16.5 Class900



CLASS900

Unit : mm

Nominal Pipe Size	Outside Diam. of Flanges				LENGTH THROUGH HUB				BORE			Corner Radius of Bore of Lapped Flange	Counter bore Threaded Flange Min.	DRILLING				LENGTH OF STUD BOLTS		
	O	C	X	A	Y1	Y2	Y3	Thread Length	Slip-on	Lapped	Welding Neck			r	Q	Diam. of Bolt Circle	Diam. of Bolt Holes	Number of Bolts	Diam. of Bolts (inch)	Raised Face (0.25 Inch)
15	120.7	22.4	38.1	21.3	31.8	31.8	60.5	22.4	22.4	22.9	3.0	23.6	82.6	22.4	4	3/4	108.0	101.6	108.0	
20	130.0	25.4	44.5	26.7	35.1	35.1	69.9	25.4	27.7	28.2	3.0	29.0	88.9	22.4	4	3/4	114.3	108.0	114.3	
25	149.4	28.4	52.3	33.5	41.1	41.1	73.2	28.4	34.5	35.1	3.0	35.8	101.6	25.4	4	7/8	127.0	120.7	127.0	
32	158.8	28.4	63.5	42.2	41.1	41.1	73.2	30.2	43.2	43.7	4.8	44.5	111.3	25.4	4	7/8	127.0	120.7	127.0	
40	177.8	31.8	69.9	48.3	44.5	44.5	82.6	31.8	49.5	50.0	6.4	50.5	124.0	28.4	4	1	139.7	133.4	139.7	
50	215.9	38.1	104.6	60.5	57.2	57.2	101.6	38.1	62.0	62.5	7.9	63.5	165.1	25.4	8	7/8	146.1	139.7	146.1	
65	244.3	41.1	124.0	73.2	63.5	63.5	104.6	47.8	74.7	75.4	7.9	76.2	190.5	28.4	8	1	158.8	152.4	158.8	
80	241.3	38.1	127.0	88.9	53.8	53.8	101.6	41.1	90.7	91.4	9.7	92.2	190.5	25.4	8	7/8	146.1	139.7	146.1	
100	292.1	44.5	158.8	114.3	69.9	69.9	114.3	47.8	116.1	116.8	11.2	117.6	235.0	31.8	8	1 1/8	171.5	165.1	171.5	
125	349.3	50.8	190.5	141.2	79.2	79.2	127.0	53.8	143.8	144.5	11.2	144.5	279.4	35.1	8	1 1/4	190.5	184.2	190.5	
150	381.0	55.6	235.0	168.4	85.9	85.9	139.7	57.2	170.7	171.5	12.7	171.5	317.5	31.8	12	1 1/8	190.5	184.2	196.9	
200	469.9	63.5	298.5	219.2	101.6	114.3	162.1	63.5	221.5	222.3	12.7	222.3	393.7	38.1	12	1 3/8	222.3	215.9	222.3	
250	546.1	69.9	368.3	273.1	108.0	127.0	184.2	71.4	276.4	277.4	12.7	276.4	469.9	38.1	16	1 3/8	235.0	228.6	235.0	
300	609.6	79.2	419.1	323.9	117.3	142.7	200.2	76.2	327.2	328.2	12.7	328.7	533.4	38.1	20	1 3/8	254.0	247.7	254.0	
350	641.4	85.9	450.9	355.6	130.0	155.4	212.9	82.6	359.2	360.2	12.7	360.4	558.8	41.1	20	1 1/2	273.1	266.7	279.4	
400	704.9	88.9	508.0	406.4	133.4	165.1	215.9	85.9	410.5	411.2	12.7	411.2	616.0	44.5	20	1 5/8	285.8	279.4	292.1	
450	787.4	101.6	565.2	457.2	152.4	190.5	228.6	88.9	461.8	462.3	12.7	462.0	685.8	50.8	20	1 7/8	323.9	317.5	336.6	
500	857.3	108.0	622.3	508.0	158.8	209.6	247.7	91.9	513.1	514.4	12.7	512.8	749.3	53.8	20	2	349.3	342.9	362.0	
600	1041.4	139.7	749.3	609.6	203.2	266.7	292.1	101.6	616.0	616.0	12.7	614.4	901.7	66.5	20	2 1/2	438.2	431.8	457.2	

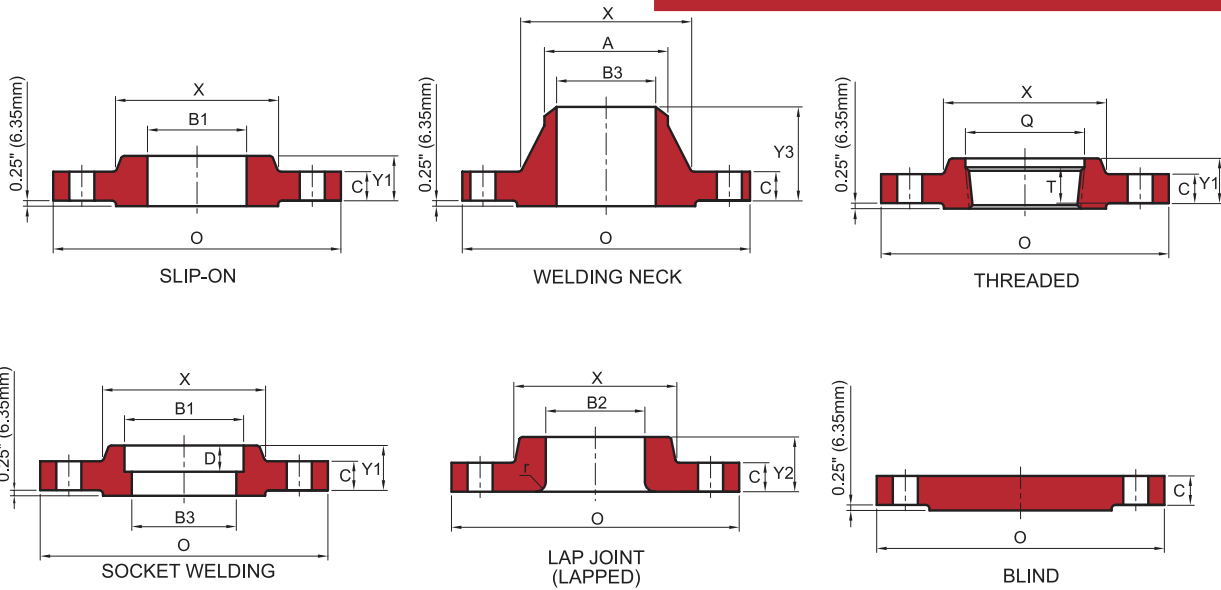
3. Dimensions of size 1/2 " through 2 1/2 " are the same as for class 1500 flanges.

4. Socket Welding flange may be provided in NPS 1/2 " through 2 1/2 " using 1500 dimensions.



ANSI ASME FLANGE

B16.5 Class1500



CLASS1500

Unit : mm

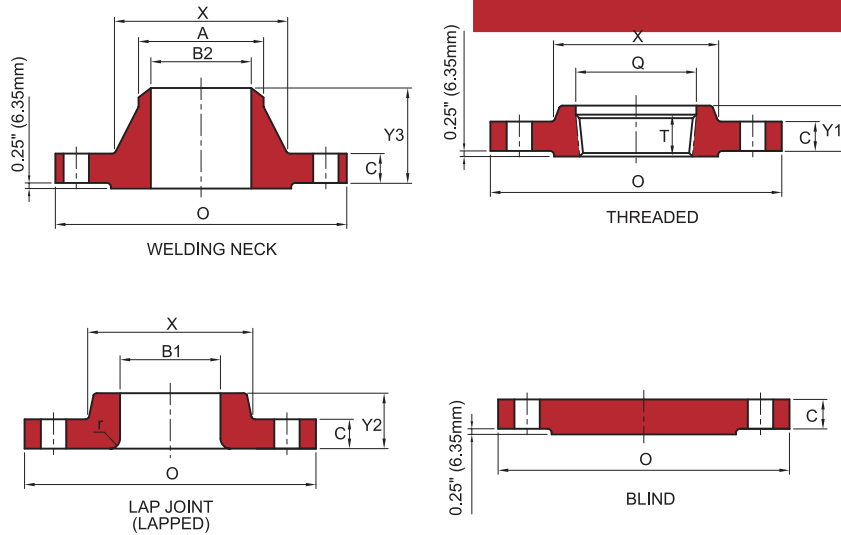
Nominal Pipe Size	Outside Diam. of Flanges	Thk. of Flange Min.	Diam. of Hub	Hub Diam. Chamfer of W.N	LENGTH THROUGH HUB			Thread Length	BORE			Corner Radius of Bore of Lapped Flange	Counter bore Threaded Flange Min.	Depth of Socket	DRILLING			LENGTH OF STUD BOLTS			
					Threaded Slip-on Socket Welding	Lapped	Welding Neck		Slip-on Socket Welding	Lapped	Welding Neck Socket Welding				Diam. of Bolt Circle	Diam. of Bolt Holes	Number of Bolts	Diam. of Bolts (inch)	Raised Face (0.25 Inch)	Male & Female or Tongue & Groove	Ring Joint
	O	C	X	A	Y1	Y2	Y3	T	B1	B2	B3	r	Q	D							
15	120.7	22.4	38.1	21.3	31.8	31.8	60.5	22.4	22.4	22.9		3.0	23.6	9.7	82.6	22.4	4	3/4	108.0	101.6	108.0
20	130.0	25.4	44.5	26.7	35.1	35.1	69.9	25.4	27.7	28.2		3.0	29.0	11.2	88.9	22.4	4	3/4	114.3	108.0	114.3
25	149.4	28.4	52.3	33.5	41.1	41.1	73.2	28.4	34.5	35.1		3.0	35.8	12.7	101.6	25.4	4	7/8	127.0	120.7	127.0
32	158.8	28.4	63.5	42.2	41.1	41.1	73.2	30.2	43.2	43.7		4.8	44.5	14.2	111.3	25.4	4	7/8	127.0	120.7	127.0
40	177.8	31.8	69.9	48.3	44.5	44.5	82.6	31.8	49.5	50.0		6.4	50.5	15.7	124.0	28.4	4	1	139.7	133.4	139.7
50	215.9	38.1	104.6	60.5	57.2	57.2	101.6	38.1	62.0	62.5		7.9	63.5	17.5	165.1	25.4	8	7/8	146.1	139.7	146.1
65	244.3	41.1	124.0	73.2	63.5	63.5	104.6	47.8	74.7	75.4		7.9	76.2	19.1	190.5	28.4	8	1	158.8	152.4	158.8
80	266.7	47.8	133.4	88.9	-	73.2	117.3	-	-	91.4		9.7	-	-	203.2	31.8	8	1 1/8	177.8	171.5	177.8
100	311.2	53.8	162.1	114.3	-	90.4	124.0	-	-	116.8		11.2	-	-	241.3	35.1	8	1 1/4	196.9	190.5	196.9
125	374.7	73.2	196.9	141.2	-	104.6	155.4	-	-	144.5		11.2	-	-	292.1	41.1	8	1 1/2	247.7	241.3	247.7
150	393.7	82.6	228.6	168.4	-	119.1	171.5	-	-	171.5		12.7	-	-	317.5	38.1	12	1 3/8	260.4	254.0	266.7
200	482.6	91.9	292.1	219.2	-	142.7	212.9	-	-	222.3		12.7	-	-	393.7	44.5	12	1 5/8	292.1	285.8	323.9
250	584.2	108.0	368.3	273.1	-	177.8	254.0	-	-	277.4		12.7	-	-	482.6	50.8	12	1 7/8	336.6	330.2	342.9
300	673.1	124.0	450.9	323.9	-	218.9	282.4	-	-	328.2		12.7	-	-	571.5	53.8	16	2	374.7	368.3	387.4
350	749.3	133.4	495.3	355.6	-	241.3	298.5	-	-	360.2		12.7	-	-	635.0	60.5	16	2 1/4	406.4	400.1	425.5
400	825.5	146.1	552.5	406.4	-	260.4	311.2	-	-	411.2		12.7	-	-	704.9	66.5	16	2 1/2	444.5	438.2	469.9
450	914.4	162.1	596.9	457.2	-	276.4	327.2	-	-	462.3		12.7	-	-	774.7	73.2	16	2 3/4	495.3	489.0	527.1
500	984.3	177.8	641.4	508.0	-	292.1	355.6	-	-	514.4		12.7	-	-	831.9	79.2	16	3	539.8	533.4	565.2
600	1168.4	203.2	762.0	609.6	-	330.2	406.4	-	-	616.0		12.7	-	-	990.6	91.9	16	3 1/2	616.0	609.6	647.7

NOTE : B = Bore size to be specified by customer



ANSI ASME FLANGE

B16.5 Class2500



CLASS2500

Unit : mm

Nominal Pipe Size	Outside Diam. of Flanges	Thk. of Flange Min.	Diam. of Hub	Hub Diam. Chamfer of W.N	LENGTH THROUGH HUB			Thread Length	BORE			Corner Radius of Bore of Lapped Flange	Counter bore Threaded Flange Min.	DRILLING				LENGTH OF STUD BOLTS		
					Threaded	Lapped	Welding Neck		Lapped	Welding Neck	Diam. of Bolt Circle			Diam. of Bolt Holes	Number of Bolts	Diam. of Bolts (inch)	Raised Face (0.25 Inch)	Male & Female or Tongue & Groove	Ring Joint	
																				Y1
15	133.4	30.2	42.9	21.3	39.6	39.6	73.2	28.4	22.9		3.0	23.6	88.9	22.4	4	3/4	120.7	114.3	120.7	
20	139.7	31.8	50.8	26.7	42.9	42.9	79.2	31.8	28.2		3.0	29.0	95.3	22.4	4	3/4	127.0	120.7	127.0	
25	158.8	35.1	57.2	33.5	47.8	47.8	88.9	35.1	35.1		3.0	35.8	108.0	25.4	4	7/8	139.7	133.4	139.7	
32	184.2	38.1	73.2	42.2	52.3	52.3	95.3	38.1	43.7		4.8	44.5	130.0	28.4	4	1	152.4	146.1	152.4	
40	203.2	44.5	79.2	48.3	60.5	60.5	111.3	44.5	50.0		6.4	50.5	146.1	31.8	4	1 1/8	171.5	165.1	171.5	
50	235.0	50.8	95.3	60.5	69.9	69.9	127.0	50.8	62.5		7.9	63.5	171.5	28.4	8	1	177.8	171.5	177.8	
65	266.7	57.2	114.3	73.2	79.2	79.2	142.7	57.2	75.4		7.9	76.2	196.9	31.8	8	1 1/8	196.9	190.5	203.2	
80	304.8	66.5	133.4	88.9	-	91.9	168.1	-	91.4		9.7	-	228.6	35.1	8	1 1/4	222.3	215.9	228.6	
100	355.6	76.2	165.1	114.3	-	108.0	190.5	-	116.8		11.2	-	273.1	41.1	8	1 1/2	254.0	247.7	260.4	
125	419.1	91.9	203.2	141.2	-	130.0	228.6	-	144.5		11.2	-	323.9	47.8	8	1 3/4	298.5	292.1	311.2	
150	482.6	108.0	235.0	168.4	-	152.4	273.1	-	171.5		12.7	-	368.3	53.8	8	2	342.9	336.6	355.6	
200	552.5	127.0	304.8	219.2	-	177.8	317.5	-	222.3		12.7	-	438.2	53.8	12	2	381.0	374.7	393.7	
250	673.1	165.1	374.7	273.1	-	228.6	419.1	-	277.4		12.7	-	539.8	66.5	12	2 1/2	489.0	482.6	508.0	
300	762.0	184.2	441.5	323.9	-	254.0	463.6	-	328.2		12.7	-	619.3	73.2	12	2 3/4	539.8	533.4	558.8	

NOTE : B = Bore size to be specified by customer



ANSI flange
ANSI flange dimension
ANSI flange specification
ANSI flange size
ansi flange standard
ANSI flange chart
ANSI 150 Flange
ANSI 300 flange
ANSI flange ratings
ANSI flange table
ANSI B16.5 Flange
ANSI Flange gasket
ANSI flange weights
b16.5 flange dimensions
asme flange
asme flange dimensions

ANSI ASME B16.5 Forged Flanges

Dimensions, Sizes and Specification of ANSI ASME B 16.5 Flanges

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