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FLANGES

Stainless Steel & Duplex Steel

Stainless Steel : ASTM A 182F - 304/304H/304L/316/316H/316/316Ti
309, 310, 317L, 321, 347, 904L
Duplex & : ASTM A182 - F51, F53, F55
Super Duplex

Hi-Nickel & Titanium

Hi-Nickel

Nickel : ASTM B 564 N02200, N02201
Inconel : ASTM B 564 N06600, N06601, N06617
ASTM B 564 N07718, ASTM B 564 N06625
Incoloy : ASTM B 564 N08800, N08810
ASTM B 564, N08825, ASTM B 564 N08020
Hastelloy : ASTM B 564 N10276, N06022
ASTM B 564 N10665, ASTM B 564 N06455

Titanium

Commercially : ASTM B 381 - Gr.1 R 56250 (CP4)
Titanium Pure Gr.2 R 50400 (CP3) Gr.3 R 50550 (CP2)
Gr.4 R 50700 (CP1) Gr.7 R 52400
Gr.11 R 52250
Titanium Alloys : ASTM B 381 - Gr.5 R 56400 (6Al-4V)
Gr.23 R 56401 (6Al-4V-ELI)
Gr.12 R 53400

Cupro Nickel

ASTM B 151 C70600 (90:10), ASTM B 151 C71500 (70:30)

Monel

ASTM B 564 - N04400, N05500

Alloy Steel, Carbon Steel

Alloy Steel : ASTM A 182 F 5, F 9, F 11,
F 12, F 22, F 91
Carbon Steel : A105
Low Temp. CS : ASTM A - 350 LF2

Size

15NB To 1200NB, ANSI B 16.5

Class

150#, 300#, 600#, 900#, 1500#, 2500#

Types

Weldneck	Screwed / Threaded
Socketweld	Long Weldneck
Slip on	Lapped Joint
Blind	Spectacle Blind

Test Certificate

Manufacturer Test Certification (En 3.1 & 3.2, IBR Test Certificate)

Specializing in :

Hi-Nickel & Stainless Steel Series

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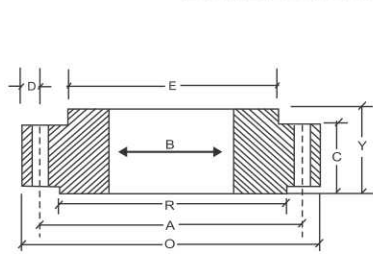
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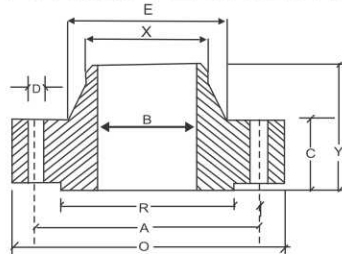


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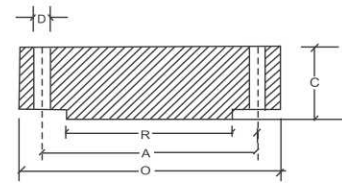
DIMENSIONS OF FORGED FLANGES AS PER ANSI 16.5



SLIP-ON FLANGE



WELDING NECK FLANGE



BLIND FLANGE

DIMENSIONS OF CLASS 150 FLANGES AS PER ANSI B 16.5

Nominal Pipe Size	Flange Dia	Dia of Bolt Circle	Dia of Bolt Holes	No. of Holes	Thk of Flange	Dia of Hub	Lenght through Hub			Dia of Bore		Dia of R/F	Depth of Socket	Pipe Dia
							S/O & S/W	W/N	L/J	S/O & S/W	L/J			
(MM)	(INCH.)	O	A	D	C	E	Y	Y	Y	B	B	R	F	X
15	1/2	88.9	60.3	15.9	4	11.1	15.9	47.6	15.9	22.3	22.9	34.9	9.5	21.33
20	3/4	98.4	69.8	15.9	4	12.7	15.9	52.4	15.9	27.7	28.2	42.9	11.1	26.67
25	1	107.9	79.4	15.9	4	14.3	17.5	55.6	17.5	34.5	35.0	50.8	12.7	33.40
32	1 1/4	117.5	88.9	15.9	4	15.9	20.6	57.1	20.6	43.2	43.7	63.5	14.3	42.16
40	1 1/2	127.0	98.4	15.9	4	17.5	22.2	61.9	22.2	49.5	50.0	73.0	15.9	48.26
50	2	152.4	120.6	19.0	4	19.0	25.4	63.5	25.4	62.0	62.5	92.1	17.5	60.31
65	2 1/2	177.8	139.7	19.0	4	22.2	28.6	69.8	28.6	74.7	75.4	104.8	19.0	73.02
80	3	190.5	152.4	19.0	4	23.8	30.2	69.8	30.2	90.7	91.4	127.0	20.6	88.90
100	4	228.6	190.5	19.0	8	23.8	33.3	76.2	33.3	116.1	116.8	157.2	-	114.30
125	5	254.0	215.9	22.2	8	23.8	36.5	88.9	36.5	143.8	144.5	185.7	-	141.30
150	6	279.4	241.3	22.2	8	25.4	39.7	88.9	39.7	170.7	171.4	215.9	-	168.27
200	8	342.9	298.4	22.2	8	28.6	44.4	101.6	44.4	221.5	222.2	269.9	-	219.07
250	10	406.4	361.9	25.4	12	30.2	49.2	101.6	49.2	276.3	277.4	323.8	-	273.05
300	12	482.6	431.8	25.4	12	31.8	55.6	114.3	55.6	327.1	328.2	381.0	-	323.85
350	14	533.4	476.2	28.6	12	34.9	57.1	127.0	79.4	359.1	360.2	412.7	-	355.60
400	16	596.9	539.7	28.6	16	36.5	63.5	127.0	87.3	410.5	411.2	469.9	-	406.40
450	18	635.0	577.8	31.7	16	39.7	68.3	139.7	96.8	461.8	462.3	533.4	-	457.20
500	20	698.5	635.0	31.7	20	42.9	73.0	144.5	103.2	513.1	514.3	584.2	-	508.00
600	24	812.8	749.3	34.9	20	47.6	82.5	152.4	111.1	615.9	615.9	692.1	-	609.60

All Dimensions are in Millimeters • Flanges except Lap Joint will be furnished with (1.6mm) Raised Face, which is included in Thickness(C) and Lenght through Hub(Y).

DIMENSIONS OF CLASS 300 FLANGES AS PER ANSI B 16.5

Nominal Pipe Size	Flange Dia	Dia of Bolt Circle	Dia of Bolt Holes	No. of Holes	Thk of Flange	Dia of Hub	Lenght through Hub			Dia of Bore		Dia of R/F	Depth of Socket	Pipe Dia
							S/O & S/W	W/N	L/J	S/O & S/W	L/J			
(MM)	(INCH.)	O	A	D	C	E	Y	Y	Y	B	B	R	F	X
15	1/2	95.2	66.7	15.9	4	14.3	22.2	52.4	22.2	22.3	22.9	34.9	9.5	21.33
20	3/4	117.5	82.5	19.0	4	15.9	25.4	57.1	25.4	27.7	28.2	42.9	11.1	26.67
25	1	123.8	88.9	19.0	4	17.5	27.0	61.9	27.0	34.5	35.0	50.8	12.7	33.40
32	1 1/4	133.3	98.4	19.0	4	19.0	27.0	65.1	27.0	43.2	43.7	63.5	14.3	42.16
40	1 1/2	155.6	114.3	22.2	4	20.6	30.2	68.3	30.2	49.5	50.0	73.0	15.9	48.26
50	2	165.1	127.0	19.0	8	22.2	33.3	69.8	33.3	62.0	62.5	92.1	17.5	60.31
65	2 1/2	190.5	149.2	22.2	8	25.4	38.1	76.2	38.1	74.7	75.4	104.8	19.0	73.02
80	3	209.5	168.3	22.2	8	28.6	42.9	79.4	42.9	90.7	91.4	127.0	20.6	88.90
100	4	254.0	200.0	22.2	8	31.8	47.6	85.7	47.6	116.1	116.8	157.2	23.8	114.30
125	5	279.4	234.9	22.2	8	34.9	50.8	98.4	50.8	143.8	144.5	185.7	-	141.30
150	6	317.5	269.9	22.2	12	36.5	52.4	98.4	52.4	170.7	171.4	215.9	-	168.27
200	8	381.0	330.2	25.4	12	41.3	61.9	111.1	61.9	221.5	222.2	269.9	-	219.07
250	10	444.5	387.3	28.6	16	47.6	66.7	117.5	95.2	276.3	277.4	323.8	-	273.05
300	12	520.7	450.8	31.7	16	50.8	73.0	130.2	101.6	327.1	328.2	381.0	-	323.85
350	14	584.2	514.3	31.7	20	54.0	76.2	142.9	111.1	359.1	360.2	412.7	-	355.60
400	16	647.7	571.5	34.9	20	57.2	82.5	146.0	120.6	410.5	411.2	469.9	-	406.40
450	18	711.2	628.5	34.9	24	60.3	88.9	158.7	130.2	461.8	462.3	533.4	-	457.20
500	20	774.7	685.8	34.9	24	63.5	95.2	161.9	139.7	513.1	514.3	584.2	-	508.00
600	24	914.4	812.8	41.3	24	69.8	106.4	168.3	152.4	615.9	615.9	692.1	-	609.60

All Dimensions are in Millimeters • Flanges except Lap Joint will be furnished with (1.6mm) Raised Face, which is included in Thickness(C) and Lenght through Hub(Y).



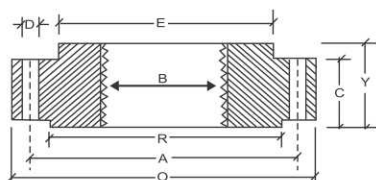
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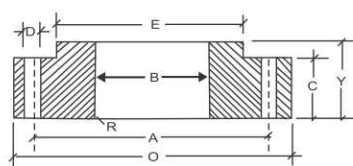


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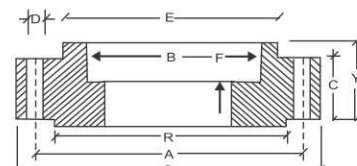
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THREADED FLANGES



LAP JOINT FLANGES



SOCKET WELD FLANGES

DIMENSIONS OF CLASS 600 FLANGES AS PER ANSI B 16.5

Nominal Pipe Size (MM)	Flange Dia O	Dia of Bolt Circle A	Dia of Bolt Holes D	No. of Holes	Thk of Flange C	Dia of Hub E	Lenght through Hub			Dia of Bore		Dia of R/F R	Depth of Socket F	Pipe Dia X
							S/O & S/W Y	W/N Y	L/J Y	S/O & S/W B	L/J B			
15	95.2	66.7	15.9	4	14.3	38.1	22.2	52.4	22.3	22.3	22.8	34.9	9.5	21.33
20	117.5	82.5	19.0	4	15.9	47.6	25.4	57.1	25.4	27.7	28.1	42.9	11.1	26.67
25	123.8	88.9	19.0	4	17.5	54.0	27.0	61.9	26.9	34.5	35.0	50.8	12.7	33.40
32	133.3	98.4	19.0	4	20.6	63.5	28.6	66.7	28.4	43.2	43.6	63.5	14.2	42.16
40	155.6	114.3	22.2	4	22.2	69.8	31.7	69.8	31.7	49.5	50.0	73.0	15.8	48.26
50	165.1	127.0	19.0	8	25.4	84.1	36.5	73.0	36.5	62.0	62.4	92.1	17.4	60.31
65	190.5	149.2	22.2	8	28.6	100.0	41.3	79.4	41.1	74.7	75.4	104.8	19.0	73.02
80	209.5	168.3	22.2	8	31.8	117.5	46.0	82.5	45.9	90.7	91.4	127.0	20.6	88.90
100	273.0	215.9	25.4	8	38.1	152.4	54.0	101.6	53.8	116.1	116.8	157.2	-	114.30
125	330.2	266.7	28.6	8	44.4	188.9	60.3	114.3	60.4	143.8	144.5	185.7	-	141.30
150	355.6	292.1	28.6	12	47.6	222.2	66.7	117.5	66.5	170.7	171.4	215.9	-	168.27
200	419.1	349.2	31.7	12	55.6	273.0	76.2	133.3	76.2	221.5	222.2	269.9	-	219.07
250	508.0	431.8	34.9	16	63.5	342.9	85.7	152.4	111.2	276.3	277.4	323.8	-	273.05
300	558.8	488.9	34.9	20	66.7	400.0	92.1	155.6	117.3	327.1	328.2	381.0	-	323.85
350	603.2	527.0	38.1	20	69.9	431.8	93.7	165.1	127.0	359.1	360.1	412.7	-	355.60
400	685.8	603.2	41.3	20	76.2	495.3	106.4	177.8	139.7	410.5	411.2	469.9	-	406.40
450	742.9	654.0	44.4	20	82.6	546.1	117.5	184.1	152.4	461.8	462.3	533.4	-	457.20
500	812.8	723.9	44.4	24	88.9	609.9	127.0	190.5	165.1	513.1	514.3	584.2	-	508.00
600	939.8	838.2	50.8	24	101.6	717.5	139.7	203.2	184.1	615.9	615.9	692.1	-	609.60

DIMENSIONS OF CLASS 900 FLANGES AS PER ANSI B 16.5

Nominal Pipe Size (MM)	Flange Dia O	Dia of Bolt Circle A	Dia of Bolt Holes D	No. of Holes	Thk of Flange C	Dia of Hub E	Lenght through Hub			Dia of Bore		Dia of R/F R	Depth of Socket F	Pipe Dia X
							S/O & S/W Y	W/N Y	L/J Y	S/O & S/W B	L/J B			
15	120.6	82.5	22.2	4	22.2	38.1	31.7	60.3	31.7	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	35.0	27.7	28.1	42.9	11.1	26.67
25	149.2	101.6	25.4	4	28.6	52.4	41.3	73.0	41.1	34.5	35.0	50.8	12.7	33.40
32	158.7	111.1	25.4	4	28.6	63.5	41.3	73.0	41.1	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	44.4	49.5	50.0	73.0	15.8	48.26
50	215.9	165.1	25.4	8	38.1	104.8	57.1	101.6	57.1	62.0	62.4	92.1	17.4	60.31
65	244.5	190.5	28.6	8	41.3	123.8	63.5	104.8	63.5	74.7	75.4	104.8	19.0	73.02
80	241.3	190.5	25.4	8	38.1	127.0	53.9	101.6	53.8	90.7	91.4	127.0	-	88.90
100	292.1	234.9	31.7	8	44.4	158.7	69.8	114.3	69.8	116.0	116.8	157.2	-	114.30
125	349.2	279.4	35.0	8	50.8	190.5	79.3	127.0	79.2	143.7	144.5	185.7	-	141.30
150	381.0	317.5	31.7	12	55.6	234.9	85.8	139.7	85.8	170.6	171.4	215.9	-	168.27
200	469.9	393.7	38.1	12	63.5	298.4	101.6	162.0	114.3	221.4	222.2	269.9	-	219.07
250	546.1	469.9	38.1	16	69.8	368.3	107.9	184.1	127.0	276.3	277.3	323.8	-	273.05
300	609.6	533.4	38.1	20	79.3	419.1	117.4	200.0	142.7	327.1	328.1	381.0	-	323.85
350	641.3	558.8	41.3	20	85.7	450.9	130.2	212.7	155.6	359.1	360.1	412.7	-	355.60
400	704.8	615.9	44.4	20	88.9	508.0	133.3	215.9	165.9	410.5	411.2	469.9	-	406.40
450	787.4	685.8	50.8	20	101.6	565.2	152.4	228.6	190.5	461.8	462.3	533.4	-	457.20
500	857.2	749.3	54.0	20	107.9	622.3	158.7	247.6	209.5	513.1	514.3	584.2	-	508.0
600	1041.4	901.7	66.5	20	139.7	749.3	203.2	292.1	266.7	615.9	615.9	692.1	-	609.60

All Dimensions are in Millimeters. Flanges except Lap Joint will be furnished with (6.35mm) Raised Face, which is not included in Thickness(C) and Lenght through Hub(Y).



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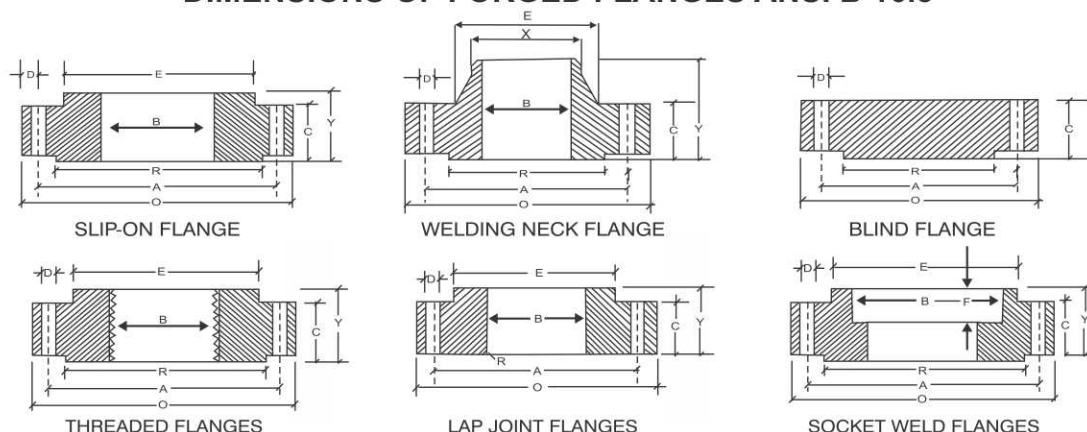
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DIMENSIONS OF FORGED FLANGES ANSI B 16.5



DIMENSIONS OF CLASS1500 FLANGES AS PER ANSI B 16.5

Nominal Pipe Size		Flange Dia	Dia of Bolt Circle	Dia of Bolt Holes	No. of Holes	Thk of Flange	Dia of Hub	Lenght through Hub			Dia of Bore		Dia of R/F	Depth of Socket	Pipe Dia
								S/O & S/W	W/N	L/J	S/O & S/W	L/J			
(MM)	(INCH.)	O	A	D		C	E	Y	Y	Y	B	B	R	F	X
For Dimensions from 1/2" to 2 1/2" kindly refer ASA 900 LBS Table.															
80	3	266.7	203.2	31.8	8	47.8	133.4	0.0	73.2	117.3	—	91.4	127.0	—	88.9
100	4	311.2	241.3	34.9	8	53.8	162.1	0.0	90.4	124.0	—	116.8	157.2	—	114.3
125	5	374.7	292.1	41.3	8	73.2	196.9	0.0	104.6	155.4	—	145.5	185.7	—	141.3
150	6	393.7	317.5	38.1	12	82.6	228.6	0.0	119.1	171.4	—	171.5	215.9	—	168.3
200	8	482.6	393.7	44.5	12	92.9	292.1	0.0	142.7	212.9	—	222.3	269.7	—	219.1
250	10	584.2	482.6	50.8	12	108.0	368.3	0.0	177.8	254.0	—	277.4	323.9	—	273.1
300	12	673.1	571.5	54.0	16	124.0	450.9	0.0	218.9	282.4	—	328.2	381.0	—	323.9
350	14	749.3	635.0	60.3	16	133.4	495.3	0.0	241.3	298.5	—	360.2	412.8	—	356.6
400	16	825.5	704.9	66.7	16	146.1	552.3	0.0	260.4	311.2	—	411.2	469.9	—	406.4
450	18	914.4	774.7	73.0	16	162.1	596.9	0.0	276.4	327.2	—	462.3	533.4	—	457.2
500	20	984.3	831.8	79.4	16	177.8	641.1	0.0	292.1	355.6	—	514.4	584.2	—	508.0
600	24	1168.4	990.6	92.1	16	203.2	762.0	0.0	330.2	406.4	—	616.0	692.2	—	609.6

All Dimensions are in Millimeters • Flanges except Lap Joint will be furnished with (6.35mm) Raised Face, which is not included in Thickness(C) and Lenght through Hub(Y).

DIMENSIONS OF CLASS 2500 FLANGES AS PER ANSI B 16.5

Nominal Pipe Size		Flange Dia	Dia of Bolt Circle	Dia of Bolt Holes	No. of Holes	Thk of Flange	Dia of Hub	Lenght through Hub			Dia of Bore		Dia of R/F	Depth of Socket	Pipe Dia
								S/O & S/W	W/N	L/J	S/O & S/W	L/J			
(MM)	(INCH.)	O	A	D		C	E	Y	Y	Y	B	B	R	F	X
15	1/2	133.3	88.9	22.2	4	30.2	42.9	39.7	73.0	39.7	22.3	22.3	34.9	~	21.33
20	3/4	139.7	95.3	22.2	4	31.7	50.8	42.9	79.4	42.9	27.7	27.7	42.9	~	26.67
25	1	158.7	107.9	25.4	4	34.9	57.1	47.7	88.9	47.7	34.5	34.5	50.8	~	33.40
32	1 1/4	184.1	130.2	28.6	4	38.1	73.0	52.4	95.2	52.4	43.2	43.2	63.5	~	42.16
40	1 1/2	203.2	146.0	31.7	4	44.4	79.4	60.3	111.1	60.3	49.5	49.5	73.0	~	48.26
50	2	234.9	171.4	28.6	8	50.8	95.2	69.8	127.0	69.8	62.4	62.0	92.1	~	60.31
65	2 1/2	266.7	196.8	31.7	8	57.1	114.3	79.4	142.9	79.4	74.7	74.7	104.8	~	73.02
80	3	304.8	228.6	34.9	8	66.7	133.3	92.1	168.3	92.1	90.7	90.7	127.0	~	88.90
100	4	355.6	273.0	41.2	8	76.2	165.1	107.9	190.5	107.9	116.1	116.1	157.2	~	114.30
125	5	419.1	323.8	47.6	8	92.1	203.2	130.0	228.6	130.0	143.8	143.8	185.7	~	141.30
150	6	482.6	368.3	54.0	8	107.9	234.9	152.4	273.0	152.4	170.7	170.7	215.9	~	168.27
200	8	552.4	438.1	54.0	12	127.0	304.8	177.8	317.5	177.8	221.5	221.5	269.9	~	219.20
250	10	673.1	539.7	66.7	12	165.1	374.6	228.6	419.1	228.6	276.3	276.3	323.8	~	273.05
300	12	762.0	619.1	73.0	12	184.1	441.3	254.0	463.5	254.0	327.1	327.1	381.0	~	323.85

All Dimensions are in Millimeters • Flanges except Lap Joint will be furnished with (6.35mm) Raised Face, which is not included in Thickness(C) and Lenght through Hub(Y).