











CLASS ANSI B 16.5 ······ CLASS ASME B 16.47 SER E CLASS ASME B 16.47 SER A AWWA C207-07 -Rings & BI AWWA C207-07 -Rings & BI





美标法兰参数系列

B(API 605) ·····49–56	
(MSS SP 44)57-66	
linds.CLASS B······67	
linds.CLASS D68	



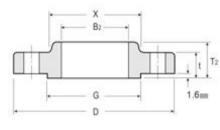
www.jsfitting.com

Tel:0311-87367207

Fax:0311-68055612

Add:Cangzhou City,Hebei Province,China

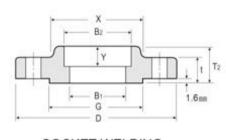
金盛 JSmiss 管性



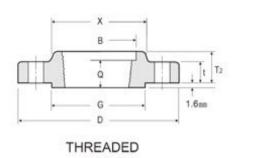
SLIP-ON

WELDING NECK

1.6nm



SOCKET WELDING



CLASS 150 FLANGES

ANSI B16.5 FORGED FLANGES

			DRILLING	3		BOLT	ING				APPROX	IMATE W	EIGHT		
Nominal Pipe	Depth of Socket	Bolt	Number	Diam	Diam of	Machine Bolt Length	Stud Len			Welding Neck		Slip-on and	Lap	Blind	Socket
Size		Diam	Holes	Holes	Bolts (inch)	Raised	Raised	Ring		000000		Threaded	Joint	Bind	Welding
	Y					Face	Face	Joint	SCH40	SCH80	SCH160				-
1/2	9.7	60.5	4	15.7	1/2	50.8	57.2	-	0.60	0.60	0.60	0.47	0.51	0.47	0.47
3/4	11.2	69.9	4	15.7	1/2	50.8	63.5	1	0.90	0.90	0.90	0.58	0.64	0.63	0.59
1	12.7	79.2	4	15.7	1/2	57.2	63.5	76.2	1.14	1.18	1.24	0.86	0.93	0.94	0.87
1 1/4	14.2	88.9	4	15.7	1/2	57.2	69.9	82.6	1.41	1.48	1.54	1.08	1.16	1.23	1.11
1 1/2	15.7	98.6	4	15.7	1/2	63.5	69.9	82.6	1.81	1.90	2.01	1.41	1.51	1.62	1.45
2	17.5	120.7	4	19.1	5/8	69.9	82.6	95.3	2.72	2.84	3.07	2.26	2.38	2.64	2.33
2 1/2	19.1	139.7	4	19.1	5/8	76.2	88.9	101.6	4.45	4.70	4.98	3.43	3.6	4.07	3.55
3	20.6	152.4	4	19.1	5/8	76.2	88.9	101.6	5.22	5.54	5.90	3.87	4.04	4.92	4.02
3 1/2	22.4	177.8	8	19.1	5/8	76.2	88.9	101.6	6.40	6.76	7.46	5.20	5.24	5.90	5.24
4	23.9	190.5	8	19.1	5/8	76.2	88.9	101.6	7.49	7.96	8.90	5.75	5.96	7.41	5.99
5	23.9	215.9	8	22.4	3/4	82.6	95.3	108.0	9.53	10.54	12.04	6.26	6.44	8.76	6.68
6	26.9	241.3	8	22.4	3/4	82.6	101.6	114.3	11.80	13.12	15.11	7.38	7.65	11.40	8.60
8	31.8	298.5	8	22.4	3/4	88.9	108.0	120.7	19.10	21.34	25.84	12.36	12.66	20.10	13.60
10	33.3	362.0	12	25.4	7/8	101.6	114.3	127.0	24.50	28.85	35.74	17.10	17.4	29.39	19.50
12	39.6	431.8	12	25.4	7/8	101.6	120.7	133.4	39.90	46.80	58.01	27.68	28.3	43.80	29.10
14	41.4	476.3	12	28.4	1	114.3	133.4	146.1	51.80	62.58	77.60	35.2	41.5	59.42	40.90
16	44.5	539.8	16	28.4	1	114.3	133.4	146.1	64.50	79.42	98.82	45.5	52.98	77.40	47.17
18	49.3	577.9	16	31.8	1 1/8	127.0	146.1	158.8	74.90	97.63	124.32	49.71	59	94.8	54.43
20	54.1	635.0	20	31.8	1 1/8	139.7	158.8	171.5	89.40	120.44	154.18	66.5	72.12	123.4	70.31
24	63.5	749.3	20	35.1	1 1/4	152.4	171.5	184.2	121.70	169.37	223.92	90.5	99.42	188.24	95.25

CLASS 150 FLANGES

ANSI B16.5 FORGED FLANGES

		1000	(Construct)		2	BORE		LENG	TH THRU I	HUB			
Nominal Pipe Size	Outside Diam.	Diam. at Base of Hub	O.D of Raised Face	Thick- ness	Welding Neck Socket Welding	Slip-on Socket Welding	Lap Joint	Welding Neck	Slip-on Threaded Socket Welding	Lap Joint	Diam. of Hub at Bevel	Radius of Fillet	Thread Length
	D	х	G	t	B1	B2	B3	T1	T2	Т3	A	R	Q
1/2	88.9	30.2	35.1	11.2	15.7	22.4	22.9	47.8	15.7	15.7	21.3	3.0	15.7
3/4	98.6	38.1	42.9	12.7	20.8	27.7	28.2	52.3	15.7	15.7	26.7	3.0	15.7
1	108	49.3	50.8	14.2	26.7	34.5	35.1	55.6	17.5	17.5	33.5	3.0	17.5
1 1/4	117.3	58.7	63.5	15.7	35.1	43.2	43.7	57.2	20.6	20.6	42.2	4.8	20.6
1 1/2	127	65.0	73.2	17.5	40.9	49.5	50.0	62.0	22.4	22.4	48.3	6.4	22.4
2	152.4	77.7	91.9	19.1	52.6	62.0	62.5	63.5	25.4	25.4	60.5	7.9	25.4
2 1/2	177.8	90.4	104.6	22.4	62.7	74.7	75.4	69.9	28.4	28.4	73.2	7.9	28.4
3	190.5	108.0	127.0	23.9	78.0	90.7	91.4	69.9	30.2	30.2	88.9	9.7	30.2
3 1/2	215.9	122.2	139.7	23.9	90.2	103.4	104.1	71.4	31.8	31.8	101.6	9.7	31.8
4	228.6	134.9	157.2	23.9	102.4	116.1	116.8	76.2	33.3	33.3	114.3	11.2	33.3
5	254	163.6	185.7	23.9	128.3	143.8	144.5	88.9	36.6	36.6	141.2	11.2	36.6
6	279.4	192.0	215.9	25.4	154.2	170.7	171.5	88.9	39.6	39.6	168.4	12.7	39.6
8	342.9	246.1	269.7	28.4	202.7	221.5	222.3	101.6	44.5	44.5	219.2	12.7	44.5
10	406.4	304.8	323.9	30.2	254.5	276.4	277.4	101.6	49.3	49.3	273.1	12.7	49.3
12	482.6	365.3	381.0	31.8	304.8	327.2	328.2	114.3	55.6	55.6	323.9	12.7	55.6
14	533.4	400.1	412.8	35.1	336.6	359.2	360.2	127.0	57.2	79.2	355.6	12.7	57.2
16	596.9	457.2	469.9	36.6	387.4	410.5	411.2	127.0	63.5	87.4	406.4	12.7	63.5
18	635	505.0	533.4	39.6	438.2	461.8	462.3	139.7	68.3	96.8	457.2	12.7	68.3
20	698.5	558.8	584.2	42.9	489.0	513.1	514.4	144.5	73.2	103.1	508.0	12.7	73.2
24	812.8	663.4	692.2	47.8	590.6	616.0	616.0	152.4	82.6	111.3	609.6	12.7	82.6

Notes:

(1) For the 'Bore'(B1) other than Standard Wall Thickness, refer to page 83.

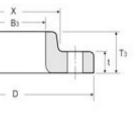
(2) Class 150 flanges except Lap Joint will be furnished with 0.06" (1.6mm) raised face, which is included in "Thickness" (1) and 'Length through Hub' (T1), (T2).

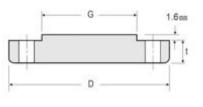
(3) For Slip-on, Threaded, Socket Welding and Lap Joint Flanges, the hubs can be shaped either vertical from base to top or tapered within the limits of 7 degrees.

(4) Blind Flanges may be made with the same hub as that used for Slip-on Flanges or without hub. (5) 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(t), (6) Depth of Socket (Y) is covered by ANSI B16.5 only in sizes through 3 inch, over 3 inch is at the manufacture's option.

037







LAP JOINT

BLIND



www.jsfitting.com

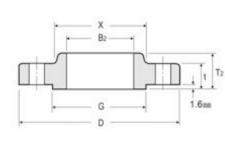
Tel:0311-87367207

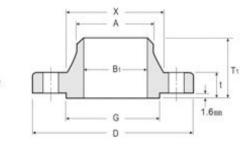
Fax:0311-68055612

Add:Cangzhou City,Hebei Province,China

全盛 JSFITTINGS

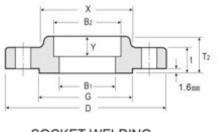
www.jsfitting.com



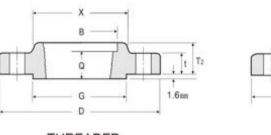


SLIP-ON

WELDING NECK



SOCKET WELDING



THREADED

CLASS 300 FLANGES

ANSI B16.5 FORGED FLANGES

	1000000000		DRILLING	ì		BOLT	TING				APPROX	IMATE W	/EIGHT		
Nominal Pipe Size	Depth of Socket	Bolt Circle	Number	Diam	Diam	Machine Bolt Length	Stud Len			Welding Neck		Slip-on and	Lap Joint	Blind	Socket
5020		Diam	Holes	Holes	Bolts (inch)	Raised	Raised	Ring	-			Threaded	Joint	Olina	Welding
	Y				(1001)	Face	Face	Joint	SCH40	SCH80	SCH160				
1/2	9.7	66.5	4	15.7	1/2	57.2	63.5	76.2	0.91	0.91	0.91	0.63	0.63	0.63	0.63
3/4	11.2	82.6	4	19.1	5/8	63.5	76.2	88.9	1.36	1.36	1.36	1.16	1.16	1.16	1.19
1	12.7	88.9	4	19.1	5/8	63.5	76.2	88.9	1.82	1.87	1.93	1.39	1.39	1.42	1.44
1 1/4	14.2	98.6	4	19.1	5/8	69.9	82.6	95.3	2.27	2.35	2.41	1.75	1.75	1.88	1.75
1 1/2	15.7	114.3	4	22.4	3/4	76.2	88.9	101.6	3.18	3.28	3.40	2.53	2.53	2.68	2.62
2	17.5	127.0	8	19.1	5/8	76.2	88.9	101.6	3.36	3.49	3.75	2.90	2.91	3.22	2.94
2 1/2	19.1	149.4	8	22.4	3/4	82.6	101.6	114.3	5.45	5.72	6.02	4.25	4.25	4.80	4.49
3	20.6	168.1	8	22.4	3/4	88.9	108.0	120.7	7.32	7.52	8.94	5.92	5.94	6.89	6.2
3 1/2	22.4	184.2	8	22.4	3/4	95.3	108.0	127.0	8.93	9.31	10.10	7.72	7.74	9.53	
4	23.9	200.2	8	22.4	3/4	95.3	114.3	127.0	12.10	12.62	13.69	10.13	10.15	11.2	1
5	23.9	235.0	8	22.4	3/4	108.0	120.7	133.4	16.30	17.42	19.08	12.58	12.6	15.96	
6	26.9	269.7	12	22.4	3/4	108.0	120.7	139.7	20.40	21.86	24.07	16.04	16.05	21.40	1
8	31.8	330.2	12	25.4	7/8	120.7	139.7	152.4	31.30	33.75	38.69	24.5	24.53	34.6	
10	33.3	387.4	16	28.4	1	139.7	158.8	171.5	45.40	50.43	58.38	34.16	39.92	53.50	
12	39.6	450.9	16	31.8	1 1/8	146.1	171.5	184.2	64.50	72.35	85.10	51.26	58.7	78.9	
14	41.4	514.4	20	31.8	1 1/8	158.8	177.8	190.5	93.50	105.61	122.49	72.12	83.46	107.5	
16	44.5	571.5	20	35.1	1 1/4	165.1	190.5	203.2	113.10	130.25	152.56	90.4	106.14	139.25	
18	49.3	628.7	24	35.1	1 1/4	171.5	196.9	209.6	138.90	164.74	195.07	109	133.95	176.9	
20	54.1	685.8	24	35.1	1 1/4	184.2	203.2	222.3	167.70	202.32	240.17	136	157.65	223.17	
24	63.5	812.8	24	41.1	1 1/2	203.2	228.6	254.0	238.68	288.15	348.28	204	240.4	342	-

(4) Blind Flanges may be made with the same hub as that used for Slip-on Flanges or without hub, (5) 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(t). (6) Depth of Socket (Y) is covered by ANSI B16.5 only in sizes through 3 inch, over 3 inch is at the manufacture's option.

CLASS 300 FLANGE	S
------------------	---

ANSI B16.5 FORGED FLANGES

			0.000			BO	RE		LENG	TH THRU	HUB			
Nominal Pipe Size	Outside Diam.	Diam. at Base of Hub	O.D of Raised Face	Thick- ness	Welding Neck Socket Welding	Slip-on Socket Welding	Lap Joint	Counter Bore Min. Threaded Min.	Welding Neck	Slip-on Threaded Socket Welding	Lap Joint	Diam. of Hub at Bevel	Radius of Fillet	Thread Length
	D	Х	G	t	B1	B2	B3	В	T1	T2	T3	A	R	Q
1/2	95.3	38.1	35.1	14.2	15.7	22.4	22.9	23.6	52.3	22.4	22.4	21.3	3.0	15.7
3/4	117.3	47.8	42.9	15.7	20.8	27.7	28.2	29.0	57.2	25.4	25.4	26.7	3.0	15.7
1	124	53.8	50.8	17.5	26.7	34.5	35.1	35.8	62.0	26.9	26.9	33.5	3.0	17.5
1 1/4	133.4	63.5	63.5	19.1	35.1	43.2	43.7	44.5	65.0	26.9	26.9	42.2	4.8	20.6
1 1/2	155.4	69.9	73.2	20.6	40.9	49.5	50.0	50.5	68.3	30.2	30.2	48.3	6.4	22.4
2	165.1	84.1	91.9	22.4	52.6	62.0	62.5	63.5	69.9	33.3	33.3	60.5	7.9	28.4
2 1/2	190.5	100.1	104.6	25.4	62.7	74.7	75.4	76.2	76.2	38.1	38.1	73.2	7.9	31.8
3	209.6	117.3	127.0	28.4	78.0	90.7	91.4	92.2	79.2	42.9	42.9	88.9	9.7	31.8
3 1/2	228.6	133.4	139.7	30.2	90.2	103.4	104.1	104.9	81.0	44.5	44.5	101.6	9.7	36.6
4	254	146.1	157.2	31.8	102.4	116.1	116.8	117.6	85.9	47.8	47.8	114.3	11.2	36.6
5	279.4	177.8	185.7	35.1	128.3	143.8	144.5	144.5	98.6	50.8	50.8	141.2	11.2	42.9
6	317.5	206.2	215.9	36.6	154.2	170.7	171.5	171.5	98.6	52.3	52.3	168.4	12.7	46.0
8	381	260.4	269.7	41.1	202.7	221.5	222.3	222.3	111.3	62.0	62.0	219.2	12.7	50.8
10	444.5	320.5	323.9	47.8	254.5	276.4	277.4	276.4	117.3	66.5	95.3	273.1	12.7	55.6
12	520.7	374.7	381.0	50.8	304.8	327.2	328.2	328.7	130.0	73.2	101.6	323.9	12.7	60.5
14	584.2	425.5	412.8	53.8	336.6	359.2	360.2	360.4	142.7	76.2	111.3	355.6	12.7	63.5
16	647.7	482.6	469.9	57.2	387.4	410.5	411.2	411.2	146.1	82.6	120.7	406.4	12.7	68.3
18	711.2	533.4	533.4	60.5	438.2	461.8	462.3	462.0	158.8	88.9	130.0	457.2	12.7	69.9
20	774.7	587.2	584.2	63.5	489.0	513.1	514.4	512.8	162.1	95.3	139.7	508.0	12.7	73.2
24	914.4	701.5	692.2	69.9	590.6	616.0	616.0	614.4	168.1	106.4	152.4	609.6	12.7	82.6

Notes:

(1) For the 'Bore'(B1) other than Standard Wall Thickness, refer to page 83.

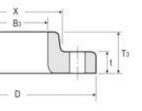
(2) Class 300 flanges except Lap Joint will be furnished with 0,06" (1,6mm) raised face, which is included in 'Thickness' (t) and

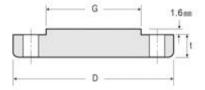
'Length through Hub' (T1), (T2),

(3) 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.



Tel:0311-87367207





LAP JOINT

BLIND

Unit:mm



www.jsfitting.com

Tel:0311-87367207

T₁

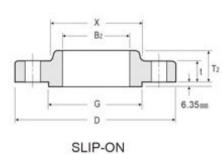
t.

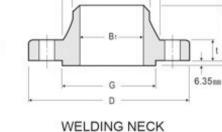
Fax:0311-68055612

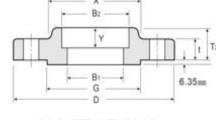
Add:Cangzhou City,Hebei Province,China

余感 JSFITTINGS

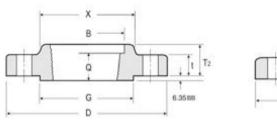
www.jsfitting.com







SOCKET WELDING



THREADED

CLASS 600 FLANGES

ANSI B16.5 FORGED FLANGES

			DRILLING	1		BOL	TING				APPROX	IMATE V	VEIGHT		
Nominal	Depth				Diam	Stu	d Bolt Leng	gth							12
Pipe Size	of Socket	Bolt Circle Diam	of Holes	Diam of Holes	of Bolts	0.25" Raised	Male- Female	Ring		Welding Neck		Slip-on and Threaded	Lap Joint	Blind	Socket
	Y	Diam	HUIUS	Holes	(inch)	Face	Tongue- Groove	Joint	SCH40	SCH80	SCH160	meducu			
1/2	9.7	66.5	4	15.7	1/2	76.2	69.9	76.2	1.36	1.36	1.36	0.91	0.91	0.91	0.91
3/4	11.2	82.6	4	19.1	5/8	88.9	82.6	88.9	1.59	1.63	1.67	1.4	1.4	1.4	1.36
1	12.7	88.9	4	19.1	5/8	88.9	82.6	88.9	1.82	1.87	1.94	1.7	1.7	1.81	1.81
1 1/4	14.2	98.6	4	19.1	5/8	95.3	88.9	95.3	2.50	2.59	2.66	2.27	2.27	2.4	2.6
1 1/2	15.7	114.3	4	22.4	3/4	108.0	101.6	108.0	3.63	3.74	3.88	3.1	3.1	3.4	3.18
2	17.5	127.0	8	19.1	5/8	108.0	101.6	108.0	4.54	4.69	4.98	3.71	3.85	4.4	3.9
2 1/2	19.1	149.4	8	22.4	3/4	120.7	114.3	120.7	6.36	6.66	7.00	5.44	5.44	6.8	5.9
3	20.6	168.1	8	22.4	3/4	127.0	120.7	127.0	8.17	8.58	9.04	7.26	7.26	8.9	7.4
3 1/2	22.4	184.2	8	25.4	7/8	139.7	133.4	139.7	12.00	12.44	13.28	9.53	9.53	13.17	
4	23.9	215.9	8	25.4	7/8	146.1	139.7	146.1	16.80	17.46	18.79	14.97	15.40	18.6	
5	23.9	266.7	8	28.4	1	165.1	158.8	165.1	30.90	32.27	34.30	28.5	29	30.84	
6	26.9	292.1	12	28.4	1	171.5	165.1	171.5	36.77	34.93	37.69	36.32	36.5	33.80	
8	31.8	349.3	12	31.8	1 1/8	190.5	184.2	196.9	50.90	53.98	60.16	44	50.8	62.2	
10	33.3	431.8	16	35.1	1 1/4	215.9	209.6	215.9	86.26	92.59	103.34	76.2	82	102	
12	39.6	489.0	20	35.1	1 1/4	222.3	215.9	222.3	102.60	112.36	128.19	97.52	108.86	132	
14	41.4	527.1	20	38.1	1 3/8	235.0	228.6	235.0	121.60	136.13	156.38	102	111.20	158	
16	44.5	603.3	20	41.1	1 1/2	254.0	247.7	254.0	177.10	198.70	226.80	149.82	165.71	224.13	
18	49.3	654.1	20	44.5	1 5/8	273.1	266.7	273.1	215.70	246.66	283.01	180.1	219.4	285	
20	54.1	723.9	24	44.5	1 5/8	285.8	279.4	292.1	268.00	310.23	356.13	231.54	258.8	365	
24	63.5	838.2	24	50.8	1 7/8	330.2	323.9	336.6	372.00	495.71	512.38	330	362	536.80	

(4) Blind Flanges may with the same hub as that used for Slip-on Flanges or without hub.

(5) 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 (t).
(6) Dimensions of sizes 1/2" through 31/2" are the same as for Class 400 Flanges.
(7) Depth of Socket (Y) is covered by ANSI B16,5 only in sizes through 3 inch, over 3 inch is at the manufacture's option.

CLASS 600 FLANGES

ANSI B16.5 FORGED FLANGES

			HUB	TH THRU	LENG		RE	BOF						
Thread Length	Radius of Fillet	Diam. of Hub at Bevel	Lap Joint	Slip-on Threaded Socket Welding	Welding Neck	Counter Bore Min.	Lap Joint	Slip-on Socket Welding	Welding Neck Socket Welding	Thick- ness	O.D of Raised Face	Diam. at Base of Hub	Outside Diam.	Nominal Pipe Size
Q	R	A	T3	T2	T1	В	B3	B2	B1	t	G	Х	D	
15.7	3.0	21.3	22.4	22.4	52.3	23.6	22.9	22.4		14.2	35.1	38.1	95.3	1/2
15.7	3.0	26.7	25.4	25.4	57.2	29.0	28.2	27.7		15.7	42.9	47.8	117.3	3/4
17.5	3.0	33.5	26.9	26.9	62.0	35.8	35.1	34.5		17.5	50.8	53.8	124	1
20.6	4.8	42.2	28.4	28.4	66.5	44.5	43.7	43.2		20.6	63.5	63.5	133.4	1 1/4
22.4	6.4	48.3	31.8	31.8	69.9	50.5	50.0	49.5		22.4	73.2	69.9	155.4	1 1/2
28.4	7.9	60.5	36.6	36.6	73.2	63.5	62.5	62.0	ser	25.4	91.9	84.1	165.1	2
31.8	7.9	73.2	41.1	41.1	79.2	76.2	75.4	74.7	cha	28.4	104.6	100.1	190.5	2 1/2
35.1	9.7	88.9	46.0	46.0	82.6	92.2	91.4	90.7	See Note(1) specified by purchaser	31.8	127.0	117.3	209.6	3
39.6	9.7	101.6	49.3	49.3	85.9	104.9	104.1	103.4		35.1	139.7	133.4	228.6	3 1/2
41.1	11.2	114.3	53.8	53.8	101.6	117.6	116.8	116.1	No	38.1	157.2	152.4	273.1	4
47.8	11.2	141.2	60.5	60.5	114.3	144.5	144.5	143.8	See	44.5	185.7	189.0	330.2	5
50.8	12.7	168.4	66.5	66.5	117.3	171.5	171.5	170.7	sb	47.8	215.9	222.3	355.6	6
57.2	12.7	219.2	76.2	76.2	133.4	222.3	222.3	221.5	To be	55.6	269.7	273.1	419.1	8
65.0	12.7	273.1	111.3	85.9	152.4	276.4	277.4	276.4	10	63.5	323.9	342.9	508	10
69.9	12.7	323.9	117.3	91.9	155.4	328.7	328.2	327.2		66.5	381.0	400.1	558.8	12
73.2	12.7	355.6	127.0	93.7	165.1	360.4	360.2	359.2	-	69.9	412.8	431.8	603.3	14
77.7	12.7	406.4	139.7	106.4	177.8	411.2	411.2	410.5		76.2	469.9	495.3	685.8	16
79.2	12.7	457.2	152.4	117.3	184.2	462.0	462.3	461.8		82.6	533.4	546.1	743	18
82.6	12.7	508.0	165.1	127.0	190.5	512.8	514.4	513.1		88.9	584.2	609.6	812.8	20
91.9	12.7	609.6	184.2	139.7	203.2	614.4	616.0	616.0		101.6	692.2	717.6	939.8	24

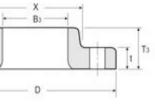
Notes:

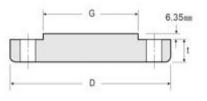
(1) For the inside diameter of pipes (corresponding to 'Bore' (Bt) of Welding Neck Flanges), refer to page 83.
 (2) Class 600 flanges except Lap Joint will be furnished with 0.25' (6.35mm) raised face, which is included in 'Thickness' (t) and 'Length through Hub' (Tt), (T2).
 (3) For Slip-on, Threaded and Lap joint Flanges, the hubs can be shaped either vertical from base to top or tapered within the limits of 7 degrees.



Tel:0311-87367207

I Initimm





LAP JOINT

BLIND

www.jsfitting.com

Tel:0311-87367207

6.35mm

G

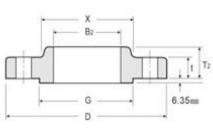
D

WELDING NECK

Fax:0311-68055612

Add:Cangzhou City,Hebei Province,China

www.jsfitting.com



SLIP-ON

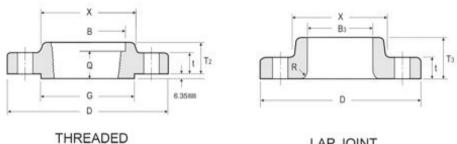
CLASS 900 FLANGES

ANSI B16.5 FORGED FLANGES

		1				BC	RE		LEN	GTH THRU	HUB	
Nominal Pipe Size	Outside Diam.	Diam. at Base of Hub	O.D of Raised Face	Thick- ness	Welding Neck	Slip-on	Lap Joint	Counter Bore Min.	Welding Neck	Slip-on Threaded Socket Welding	Lap Joint	Diam. o Hub at Bevel
	D	Х	G	t	B1	B2	B3	В	T1	T2	T3	A
1/2	120.7	38.1	35.1	22.4		22.4	22.9	23.6	60.5	31.8	31.8	21.3
3/4	130	44.5	42.9	25.4		27.7	28.2	29.0	69.9	35.1	35.1	26.7
1	149.4	52.3	50.8	28.4		34.5	35.1	35.8	73.2	41.1	41.1	33.5
1 1/4	158.8	63.5	63.5	28.4	1	43.2	43.7	44.5	73.2	41.1	41.1	42.2
1 1/2	177.8	69.9	73.2	31.8		49.5	50.0	50.5	82.6	44.5	44.5	48.3
2	215.9	104.6	91.9	38.1	ser	62.0	62.5	63.5	101.6	57.2	57.2	60.5
2 1/2	244.3	124.0	104.6	41.1	LCP.	74.7	75.4	76.2	104.6	63.5	63.5	73.2
3	241.3	127.0	127.0	38.1	(E) nd	90.7	91.4	92.2	101.6	53.8	53.8	88.9
4	292.1	158.8	157.2	44.5	d by	116.1	116.8	117.6	114.3	69.9	69.9	114.3
5	349.3	190.5	185.7	50.8	See Note(1) ecified by pu	143.8	144.5	144.5	127.0	79.2	79.2	141.2
6	381	235.0	215.9	55.6	Se	170.7	171.5	171.5	139.7	85.9	85.9	168.4
8	469.9	298.5	269.7	63.5	S e S	221.5	222.3	222.3	162.1	101.6	114.3	219.2
10	546.1	368.3	323.9	69.9	See Note(1) To be specified by purchaser	276.4	277.4	276.4	184.2	108.0	127.0	273.1
12	609.6	419.1	381.0	79.2		327.2	328.2	328.7	200.2	117.3	142.7	323.9
14	641.4	450.9	412.8	85.9		359.2	360.4	360.4	212.9	130	155.4	355.6
16	704.9	508.0	469.9	88.9	1	410.5	411.2	411.2	215.9	133.4	165.1	406.4
18	787.4	565.2	533.4	101.6		461.8	462.3	462.0	228.6	152.4	190.5	457.2
20	857.3	622.3	584.2	108.0		513.1	514.4	512.8	247.7	158.8	209.6	508.0
24	1041.4	749.3	692.2	139.7		616.0	616.0	614.4	292.1	203.2	266.7	609.6

Notes:

For the inside diameter of pipes (corresponding to 'Bore' (B1) of Welding Neck Flanges), refer to page 83.
 Class 900 flanges except Lap Joint will be furnished with 0.25' (6.35mm) raised face, which is included in 'Thickness' (t) and 'Length through Hub' (T1), (T2).
 For Slip-on, Threaded, and Lap Joint Flanges, the hubs can be shaped either vertical from base to top or tapered within the limits of 7 degrees.



CLASS 900 FLANGES

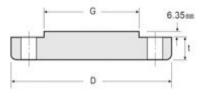
ANSI B16.5 FORGED FLANGES

				DRILLING	l .		BOL	TING				APPROX	IMATE W	/EIGHT	
Nominal	Radius	Thread				Diam	Stu	d Bolt Leng	gth			s			
Pipe Size	fillet	Length	Bolt Circle Diam	of Holes	Diam of Holes	of Bolts	0.25" Raised	Male- Female Tongue-	Ring Joint		Welding Neck		Slip-on and Threaded	Lap Joint	Blind
	R	Q	Diam	110105	110403	(inch)	Face	Groove	JOIN	SCH40	SCH80	SCH160			
1/2	3.0	22.4	82.6	4	22.4	3/4	108.0	101.6	108.0	3.10	3.10	3.10	1.81	1.8	1.9
3/4	3.0	25.4	88.9	4	22.4	3/4	114.3	108.0	114.3	3.18	3.18	3.18	2.4	2.4	2.7
1	3.0	28.4	101.6	4	25.4	7/8	127.0	120.7	127.0	3.86	3.92	4.00	3.50	3.60	4.09
1 1/4	4.8	30.2	111.3	4	25.4	7/8	127.0	120.7	127.0	4.54	4.64	4.71	4.1	4.1	4.54
1 1/2	6.4	31.8	124.0	4	28.4	1	139.7	133.4	139.7	6.36	6.49	6.65	5.52	5.55	5.93
2	7.9	38.1	165.1	8	25.4	7/8	146.1	139.7	146.1	10.90	11.10	11.50	9.98	9.98	11.34
2 1/2	7.9	47.8	190.5	8	28.4	1	158.8	152.4	158.8	16.30	16.69	17.14	15.8	15.8	16.00
3	9.7	41.1	190.5	8	25.4	7/8	146.1	139.7	146.1	15.00	15.50	16.10	11.8	11.8	13.17
4	11.2	47.8	235.0	8	31.8	1 1/8	171.5	165.1	171.5	23.20	23.94	25.43	23.2	23.2	24.5
5	11.2	53.8	279.4	8	35.1	1 1/4	190.5	184.2	190.5	39.10	40.62	42.86	37.65	36.74	39.46
6	12.7	57.2	317.5	12	31.8	1 1/8	190.5	184.2	196.9	49.90	52.06	55.33	48.3	49	51.5
8	12.7	63.5	393.7	12	38.1	1 3/8	222.3	215.9	222.3	84.90	88.61	96.09	75	86	89
10	12.7	71.4	469.9	16	38.1	1 3/8	235.0	228.6	235.0	121.70	129.87	142.79	111.3	125.64	131.54
12	12.7	76.2	533.4	20	38.1	1 3/8	254.0	247.7	254.0	157.00	169.48	189.74	146	167.00	187
14	12.7	82.6	558.8	20	41.1	1 1/2	273.1	266.7	292.1	181.00	199.62	225.55	172.36	180.07	224.07
16	12.7	85.9	616.0	20	44.5	1 5/8	285.8	279.4	298.5	225.00	251.11	285.08	192.95	211.10	272.4
18	12.7	88.9	685.8	20	50.8	1 7/8	323.9	317.5	333.6	309.00	347.24	392.13	272.4	295.10	385.9
20	12.7	91.9	749.3	20	53.8	2	349.3	342.9	362.0	377.00	431.59	490.91	331.42	367.70	488
24	12.7	101.6	901.7	20	66.5	2 1/2	438.2	431.8	457.2	685.00	778.36	885.21	632	703.70	905

(4) Blind Flanges may be made with the same hub as that used for Slip-on Flanges or without hub. (5) The gasket surface and backside (bearing surface for botting) are made parallel within 1 degree. To accomplish parallelism, spot facing is carried out according to MSS SP-9, without reducing thickness (t).
 (6) Dimensions of sizes 1/2" through 21/2" are the same as for Class 1500 Flanges.



Tel:0311-87367207



LAP JOINT

BLIND

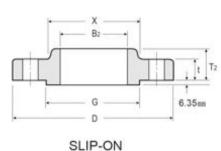
www.jsfitting.com

Tel:0311-87367207

Fax:0311-68055612

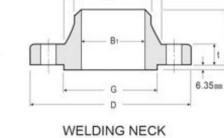
Add:Cangzhou City,Hebei Province,China

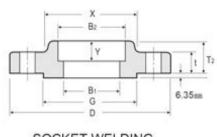
www.jsfitting.com



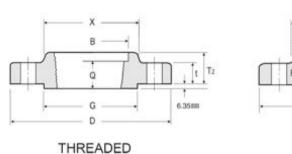
ANSI B16.5 FORGED FLANGES

CLASS 1500 FLANGES





SOCKET WELDING



CLASS 1500 FLANGES

ANSI B16.5 FORGED FLANGES

			HUB	TH THRU	LENG	_	RE	BO			0120421-0045			
Thread Length	Radius of Fillet	Diam. of Hub at Bevel	Lap Joint	Slip-on Threaded Socket Welding	Welding Neck	Counter Bore Min. Threaded Min.	Lap Joint	Slip-on Socket Welding	Welding Neck Socket Welding	Thick- ness	O.D of Raised Face	Diam. at Base of Hub	Outside Diam.	Nominal Pipe Size
Q	R	A	T3	T2	T1	В	B3	B2	B1	t	G	X	D	
22.4	3.0	21.3	31.8	31.8	60.5	23.6	22.9	22.4		22.4	35.1	38.1	120.7	1/2
25.4	3.0	26.7	35.1	35.1	69.9	29.0	28.2	27.7		25.4	42.9	44.5	130	3/4
28.4	3.0	33.5	41.4	41.1	73.2	35.8	35.1	34.5		28.4	50.8	52.3	149.4	1
30.2	4.8	42.2	41.1	41.1	73.2	44.5	43.7	43.2		28.4	63.5	63.5	158.8	1 1/4
31.8	6.4	48.3	44.5	44.5	82.6	50.5	50.0	49.5		31.8	73.2	69.9	177.8	1 1/2
38.1	7.9	60.5	57.2	57.2	101.6	63.5	62.5	62.0	asei	38.1	91.9	104.6	215.9	2
47.8	7.9	73.2	63.5	63.5	104.6	76.2	75.4	74.7	che	41.1	104.6	124.0	244.3	2 1/2
50.8	9.7	88.9	73.2	73.2	117.3	92.2	91.4	90.7	See Note(1) specified by purchaser	47.8	127.0	133.4	266.7	3
57.2	11.2	114.3	90.4	90.4	124.0	117.6	116.8	116.1	d by	53.8	157.2	162.1	311.2	4
63.5	11.2	141.2	104.6	104.6	155.4	144.5	144.5	143.8	e N	73.2	185.7	196.9	374.7	5
69.9	12.7	168.4	119.1	119.1	171.5	171.5	171.5	170.7	Sed	82.6	215.9	228.6	393.7	6
76.2	12.7	219.2	142.7	142.7	212.9	222.3	222.3	221.5	pe	91.9	269.7	292.1	482.6	8
84.1	12.7	273.1	177.8	158.8	254.0	276.4	277.4	276.4	To	108.0	323.9	368.3	584.2	10
91.9	12.7	323.9	218.9	180.8	282.4	328.7	328.2	327.2		124.0	381.0	450.9	673.1	12
	12.7	355.6	241.3	-	298.5	360.4	360.2	359.2		133.4	412.8	495.3	749.3	14
-	12.7	406.4	260.4	-	311.2	411.2	411.2	410.5		146.1	469.9	552.5	825.5	16
	12.7	457.2	276.4	. 	327.2	462.0	462.3	461.8		162.1	533.4	596.9	914.4	18
-	12.7	508.0	292.1	-	355.6	512.8	514.4	513.1		177.8	584.2	641.4	984.3	20
-	12.7	609.6	330.2	-	406.4	614.4	616.0	616.0		203.2	692.2	762.0	1168.4	24

Notes:

(1) For the inside diameter of pipes (corresponding to 'Bore' (Bt) of Welding Neck Flanges), refer to page 83.

(2) Class 1500 flanges except Lap Joint will be furnished with 0.25' (6,35mm) raised face, which is not included in 'Thickness' (t) and 'Length through Hub' (T1), (T2),

(3) For Slip-on, Threaded Lap Joint and Socket Welding Flanges, the hubs can be shaped either vertical from base to top or tapered within the limits 7 degrees,

	1		DRILLING			BOL	TING				APPROX	IMATE W	/EIGHT		
Nominal	Depth	1222	100 100	2233	Diam	Stu	d Bolt Len	gth		0.0					
Pipe Size	of Socket	Bolt Circle Diam	of Holes	Diam of Holes	of Bolts	0.25" Raised	Male- Female Tongue-	Ring Joint		Welding Neck		Slip-on and Threaded	Lap Joint	Blind	Socket Welding
	Y	Diam	noies	nules	(inch)	Face	Groove	Joint	SCH40	SCH80	SCH160	meauou			1
1/2	9.7	82.6	4	22.4	3/4	108.0	101.6	108.0	3.10	3.10	3.10	1.8	1.9	1.9	1.81
3/4	11.2	88.9	4	22.4	3/4	114.3	108.0	114.3	3.18	3.18	3.18	2.35	2.35	2.72	2.81
1	12.7	101.6	4	25.4	7/8	127.0	120.7	127.0	3.86	3.92	4.00	3.50	3.60	4.08	3.61
1 1/4	14.21	11.3	4	25.4	7/8	127.0	120.7	127.0	4.54	4.64	4.71	4.1	4.10	4.3	4.99
1 1/2	15.71	24.0	4	28.4	1	139.7	133.4	139.7	6.36	6.49	6.65	5.45	5.45	5.9	6.76
2	17.5	165.1	8	25.4	7/8	146.1	139.7	146.1	10.90	11.10	11.50	10.5	10.45	11.3	10.89
2 1/2	19.1	190.5	8	28.4	1	158.8	152.4	158.8	16.34	16.69	17.14	15.8	15.8	16	16.34
3	20.6	203.2	8	31.8	1 1/8	177.8	171.5	177.8	21.80	22.37	23.01	21.80	21.80	21.79	
4	23.9	241.3	8	35.1	1 1/4	196.9	190.5	196.9	31.30	32.10	33.71	33.10	34.10	33.11	
5	23.9	292.1	8	41.1	1 1/2	247.7	241.3	247.7	59.90	61.75	64.47	59.00	63.60	60	
6	26.9	317.5	12	38.1	1 3/8	260.4	254.0	266.7	74.19	77.13	81.12	74	77	75	
8	31.8	393.7	12	44.5	1 5/8	292.1	285.8	323.9	124.00	128.83	138.56	117.73	129.73	136.98	
10	33.3	482.6	12	50.8	1 7/8	336.6	330.2	342.9	206.00	217.16	234.82	197.50	220.19	229.97	
12	39.6	571.5	16	53.8	2	374.7	368.3	387.4	306	330.75	359.07	264	286.00	316.40	
14	41.4	635.0	16	60.5	2 1/4	406.4	400.1	425.5	416	431.88	467.94		404.10	421	
16	44.5	704.9	16	66.5	2 1/2	444.5	438.2	469.9	567	562.30	610.84		522.10	559	
18	49.3	774.7	16	73.2	2 3/4	495.3	489.0	527.1	736	741.28	790.00		670.00	761.60	-
20	54.1	831.9	16	79.2	3	539.8	533.4	565.2	929	892.00	980.00		806.00	967	1
24	63.5	990.6	16	91.9	3 1/2	616.0	609.6	647.7	1504	1430.00	1580.00		1285.5	1568	

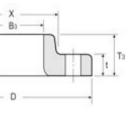
(4) Blind Flanges may be made with the same hub as that used for Slip-on Flanges or without hub.
(5) The gasket surface and backside (bearing surface for bolling) are made parallel within 1 degree. To accomplish parallelism, and facing is carried out according to MSS SP-9, without reducing thickness (I).
(6) Dimensions of sizes 1/2^e through 21/2^e are the same as for Class 900 Flanges.

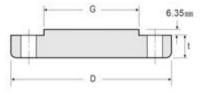
(7) Depth of Socket (Y) is covered by ANSI B16,5 only in sizes through 2t/2 inch, over 2t/2 inch is at the manufacturer's option.



Tel:0311-87367207

Fax:0311-68055612





LAP JOINT

BLIND

www.jsfitting.com

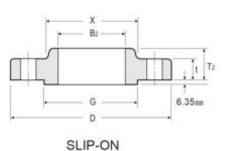
Tel:0311-87367207

Fax:0311-68055612

6.35mm

Add:Cangzhou City,Hebei Province,China

www.jsfitting.com





CLASS 2500 FLANGES

ANSI B16.5 FORGED FLANGES

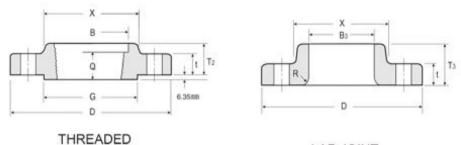
Nominal Pipe Size	Outside Diam. D	Diam. at Base of Hub X	O.D of Raised Face G	Thick- ness	BORE				LENGTH THRU HUB					
					Welding Neck Socket Welding B1	Slip-on Socket Welding B2	Lap Joint B3	Counter Bore Min. Threaded Min. B	Welding Neck T1	Slip-on Threaded Socket Welding T2	Lap Joint T3	Diam. of Hub at Bevel A	Radius of Fillet R	Thread Length Q
3/4	139.7	50.8	42.9	31.8	27.7	28.2	29.0	79.2	42.9	42.9	26.7	3.0	31.8	
1	158.8	57.2	50.8	35.1	34.5	35.1	35.8	88.9	47.8	47.8	33.5	3.0	35.1	
1 1/4	184.2	73.2	63.5	38.1	43.2	43.7	44.5	95.3	52.3	52.3	42.2	4.8	38.1	
1 1/2	203.2	79.2	73.2	44.5	49.5	50.0	50.5	111.3	60.5	60.5	48.3	6.4	44.5	
2	235	95.3	91.9	50.8	62.0	62.5	63.5	127.0	69.9	69.9	60.5	7.9	50.8	
2 1/2	266.7	114.3	104.6	57.2	d by	74.7	75.4	76.2	142.7	79.2	79.2	73.2	7.9	57.2
3	304.8	133.4	127.0	66.5	To be specified by purchaser	90.7	91.4	92.2	168.1	91.9	91.9	88.9	9.7	63.5
4	355.6	165.1	157.2	76.2		116.1	116.8	117.6	190.5	108.0	108.0	114.3	11.2	69.9
5	419.1	203.2	185.7	91.9		143.8	144.5	144.5	228.6	130.0	130.0	141.2	11.2	76.2
6	482.6	235.0	215.9	108.0		170.7	171.5	171.5	273.1	152.4	152.4	168.4	12.7	82.6
8	552.5	304.8	269.7	127.0		221.5	222.3	222.3	317.5	177.8	177.8	219.2	12.7	95.3
10	673.1	374.7	323.9	165.1		276.4	277.4	276.4	419.1	228.6	228.6	273.1	12.7	108.0
12	762	441.5	381.0	184.2		327.2	328.2	328.7	463.6	254.0	254.0	232.9	12.7	120.7

Notes:

(1) For the inside diameter of pipes (corresponding to 'Bore' (B1) of Welding Neck Flanges.), refer to page 83.

(2) Class 2500 flanges except Lap Joint will be furnished with 0.25" (6,35mm) raised face, which is included in Thickness (t) and 'Length through Hub' (T1), (T2),

(3) For Slip-on, Threaded and Lap Joint Flanges, the hubs can be shaped either vertical from base to top or tapered within the limits of 7 degrees,



CLASS 2500 FLANGES

ANSI B16.5 FORGED FLANGES

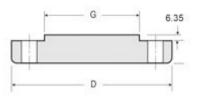
Nominal Pipe Size		DRILLING	3		BOL	TING		APPROXIMATE WEIGHT				
				Diam of Bolts (inch)	5	Stud Bolt Lengt	th	Welding Neck	Slip-on and Threaded	Lap Joint	Blind	
	Bolt Circle Diam	Number of Holes	Diam of Holes		0.25" Raised Face	Male- Female Tongue- Groove	Ring Joint					
1/2	88.9	4	22.4	3/4	120.7	114.3	120.7	3.63	3.20	3.20	3.11	
3/4	95.3	4	22.4	3/4	127.0	120.7	127.0	4.09	4.08	4.08	4.54	
1	108.0	4	25.4	7/8	139.7	133.4	139.7	5.90	5.44	5.44	5.44	
1 1/4	130.0	4	28.4	1	152.4	146.1	152.4	9.08	8.16	8.16	8.16	
1 1/2	146.1	4	31.8	1 1/8	171.5	165.1	171.5	12.70	11.00	11.00	10.44	
2	171.5	8	28.4	1	177.8	171.5	177.8	19.10	17.25	17.25	17.71	
2 1/2	196.9	8	31.8	1 1/8	196.9	190.5	203.2	23.60	25.00	25.00	25.42	
3	228.6	8	35.1	1 1/4	222.3	215.9	228.6	42.70	37.70	37.70	39.04	
4	273.1	8	41.1	1 1/2	254.0	247.7	260.4	66.30	58.00	58.00	60.38	
5	323.9	8	47.8	1 3/4	298.5	292.1	311.2	110.80	95.30	95.30	101.15	
6	368.3	8	53.8	2	342.9	336.6	355.6	176.46	146.51	147.00	156.63	
8	438.2	12	53.8	2	381.0	374.7	393.7	261.50	220.00	220.00	240.6	
10	539.8	12	66.5	2 1/2	489.0	482.6	508.0	484.50	421.00	421.00	465.36	
12	619.3	12	73.2	2 3/4	539.8	533.4	558.8	730.00	590.00	590.00	664.1	

(4) Blind Flanges may be made with the same hub as that used for Slip-on Flanges or without hub. (5) 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 (t),



Tel:0311-87367207



BLIND

LAP JOINT

(6) Class 2500 Slip-on Flanges are not covered by ANSI B16,5, slip-on flanges are at the manufacturer's option,