



法兰 Flanges

项目 Item	内容 content	
标准 Standard	GB/t 9112~GB/T 9124~2000 SH 3406 HG 20592~HG 20605, HG 20615~HG 20626 ASME B16.5~2003 ASME B16.47~96 或按客户要求标准或技术条件 or according to the client's standards or technical requirements	
材料 Material	素钢, 合金钢, 不锈钢 Carbon steel, alloy steel and stainless steel	
规格 Size	DN15~DN2000 NPS1/2~NPS 80	
公称压力 Class	欧洲体系 (European system) PN0.25MPa, PN0.6MPa, PN1.0MPa, PN1.6MPa, PN2.5MPa, PN4.0MPa, PN6.3MPa, PN10.0MPa, PN16.0MPa 美洲体系 (American system): PN2.0MPa, PN5.0MPa, PN11.0MPa, PN15.0MPa, PN26.0MPa, PN42.0MPa/ Class150, Class300, Class400, Class600, Class900, Class1500, Class2500,	
密封面 Contact Surface	密封面型式 Type of contact surface	代号 symbol
	平面 flat face	FF
	突面 raised face	RF
	凹凸面 male and female	MF
	槽面 tongue and female	TG
	环连接面 ring joint face	RJ

法兰类型	密封面形式	压力等级PN, MPa
 板式平焊法兰 (PL) Plate-type Flat Welding Flange	突面(RF)	0.25-4.0
	全平面(FF)	0.25-1.6
 带颈平焊法兰 (SO) Slip-on Neck Flange	突面(RF)	0.6-4.0
	凹凸面(MFM)	1.0-4.0
	槽槽面(TG)	1.0-4.0
	全平面(FF)	0.6-1.6
 带颈对焊法兰 (WN) Butt Welding Neck Flange	槽突面(TG)	1.0-16.0
	凹凸面(MFM)	1.0-16.0
	槽槽面(TG)	1.0-16.0
	环连接面(RJ)	6.3-16.0
 承插焊法兰 (SW) Socket Welding Flange	全平面(FF)	1.0-1.6
	突面(RF)	1.0-10.0
 螺纹法兰 (TH) Thread Flange	凹凸面(MFM)	1.0-10.0
	槽槽面(TG)	1.0-10.0
	突面(RF)	0.6-4.0
 对焊环松套法兰 (PJ/SE) Butt Welding Ring Loose Flange	全平面(FF)	0.6-1.6
	突面(RF)	0.6-4.0
 平焊环松套法兰 (PJ/PR) Flat Welding Ring Loose Flange	突面(RF)	0.6-1.6
	凹凸面(MFM)	1.0-1.6
	槽槽面(TG)	1.0-1.6
 法兰盖 (BL) Blind Flange	突面(RF)	0.25-16
	凹凸面(MFM)	1.0-16
	槽槽面(TG)	1.0-16
	环连接面(RJ)	0.25-16
	全平面(FF)	0.25-1.6
 衬里法兰盖 (BL (S)) Lining Blind Flange	突面(RF)	0.6-4.0
	凸面(M)	1.0-4.0
	槽面(T)	1.0-4.0



锻造法兰 ANSIB 16.5 Forged Flange Class 150

Unit:mm

公称通径 Nominal Pipe Size	法兰外径 Outside diameter	法兰颈外径 Diam at Base of Hub	突面尺寸 O.D of Raised Face	法兰厚度 (最小) Thickness (min)	法兰孔 BORE			含颈高度 Length Thru Hub		
					高颈、承插焊法兰 Welding Neck socket welding	滑套角焊承插焊法兰 Slip-on Socket Welding	活套法兰 Lap Joint	高颈法兰 Welding Neck	滑套、螺纹、承插焊法兰 Slip-on Threaded Socket welding	活套法兰 Lap joint
	D	X	G	T	B1	B2	B3	T1	T2	T3
1/2	89	30.2	35.1	11.2	15.7	22.4	22.9	47.8	15.7	15.7
3/4	99	38.1	42.9	12.7	20.8	27.7	28.2	52.3	15.7	15.7
1	108	49.3	50.8	14.2	26.7	34.5	35.1	55.6	17.5	17.5
1 1/4	117	58.7	63.5	15.7	35.1	43.2	43.7	57.2	20.6	20.6
1 1/2	127	65.0	73.2	17.5	40.9	49.5	50.0	62.0	22.4	22.4
2	152	77.7	91.9	19.1	52.6	62.0	62.5	63.5	25.4	25.4
2 1/2	178	90.4	104.6	22.4	62.7	74.7	75.4	69.9	28.4	28.4
3	191	108.0	127.0	23.9	78.0	90.7	91.4	69.9	30.2	30.2
3 1/2	216	122.2	139.7	23.9	90.2	103.4	104.1	71.4	31.8	31.8
4	229	134.9	157.2	23.9	102.4	116.1	116.8	76.2	33.3	33.3
5	254	163.6	185.7	23.9	128.3	143.8	144.5	88.9	36.6	36.6
6	279	192.0	215.9	25.4	154.2	170.7	171.5	88.9	39.6	39.6
8	343	246.1	269.7	28.4	202.7	221.5	223.3	101.6	44.5	44.5
10	406	304.8	323.9	30.2	254.5	276.4	277.4	101.6	49.3	49.3
12	483	365.3	381.0	31.8	304.8	327.2	328.2	114.3	55.6	55.6
14	533	400.1	412.8	35.1	336.6	359.2	360.2	127.0	57.2	79.2
16	597	457.2	469.9	36.6	387.4	410.5	411.2	127.0	63.5	87.4
18	635	505.0	533.4	39.6	438.2	461.8	462.3	139.7	68.3	96.8
20	699	558.8	584.2	42.9	489.0	513.1	514.4	144.5	73.2	103.1
24	813	663.4	692.2	47.8	590.6	616.0	616.0	152.4	82.6	111.3

ANSIB 16.5 Forged Flange Class 150 锻造法兰

Unit:mm

公称通径 Nominal Pipe Size	法兰焊端外径 Diameter of Hub at bevel	圆角半径 Radius of Fillet	螺纹长度 Thread Length	承插孔深 Depth of Socket	钻孔 Drilling			栓接 Bolting			
					螺栓圆周直径 Bolt circle Diameter	螺栓孔数量 Number of Holes	螺栓孔直径 Diam of Holes	螺栓直径 (英寸) Diam of Bolts	机械螺栓长度 Machine Bolt Length (突面) Raised Face	双端螺栓长度 Stud Bolt Length	
	A	R	Q	Y							
1/2	21.3	3.0	15.7	9.7	60.5	4	15.7	1/2	50.8	57.2	-
3/4	26.7	3.0	15.7	11.2	69.9	4	15.7	1/2	50.8	63.5	-
1	33.5	3.0	17.5	12.7	79.2	4	15.7	1/2	57.2	63.5	76.2
1 1/4	42.2	4.8	20.6	14.2	88.9	4	15.7	1/2	57.2	69.9	82.6
1 1/2	48.3	6.4	22.4	15.7	98.6	4	15.7	1/2	63.5	69.9	82.6
2	60.5	7.9	25.4	17.5	120.7	4	19.1	5/8	69.9	82.6	95.3
2 1/2	73.2	7.9	28.4	19.1	139.7	4	19.1	5/8	76.2	88.9	101.6
3	88.9	9.7	30.2	20.6	152.4	4	19.1	5/8	76.2	88.9	101.6
3 1/2	101.6	9.7	31.8	22.4	177.8	8	19.1	5/8	76.2	88.9	101.6
4	114.3	11.2	33.3	23.9	190.5	8	19.1	5/8	76.2	88.9	101.6
5	141.2	11.2	36.6	23.9	215.9	8	22.4	3/4	82.6	95.3	108.0
6	168.4	12.7	39.6	26.9	241.3	8	22.4	3/4	82.6	101.6	114.3
8	219.2	12.7	44.5	31.8	298.5	8	22.4	3/4	88.9	108.0	120.7
10	273.1	12.7	49.3	33.3	362.0	12	25.4	7/8	101.6	114.3	127.0
12	323.9	12.7	55.6	39.6	431.8	12	25.4	7/8	101.6	120.7	133.4
14	355.6	12.7	57.2	41.4	476.3	12	28.4	1	114.3	133.4	146.1
16	406.4	12.7	63.5	44.5	539.8	16	28.4	1	114.3	133.4	146.1
18	457.2	12.7	68.3	49.3	577.9	16	31.8	1 1/8	127.0	146.1	158.8
20	508.0	12.7	73.2	54.1	635.0	20	31.8	1 1/8	139.7	158.8	171.5
24	609.6	12.7	82.6	63.5	749.3	20	31.8	1 1/4	152.4	171.5	184.2

- 备注: (1) 除活套法兰以外, 所有150磅法兰都有1.6毫米的突面, 不包含在厚度t以及含颈高度T1、T2内;
 (2) 滑套角焊法兰、螺纹法兰、承插焊法兰、活套法兰颈可以是上下垂直的或者最大7度以内的倾角;
 (3) 盲板法兰根据需求可有颈(如滑套法兰)或无颈;
 (4) 法兰双面必须1度以内平行, 为了达到平行, 孔口平面按照MSS SP-9标准来执行, 厚度不可少。
 (5) 3英寸以内的承插孔深度Y符合本规范 ANSI 16.5, 3英寸以上的根据客户要求。
 Notes: (1) Class 150 flanges except lap joint will be furnished with 0.06" (1.6mm) raised face which is included in 'Thickness' (t) and 'Length through Hub' (T1), (T2).
 (2) For slip-on, Threaded, Socket Welding and Lap Joint Flanges, the hubs can be shaped either vertical from base to top or tapered within the limits of 7 degrees.
 (3) Blind Flanges may be made with the same hub as that used for slip-on flanges or without hub.
 (4) The gasket surface and backside (bearing surface for bolting) are made parallel within 1 degree. To according to MSS SP-9 without reducing thickness (t).
 (5) Depth of socket (Y) is covered by ANSI b 16.5 only in size up to 3 inch, over is at the manufacturer's position.



锻造法兰 ANSIB 16.5 Forged Flange Class 300

Unit:mm

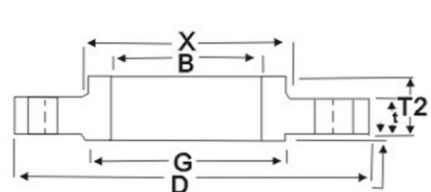
公称通径 Nominal Pipe Size	法兰外径 Outside diameter	法兰颈外径 Diam at Base of Hub	突面尺寸 O.D of Raised Face	法兰厚度 (最小) Thickness (min)	法兰孔 BORE				含颈高度 Length Thru Hub		
					高颈承插焊法兰 Welding Neck socket welding	滑套角焊承插焊法兰 Slip-on Socket Welding	活套法兰 Lap Joint	(沉孔) 螺纹法兰 Counter Bore Min Threaded	高颈法兰 Welding Neck	滑套、螺纹、承插焊法兰 Slip-on Threaded Socket welding	活套法兰 Lap joint
	D	X	G	T	B1	B2	B3	B	T1	T2	T3
1/2	95	38.1	35.1	14.2	15.7	22.4	22.9	23.6	52.3	22.4	22.4
3/4	117	47.8	42.9	15.7	20.8	27.7	28.2	29.0	57.2	25.4	25.4
1	124	53.8	50.8	17.5	26.7	34.5	35.1	35.8	62.0	26.9	26.9
11/4	133	63.5	63.5	19.1	35.1	43.2	43.7	44.5	65.0	26.9	26.9
11/2	155	69.9	73.2	20.6	40.9	49.5	50.0	50.5	68.3	30.2	30.2
2	165	84.1	91.9	22.4	52.6	62.0	62.5	63.5	69.9	33.3	33.3
21/2	191	100.1	104.6	25.4	62.7	74.7	75.4	76.2	76.2	38.1	38.1
3	210	117.3	127.0	28.4	78.0	90.7	91.4	92.2	79.2	42.9	42.9
31/2	229	133.3	139.7	30.2	90.2	103.4	104.1	104.9	81.0	44.5	44.5
4	254	146.1	157.2	31.8	102.4	116.1	116.8	117.6	85.9	47.8	47.8
5	279	177.8	185.7	35.1	128.3	143.8	144.5	144.5	98.6	50.8	50.8
6	318	206.2	215.9	36.6	154.2	170.7	171.5	171.5	98.6	52.3	52.3
8	381	260.4	269.7	41.1	202.7	221.5	222.3	222.3	111.3	62.0	62.0
10	445	320.5	323.9	47.8	254.5	276.4	277.4	276.4	117.3	66.5	95.3
12	521	374.7	381.0	50.8	304.8	327.2	328.2	328.7	130.0	73.2	101.6
14	584	425.5	412.8	53.8	336.6	359.2	360.2	360.4	142.7	76.2	111.3
16	648	482.6	469.9	57.2	387.4	410.5	411.2	411.2	146.1	82.6	120.7
18	711	533.4	533.4	60.5	438.2	461.8	462.3	462.0	158.8	88.9	130.0
20	775	584.2	584.2	63.5	489.0	513.1	514.3	512.8	162.1	95.3	139.7
24	914	692.2	692.2	69.9	590.6	616.0	616.0	614.4	168.1	106.4	152.4

ANSIB 16.5 Forged Flange Class 300 锻造法兰

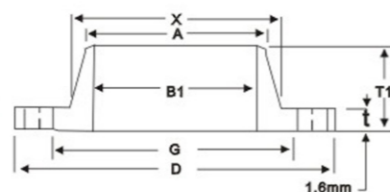
Unit:mm

公称通径 Nominal Pipe Size	法兰焊端外径 Diameter of Hub at bevel	圆角半径 Radius of Fillet	螺纹长度 Thread Length	承插孔深 Depth of Socket	钻孔 Drilling			栓接 Bolting			
					螺栓圆周直径 Bolt circle Diameter	螺栓孔数量 Number of Holes	螺栓孔直径 Diam of Holes	螺栓直径 Diam of Bolts (inch 英寸)	机械螺栓长度 Machine Bolt Length (突面) Raised Face	双端螺栓长度 Stud Bolt Length	
	A	R	Q	Y					突面 Raised Face	环接 Ring Joint	
1/2	21.3	3.0	15.7	9.7	66.5	4	15.7	1/2	57.2	63.5	76.2
3/4	26.7	3.0	15.7	11.2	82.6	4	19.1	5/8	63.5	76.2	88.9
1	33.5	3.0	17.5	12.7	88.9	4	19.1	5/8	63.5	76.2	88.9
11/4	42.2	4.8	20.6	14.2	98.6	4	19.1	5/8	69.9	82.6	95.3
11/2	48.3	6.4	22.4	15.7	114.3	4	22.4	3/4	76.2	88.9	101.6
2	60.5	7.9	25.4	17.5	127.0	8	19.1	5/8	76.2	88.9	101.6
21/2	73.2	7.9	28.4	19.1	149.4	8	22.4	3/4	82.6	101.6	114.3
3	88.9	9.7	30.2	20.6	168.1	8	22.4	3/4	88.9	108.0	120.7
31/2	101.6	9.7	31.8	22.4	184.2	8	22.4	3/4	95.3	108.0	127.0
4	114.3	11.2	33.3	23.9	200.2	8	22.4	3/4	95.3	114.3	127.0
5	141.2	11.2	36.6	23.9	235.0	8	22.4	3/4	108.0	120.7	133.4
6	168.4	12.7	39.6	26.9	269.7	12	22.4	3/4	108.0	120.7	139.7
8	219.2	12.7	44.5	31.8	330.2	12	25.4	7/8	120.7	139.7	152.4
10	273.1	12.7	49.3	33.3	387.4	16	28.4	1	139.7	158.8	171.5
12	323.9	12.7	55.6	39.6	450.9	16	31.8	11/8	146.1	171.5	184.2
14	355.6	12.7	57.2	41.4	514.4	20	31.8	11/8	158.8	177.8	190.5
16	406.4	12.7	63.5	44.5	571.5	20	35.1	11/4	165.1	190.5	203.2
18	457.2	12.7	68.3	49.3	628.7	24	35.1	11/4	171.5	196.9	209.6
20	508.0	12.7	73.2	54.1	685.8	24	35.1	11/4	184.2	203.2	222.3
24	609.6	12.7	82.6	63.5	812.8	24	41.1	11/2	203.2	228.6	254.0

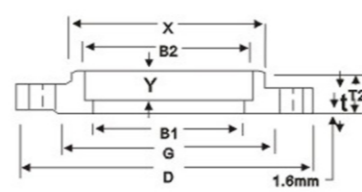
- 备注: (1) 除活套法兰以外, 所有300磅法兰都有1.6毫米的突面。不包含在厚度以及含颈高度T1、T2内;
 (2) 滑套角焊法兰、螺纹法兰、承插焊法兰、活套法兰颈可以是上下垂直的或者最大7度以内的倾角;
 (3) 盲板法兰根据需求可有颈(如滑套法兰)或无颈;
 (4) 法兰双面必须1度以内平行。为了达到平行, 孔口平面按照MSS SP-9标准来执行, 厚度不可少。
 (5) 3英寸以内的承插孔深度Y符合本规范 ANSI 16.5. 3英寸以上的根据客户要求。
 Notes:(1)Class 300 flanges except lap joint will be furnished with 0.06" (1.6mm) raised face which is included in ' Thickness' (t)and' Length through Hub' (T1),(T2).
 (2)For slip-on, Threaded, Socket Welding and Lap Joint Flanges, the hubs can be shaped either vertical from base to top or tapered within the limits of 7 degrees.
 (3)Blind Flanges may be made with the same hub as that used for slip-on flanges or without hub.
 (4)The gasket surface and backside(bearing surface for bolting) are made parallel within 1 degree. To according to MSS SP-9 without reducing thickness(t)
 (5)Depth of socket(Y) is covered by ANSI b 16.5 only in size up to 3 inch, over is at the manufacturer' s position.



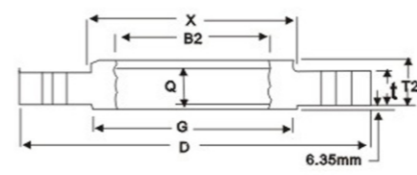
SLIP-ON



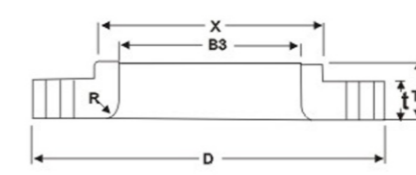
WELDING-NECK



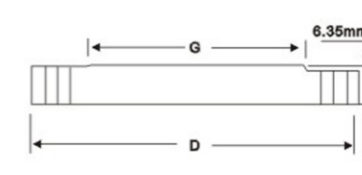
SOCKET WELDING



THEADED



LAP JOINT



BLIND

锻造法兰 ANSIB 16.5 Forged Flange Class 600

Unit:mm

公称通径 Nominal Pipe Size	法兰外径 Outside diameter	法兰颈外径 Diam at Base of Hub	突面尺寸 O.D of Raised Face	法兰厚度 (最小) Thickness (min)	法兰孔 BORE				含颈高度 Length Thru Hub		
					高颈法兰 Welding Neck	滑套角焊 承插焊法兰 Slip-on Socket Welding	活套法兰 Lap Joint	(沉孔) 螺纹法兰 Counter Bore Min Threaded	高颈法兰 Welding Neck	滑套、螺纹、 承插焊法兰 Slip-on Threaded Socket welding	活套法兰 Lap Joint
	D	X	G	T	B1	B2	B3	B	T1	T2	T3
1/2	95	38.1	35.1	14.2		22.4	22.9	23.6	52.3	22.4	22.4
3/4	117	47.8	42.9	15.7		27.7	28.2	29.0	57.2	25.4	25.4
1	124	53.8	50.8	17.5		34.5	35.1	35.8	62.0	26.9	26.9
11/4	133	63.5	63.5	20.6		43.2	43.7	44.5	66.5	28.4	28.4
11/2	155	69.9	73.2	22.4		49.5	50.0	50.5	69.9	31.8	31.8
2	165	84.1	91.9	25.4		62.0	62.5	63.5	73.2	36.6	36.6
21/2	191	100.1	104.6	28.4		74.7	75.4	76.2	79.2	41.1	41.1
3	210	117.3	127.0	31.8		90.7	91.4	92.2	82.6	46.0	46.0
31/2	229	133.4	139.7	35.1		103.4	104.1	104.9	85.9	49.3	49.3
4	273	152.4	157.2	38.1		116.1	116.8	117.6	101.6	53.8	53.8
5	330	189.0	185.7	44.5		143.8	144.5	144.5	114.3	60.5	60.5
6	356	222.3	215.9	47.8		170.7	171.5	171.5	117.3	66.5	66.5
8	419	273.1	269.7	55.6		221.5	222.3	222.3	133.4	76.2	76.2
10	508	342.9	323.9	63.5		276.4	277.4	276.4	152.4	85.9	111.3
12	559	400.1	381.0	66.5		327.2	328.2	328.7	155.4	91.9	117.3
14	603	431.8	412.8	69.9		359.2	360.2	360.4	165.1	93.7	127.0
16	686	495.3	469.9	76.2		410.5	411.2	411.2	177.8	106.4	139.7
18	743	546.1	533.4	82.6		461.8	462.3	462.0	184.2	117.3	152.4
20	813	609.6	584.2	88.9		513.1	514.4	512.8	190.5	127.0	165.1
24	940	717.6	692.2	101.6		616.0	616.0	614.4	203.2	139.7	184.2

（根据客户要求）To be specified by purchaser

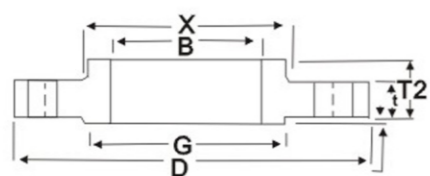
ANSIB 16.5 Forged Flange Class 600 锻造法兰

Unit:mm

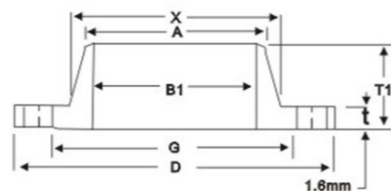
公称通径 Nominal Pipe Size	法兰焊端外径 Diameter of Hub at bevel	圆角半径 Radius of Fillet	螺纹长度 Thread Length	承插孔深 Depth of Socket	钻孔 Drilling			栓接 Bolting			
					螺栓 圆周直径 Bolt circle Diameter	螺栓孔数量 Number of Holes	螺栓孔直径 Diam of Holes	螺栓直径 Diam of Bolts	双端螺栓长度 Stud Bolt Length		
	A	R	Q	Y					突面 0.25 * Raised Face 0.25 *	凹凸槽 Male- Female Tongue- Groove	环接 Ring Joint
1/2	21.3	3.0	15.7	9.7	66.5	4	15.7	1/2	76.2	69.9	76.2
3/4	26.7	3.0	15.7	11.2	82.6	4	19.1	5/8	88.9	82.6	88.9
1	33.5	3.0	17.5	12.7	88.9	4	19.1	5/8	88.9	82.6	88.9
11/4	42.2	4.8	20.6	14.2	98.6	4	19.1	5/8	95.3	88.9	95.3
11/2	48.3	6.4	22.4	15.7	114.3	4	22.4	3/4	108	101.6	108
2	60.5	7.9	28.4	17.5	127	8	19.1	5/8	108	101.6	108
21/2	73.2	7.9	31.8	19.1	149.4	8	22.4	3/4	120.7	114.3	120.7
3	88.9	9.7	35.1	20.6	168.1	8	22.4	3/4	127	120.7	127
31/2	101.6	9.7	39.6	22.4	184.2	8	25.4	7/8	139.7	13.4	139.7
4	114.3	11.2	41.1	23.9	215.9	8	25.4	7/8	146.1	139.7	146.1
5	141.2	11.2	47.8	23.9	266.7	12	28.4	1	165.1	158.8	165.1
6	168.4	12.7	50.8	26.9	292.1	12	28.4	1	171.5	165.1	171.5
8	219.2	12.7	57.2	31.8	349.3	16	31.8	11/8	190.5	184.2	196.9
10	273.1	12.7	65.0	33.3	431.8	20	35.1	11/4	215.9	209.6	215.9
12	323.6	12.7	69.9	39.6	489	20	35.1	11/4	222.3	215.9	222.3
14	355.6	12.7	73.2	41.4	527.1	20	38.1	13/8	235	228.6	235
16	406.4	12.7	77.7	44.5	603.3	20	41.1	11/2	254	247.7	254
18	457.2	12.7	79.2	49.3	654.1	20	44.5	15/8	273.1	266.7	273.1
20	508.0	12.7	82.6	54.1	723.9	24	44.5	15/8	285.8	279.4	292.1
24	609.6	12.7	91.9	63.5	838.2	24	50.8	17/8	330.2	323.9	336.6

备注: (1)除活套法兰以外, 所有600磅法兰都有6.25毫米的突面。不包含在厚度以及含颈高度T1、T2内;
 (2)滑套角焊法兰、螺纹法兰、承插焊法兰、活套法兰颈可以是上下垂直的或者最大7度以内的倾角;
 (3)盲板法兰根据需求可有颈(如滑套法兰)或无颈;
 (4)法兰双面必须1度以内平行。为了达到平行, 孔口平面按照MSS SP-9标准来执行, 厚度不可少。
 (5) 400磅1/2和31/2的尺寸是一致的;
 (6)3英寸以内的承插孔深度Y符合本规范 ANSI 16.5.3英寸以上的根据客户要求。

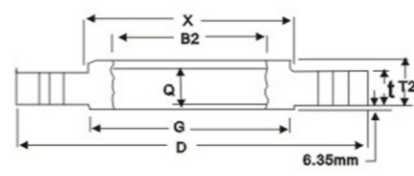
Notes: (1)Class 600 flanges except lap joint will be furnished with 0.25" raised face which is included in 'Thickness' (t) and 'Length through Hub' (T1),(T2).
 (2)For slip-on, Threaded, Socket Welding and Lap Joint Flanges, the hubs can be shaped either vertical from base to top or tapered within the limits of 7 degrees.
 (3)Blind Flanges may be made with the same hub as that used for slip-on flanges or without hub.
 (4)The gasket surface and backside (bearing surface for bolting) are made parallel within 1 degree. To according to MSS SP-9 without reducing thickness(t)
 (5)dimensions of size "1/2" to "31/2" are the same for class 400 flanges.
 (6)Depth of socket(Y) is covered by ANSI b 16.5 only in size up to 3 inch, over is at the manufacturer's position.



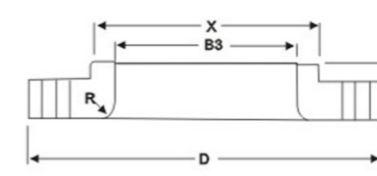
SLIP-ON



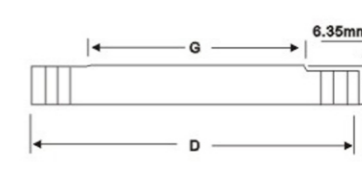
WELDING-NECK



THEADED



LAP JOINT



BLIND

锻造法兰 ANSIB 16.5 Forged Flange Class 900

Unit:mm

公称通径 Nominal Pipe Size	法兰外径 Outside diameter	法兰颈外径 Diam at Base of Hub	突面尺寸 O.D of Raised Face	法兰厚度 (最小) Thickness (min)	法兰孔 BORE				含颈高度 Length Thru Hub		
					高颈法兰 Welding Neck	滑套角焊 承插焊法兰 Slip-on Socket Welding	活套法兰 Lap Joint	(沉孔) 螺纹法兰 Counter Bore Min Threaded	高颈法兰 Welding Neck	滑套、螺纹、 承插焊法兰 Slip-on Threaded Socket welding	活套法兰 Lap joint
	D	X	G	T	B1	B2	B3	B	T1	T2	T3
1/2	121	38.1	35.1	22.4		22.4	22.9	23.6	60.5	31.8	31.8
3/4	130	44.5	42.9	25.4		27.7	28.2	29.0	69.9	35.1	35.1
1	149	52.3	50.8	28.4		34.5	35.1	35.8	73.2	41.1	41.1
1 1/4	159	63.5	63.5	28.4		43.2	41.7	44.5	73.2	41.1	41.1
1 1/2	178	69.9	73.2	31.8		49.5	50.0	50.5	82.6	44.5	44.5
2	216	104.6	91.9	38.1		62.0	62.5	63.5	101.6	57.2	57.2
2 1/2	244	124.0	104.6	41.1		74.7	75.4	76.2	104.6	63.5	63.5
3	241	127.0	127.0	38.1		90.7	91.4	92.2	101.6	53.8	53.8
4	292	158.8	157.2	44.5		116.1	116.8	117.6	114.3	69.9	69.9
5	349	190.5	185.7	50.8		143.8	144.5	144.5	127.0	79.2	79.2
6	381	235.0	215.9	55.6		170.7	171.5	171.5	139.7	85.9	85.9
8	470	298.5	269.7	63.5		221.5	222.3	222.3	162.1	101.6	114.3
10	546	368.3	323.9	69.9		276.4	277.4	276.4	184.2	108.0	127.0
12	610	419.1	381.0	79.2		327.2	328.2	328.7	200.2	117.3	142.7
14	641	450.9	412.8	85.9		359.2	360.2	360.4	212.9	130.0	155.4
16	705	508.0	469.9	88.9		410.5	411.2	411.2	215.9	133.4	165.1
18	787	565.2	533.4	101.6		461.8	462.3	462.0	228.6	152.4	190.5
20	857	622.3	584.2	108.0		513.1	514.4	512.8	247.7	158.8	209.6
24	1041	749.3	692.2	139.7		616.0	616.0	614.4	292.1	203.2	266.7

(根据客户要求) To be specified by purchaser

ANSIB 16.5 Forged Flange Class 900 锻造法兰

Unit:mm

公称通径 Nominal Pipe Size	法兰焊端外径 Diameter of Hub at bevel	圆角半径 Radius of Fillet	螺纹长度 Thread Length	钻孔 Drilling			栓接 Bolting			
				螺栓 圆周直径 Bolt circle Diameter	螺栓孔数量 Number of Holes	螺栓孔直径 Diam of Holes	螺栓直径 Diam of Bolts	双端螺栓长度 Stud Bolt Length		
	A	R	Q					突面 0.25" Raised Face 0.25"	凹凸槽 Male-Female Tongue-Groove	环接 Ring Joint
1/2	21.3	3.0	22.4	82.6	4	22.4	3/4	108.0	101.6	108.0
3/4	26.7	3.0	25.4	88.9	4	22.4	3/4	114.3	108.0	114.3
1	33.5	3.0	28.4	101.6	4	25.4	7/8	127.0	120.7	127.0
1 1/4	42.2	4.8	30.2	111.3	4	25.4	7/8	127.0	120.7	127.0
1 1/2	48.3	6.4	31.8	124.0	4	28.4	1	139.7	133.4	139.7
2	60.5	7.9	38.1	165.1	8	25.4	7/8	146.1	139.7	146.1
2 1/2	73.2	7.9	47.8	190.5	8	28.4	1	158.8	152.4	158.8
3	88.9	9.7	41.1	190.5	8	25.4	7/8	146.1	139.7	146.1
4	114.3	11.2	47.8	235.0	8	31.8	1 1/8	171.5	165.1	171.5
5	141.2	11.2	53.8	279.4	8	35.1	1 1/4	190.5	184.2	190.5
6	168.4	12.7	57.2	317.5	12	31.8	1 1/8	190.5	184.2	196.9
8	219.2	12.7	63.5	393.7	12	38.1	1 3/8	222.3	215.9	222.3
10	273.1	12.7	71.4	469.9	16	38.1	1 3/8	235.0	228.6	235.0
12	323.9	12.7	76.2	533.4	20	38.1	1 3/8	254.0	247.7	254.0
14	355.6	12.7	82.6	558.8	20	41.1	1 1/2	273.1	266.7	292.1
16	406.4	12.7	85.9	616.0	20	44.5	1 5/8	285.8	279.4	298.5
18	457.2	12.7	88.9	685.8	20	50.8	1 7/8	323.9	317.5	333.6
20	508.0	12.7	91.9	749.3	20	53.8	2	349.3	342.9	362.0
24	609.6	12.7	101.6	901.7	20	66.5	1 1/2	438.2	431.8	457.2

备注: (1) 除活套法兰以外, 所有900磅法兰都有6.25毫米的突面, 不包含在厚度以及含颈高度T1、T2内;
 (2) 滑套角焊法兰、螺纹法兰、承插焊法兰、活套法兰颈可以是上下垂直的或者最大7度以内的倾角;
 (3) 盲板法兰根据需求可有颈(如滑套法兰)或无颈;
 (4) 法兰双面必须1度以内平行。为了达到平行, 孔口平面按照MSS SP-9标准来执行, 厚度不可少。
 (5) 1/2和2 1/2尺寸的法兰和1500磅的相同

Notes: (1) Class 900 flanges except lap joint will be furnished with 0.25" (6.25mm) raised face which is included in 'Thickness' (t) and 'Length through Hub' (T1), (T2).
 (2) For slip-on, Threaded, Socket Welding and Lap Joint Flanges, the hubs can be shaped either vertical from base to top or tapered within the limits of 7 degrees.
 (3) Blind Flanges may be made with the same hub as that used for slip-on flanges or without hub.
 (4) The gasket surface and backside (bearing surface for bolting) are made parallel within 1 degree. To according to MSS SP-9 without reducing thickness (t).
 (5) Dimensions of size 1/2 and 2 1/2 are the same as for class 1500 flanges