

832-736-1839
solutions@fieldindustries.com
www.fieldindustries.com
6620 Dixie Dr.
Houston, TX 77087

ANSI B16.5 CLASS 150 FLANGES

Nominal Size	Outside Diameter of Flange	No. of Holes	Diameter of Holes	Diameter of Bolts	Diameter of Bolt Circle	Diameter of Raised Face*	Height of Raised Face*	Diameter of Hub at Base**	Thickness of Flange***	Length Through Hub*** / ****	
ALL TYPES										SO,TH,SW, LJ	WN
1/2	3.50	4	0.62	1/2	2.38	1.38	0.0625	1.19	0.44	0.62	1.88
3/4	3.88	4	0.62	1/2	2.75	1.69	0.0625	1.5	0.50	0.62	2.06
1	4.25	4	0.62	1/2	3.12	2.0	0.0625	1.94	0.56	0.69	2.19
1 1/4	4.62	4	0.62	1/2	3.5	2.5	0.0625	2.31	0.62	0.81	2.25
1 1/2	5.00	4	0.62	1/2	3.88	2.88	0.0625	2.56	0.69	0.88	2.44
2	6.00	4	0.75	5/8	4.75	3.62	0.0625	3.06	0.75	1.00	2.50
2 1/2	7.00	4	0.75	5/8	5.5	4.12	0.0625	3.56	0.88	1.12	2.75
3	7.50	4	0.75	5/8	6	5	0.0625	4.25	0.94	1.19	2.75
3 1/2	8.50	8	0.75	5/8	7	5.5	0.0625	4.81	0.94	1.25	2.81
4	9.00	8	0.75	5/8	7.5	6.19	0.0625	5.31	0.94	1.31	3.00
5	10.00	8	0.88	3/4	8.5	7.31	0.0625	6.44	0.94	1.44	3.50
6	11.00	8	0.88	3/4	9.5	8.5	0.0625	7.56	1.00	1.56	3.50
8	13.50	8	0.88	3/4	11.75	10.62	0.0625	9.69	1.12	1.75	4.00
10	16.00	12	1	7/8	14.25	12.75	0.0625	12	1.19	1.94	4.00
12	19.00	12	1	7/8	17	15	0.0625	14.38	1.25	2.19	4.50
14	21.00	12	1.12	1	18.75	16.25	0.0625	15.75	1.38	2.25	5.00
16	23.50	16	1.12	1	21.25	18.5	0.0625	18	1.44	2.50	5.00
18	25.00	16	1.25	1 1/8	22.75	21	0.0625	19.88	1.56	2.69	5.50
20	27.50	20	1.25	1 1/8	25	23	0.0625	22	1.69	2.88	5.69
24	32.00	20	1.38	1 1/4	29.5	27.25	0.0625	26.12	1.88	3.25	6.00

Nominal Size	Bore Diameter*****			Diameter of Hub at Point of Welding	Bore Corner Radius	Thread length	Socket Depth	Weight			
	LJ	SO & SW	TH	WN	LJ	TH	SW	BLIND	LJ	SO, SW, TH	WN
1/2	.9	0.88		0.84	.12	.62	.38	2.00	1.00	1.00	2.00
3/4	1.11	1.09		1.05	.12	.62	.44	2.00	2.00	2.00	2.00
1	1.38	1.36		1.32	.12	.69	.5	2	2	2	3
1 1/4	1.72	1.70		1.66	.19	.81	0.56	3	3	3	3
1 1/2	1.97	1.95		1.9	.25	.88	0.62	3	3	3	4
2	2.46	2.44		2.38	.31	1	0.69	4	5	5	6
2 1/2	2.97	2.94		2.88	.31	1.12	0.75	7	8	8	8
3	3.6	3.57		3.5	.38	1.19	0.81	9	9	9	10
3 1/2	4.1	4.07		4	.38	1.25	0.88	13	11	11	12
4	4.6	4.57		4.5	.44	1.31	0.94	17	13	13	15
5	5.69	5.66		5.56	.44	1.44	0.94	20	15	15	19
6	6.75	6.72		6.63	.5	1.56	1.06	27	19	19	24
8	8.75	8.72		8.63	.5	1.75	1.25	47	30	30	39
10	10.92	10.88		10.75	.5	1.94	1.31	67	43	43	52
12	12.92	12.88		12.75	.5	2.19	1.56	123	64	64	80
14	14.19	14.14		14	.5	2.25	1.63	139	105	90	110
16	16.19	16.16		16	.5	2.5	1.75	187	140	106	140
18	18.2	18.18		18	.5	2.69	1.94	217	160	130	150
20	20.25	20.2		20	.5	2.88	2.13	283	195	165	180
24	24.25	24.25		24	.5	3.25	2.5	415	275	220	260

* LAP JOINT FLANGES ARE FLAT FACED
 ** BLIND FLANGES DO NOT HAVE A HUB
 *** INCLUDES 1/16" RF FOR 150# AND 300#, BUT NOT 1/4" RF FOR 400# AND UP
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ANSI B16.5 CLASS 300 FLANGES

Nominal Size	Outside Diameter of Flange	No. of Holes	Diameter of Holes	Diameter of Bolts	Diameter of Bolt Circle	Diameter of Raised Face*	Height of Raised Face*	Diameter of Hub at Base**	Thickness of Flange***	Length Through Hub*** / ****	
ALL TYPES										SO,TH,SW, LJ	WN
1/2	3.75	4	0.62	1/2	2.62	1.38	0.0625	1.5	0.56	0.88	2.06
3/4	4.62	4	0.75	5/8	3.25	1.69	0.0625	1.88	0.62	1.00	2.25
1	4.88	4	0.75	5/8	3.5	2	0.0625	2.12	0.69	1.06	2.44
1 1/4	5.25	4	0.75	5/8	3.88	2.5	0.0625	2.5	0.75	1.06	2.56
1 1/2	6.12	4	0.88	3/4	4.5	2.88	0.0625	2.75	0.81	1.19	2.69
2	6.50	8	0.75	5/8	5	3.62	0.0625	3.31	0.88	1.31	2.75
2 1/2	7.50	8	0.88	3/4	5.88	4.12	0.0625	3.94	1.00	1.50	3.00
3	8.25	8	0.88	3/4	6.62	5	0.0625	4.62	1.12	1.69	3.12
3 1/2	9.00	8	0.88	3/4	7.25	5.5	0.0625	5.25	1.19	1.75	3.19
4	10.00	8	0.88	3/4	7.88	6.19	0.0625	5.75	1.25	1.88	3.38
5	11.00	8	0.88	3/4	9.25	7.31	0.0625	7	1.38	2.00	3.88
6	12.50	12	0.88	3/4	10.62	8.5	0.0625	8.12	1.44	2.06	3.88
8	15.00	12	1	7/8	13	10.62	0.0625	10.25	1.62	2.44	4.38
10	17.50	16	1.12	1	15.25	12.75	0.0625	12.62	1.88	2.62	4.62
12	20.50	16	1.25	1 1/8	17.75	15	0.0625	14.75	2.00	2.88	5.12
14	23.00	20	1.25	1 1/8	20.25	16.25	0.0625	16.75	2.12	3.00	5.62
16	25.50	20	1.38	1 1/4	22.5	18.5	0.0625	19	2.25	3.25	5.75
18	28.00	24	1.38	1 1/4	24.75	21	0.0625	21	2.38	3.50	6.25
20	30.50	24	1.38	1 1/4	27	23	0.0625	23.12	2.50	3.75	6.38
24	36.00	24	1.62	1 1/2	32	27.25	0.0625	27.62	2.75	4.19	6.62

Nominal Size	Bore Diameter*****				Diameter of Hub at Point of Welding	Bore Corner Radius	Thread length	Socket Depth	Weight			
	LJ	SO & SW	TH	WN		LJ	TH	SW	BLIND	LJ	SO, SW, TH	WN
1/2	.9	0.88	.93	0.84	.12	.62	.38	2.00	2.00	1.50	2.00	2.00
3/4	1.11	1.09	1.14	1.05	.12	.62	.44	3.00	3.00	2.50	3.00	3.00
1	1.38	1.36	1.41	1.32	.12	.69	.5	4	3	3	4	4
1 1/4	1.72	1.7	1.75	1.66	.19	.81	0.56	6	5	5	5	5
1 1/2	1.97	1.95	1.99	1.9	.25	.88	0.62	7	7	7	7	7
2	2.46	2.44	2.5	2.38	.31	1	0.69	8	7	7	9	9
2 1/2	2.97	2.94	3	2.88	.31	1.12	0.75	12	10	10	12	12
3	3.6	3.57	3.63	3.5	.38	1.19	0.81	16	15	13	15	15
3 1/2	4.1	4.07	4.13	4	.38	1.25		21	17	16	18	18
4	4.6	4.57	4.63	4.5	.44	1.31		28	24	24	25	25
5	5.69	5.66	5.69	5.56	.44	1.44		37	28	29	32	32
6	6.75	6.72	6.75	6.63	.5	1.56		48	39	36	42	42
8	8.75	8.72	8.75	8.63	.5	1.75		79	58	56	67	67
10	10.92	10.88	10.88	10.75	.5	1.94		122	91	77	91	91
12	12.92	12.88	12.94	12.75	.5	2.19		183	140	113	140	140
14	14.19	14.14	14.19	14	.5	2.25		241	190	159	180	180
16	16.19	16.16	16.19	16	.5	2.5		315	234	210	250	250
18	18.2	18.18	18.19	18	.5	2.69		414	305	253	320	320
20	20.25	20.2	20.19	20	.5	2.88		515	375	307	400	400
24	24.25	24.25	24.19	24	.5	3.25		800	550	490	580	580

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ANSI B16.5 CLASS 400 FLANGES

Nominal Size	Outside Diameter of Flange	No. of Holes	Diameter of Holes	Diameter of Bolts	Diameter of Bolt Circle	Diameter of Raised Face*	Height of Raised Face*	Diameter of Hub at Base**	Thickness of Flange***	Length Through Hub*** / ****	
ALL TYPES										SO,TH,SW, LJ	WN
1/2	3.75	4	0.62	1/2	2.62	1.38	0.25	1.5	0.56	0.88	2.06
3/4	4.62	4	0.75	5/8	3.25	1.69	0.25	1.88	0.62	1.00	2.25
1	4.88	4	0.75	5/8	3.5	2	0.25	2.12	0.69	1.06	2.44
1 1/4	5.25	4	0.75	5/8	3.88	2.5	0.25	2.5	0.81	1.12	2.62
1 1/2	6.12	4	0.88	3/4	4.5	2.88	0.25	2.75	0.88	1.25	2.75
2	6.50	8	0.75	5/8	5	3.62	0.25	3.31	1.00	1.44	2.88
2 1/2	7.50	8	0.88	3/4	5.88	4.12	0.25	3.94	1.12	1.62	3.12
3	8.25	8	0.88	3/4	6.62	5	0.25	4.62	1.25	1.81	3.25
3 1/2	9.00	8	1	7/8	7.25	5.5	0.25	5.25	1.38	1.94	3.38
4	10.00	8	1	7/8	7.88	6.19	0.25	5.75	1.38	2.00	3.50
5	11.00	8	1	7/8	9.25	7.31	0.25	7	1.50	2.12	4.00
6	12.50	12	1	7/8	10.62	8.5	0.25	8.12	1.62	2.25	4.06
8	15.00	12	1.12	1	13	10.62	0.25	10.25	1.88	2.69	4.62
10	17.50	16	1.25	1 1/8	15.25	12.75	0.25	12.62	2.12	2.88	4.88
12	20.50	16	1.38	1 1/4	17.75	15	0.25	14.75	2.25	3.12	5.38
14	23.00	20	1.38	1 1/4	20.25	16.25	0.25	16.75	2.38	3.31	5.88
16	25.50	20	1.5	1 3/8	22.5	18.5	0.25	19	2.50	3.69	6.00
18	28.00	24	1.5	1 3/8	24.75	21	0.25	21	2.62	3.88	6.50
20	30.50	24	1.62	1 1/2	27	23	0.25	23.12	2.75	4.00	6.62
24	36.00	24	1.88	1 3/4	32	27.25	0.25	27.62	3.00	4.50	6.88

Nominal Size	Bore Diameter*****				Diameter of Hub at Point of Welding	Bore Corner Radius	Thread length	Socket Depth	Weight			
	LJ	SO & SW	TH	WN		LJ	TH	SW	BLIND	LJ	SO, SW, TH	WN
1/2	.9	0.88	.93	0.84	.12	.62	.38	2	2	2	2	2
3/4	1.11	1.09	1.14	1.05	.12	.62	.44	3	3	3	3	4
1	1.38	1.36	1.41	1.32	.12	.69	.5	4	4	4	4	4
1 1/4	1.72	1.7	1.75	1.66	.19	.81	0.56	6	5	5	6	6
1 1/2	1.97	1.95	1.99	1.9	.25	.88	0.62	8	7	7	8	8
2	2.46	2.44	2.5	2.38	.31	1.12	0.69	10	8	8	12	12
2 1/2	2.97	2.94	3	2.88	.31	1.25	0.75	15	11	12	18	18
3	3.6	3.57	3.63	3.5	.38	1.38	0.81	20	14	15	23	23
3 1/2	4.1	4.07	4.13	4	.38	1.56		29	20	21	26	26
4	4.6	4.57	4.63	4.5	.44	1.44		33	25	24	35	35
5	5.69	5.66	5.69	5.56	.44	1.69		44	29	31	43	43
6	6.75	6.72	6.75	6.63	.5	1.81		61	42	39	57	57
8	8.75	8.72	8.75	8.63	.5	2		100	64	63	89	89
10	10.92	10.88	10.88	10.75	.5	2.19		155	110	91	125	125
12	12.92	12.88	12.94	12.75	.5	2.38		226	152	129	175	175
14	14.19	14.14	14.19	14	.5	2.5		310	210	191	230	230
16	16.19	16.16	16.19	16	.5	2.69		398	280	253	295	295
18	18.2	18.18	18.19	18	.5	2.75		502	345	310	350	350
20	20.25	20.2	20.19	20	.5	2.88		621	420	378	425	425
24	24.25	24.25	24.19	24	.5	3.25		936	615	539	620	620

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ANSI B16.5 CLASS 600 FLANGES

Nominal Size	Outside Diameter of Flange	No. of Holes	Diameter of Holes	Diameter of Bolts	Diameter of Bolt Circle	Diameter of Raised Face*	Height of Raised Face*	Diameter of Hub at Base**	Thickness of Flange***	Length Through Hub*** / ****	
ALL TYPES										SO,TH,SW, LJ	WN
1/2	3.75	4	0.62	1/2	2.62	1.38	0.25	1.5	0.56	0.88	2.06
3/4	4.62	4	0.75	5/8	3.25	1.69	0.25	1.88	0.62	1.00	2.25
1	4.88	4	0.75	5/8	3.5	2	0.25	2.12	0.69	1.06	2.44
1 1/4	5.25	4	0.75	5/8	3.88	2.5	0.25	2.5	0.81	1.12	2.62
1 1/2	6.12	4	0.88	3/4	4.5	2.88	0.25	2.75	0.88	1.25	2.75
2	6.50	8	0.75	5/8	5	3.62	0.25	3.31	1.00	1.44	2.88
2 1/2	7.50	8	0.88	3/4	5.88	4.12	0.25	3.94	1.12	1.62	3.12
3	8.25	8	0.88	3/4	6.62	5	0.25	4.62	1.25	1.81	3.25
3 1/2	9.00	8	1	7/8	7.25	5.5	0.25	5.25	1.38	1.94	3.38
4	10.75	8	1	7/8	8.5	6.19	0.25	6	1.50	2.12	4.00
5	13.00	8	1.12	1	10.5	7.31	0.25	7.44	1.75	2.38	4.50
6	14.00	12	1.12	1	11.5	8.5	0.25	8.75	1.88	2.62	4.62
8	16.50	12	1.25	1 1/8	13.75	10.62	0.25	10.75	2.19	3.00	5.25
10	20.00	16	1.38	1 1/4	17	12.75	0.25	13.5	2.50	3.38	6.00
12	22.00	20	1.38	1 1/4	19.25	15	0.25	15.75	2.62	3.62	6.12
14	23.75	20	1.5	1 3/8	20.75	16.25	0.25	17	2.75	3.69	6.50
16	27.00	20	1.62	1 1/2	23.75	18.5	0.25	19.5	3.00	4.19	7.00
18	29.25	20	1.75	1 5/8	25.75	21	0.25	21.5	3.25	4.62	7.25
20	32.00	24	1.75	1 5/8	28.5	23	0.25	24	3.50	5.00	7.50
24	37.00	24	2	1 7/8	33	27.25	0.25	28.25	4.00	5.50	8.00

Nominal Size	Bore Diameter*****				Diameter of Hub at Point of Welding	Bore Corner Radius	Thread length	Socket Depth	Weight			
	LJ	SO & SW	TH	WN		LJ	TH	SW	BLIND	LJ	SO, SW, TH	WN
1/2	.9	0.88	.93	0.84	.12	.62	.38	.38	2	2	2	2
3/4	1.11	1.09	1.14	1.05	.12	.62	.44	.44	3	3	3	4
1	1.38	1.36	1.41	1.32	.12	.69	.5	.5	4	4	4	4
1 1/4	1.72	1.7	1.75	1.66	.19	.81	0.56	0.56	6	5	5	6
1 1/2	1.97	1.95	1.99	1.9	.25	.88	0.62	0.62	8	7	7	8
2	2.46	2.44	2.5	2.38	.31	1.12	0.69	0.69	10	9	8	12
2 1/2	2.97	2.94	3	2.88	.31	1.25	0.75	0.75	15	12	12	18
3	3.6	3.57	3.63	3.5	.38	1.38	0.81	0.81	20	15	15	23
3 1/2	4.1	4.07	4.13	4	.38	1.56			29	20	21	26
4	4.6	4.57	4.63	4.5	.44	1.62			41	36	33	42
5	5.69	5.66	5.69	5.56	.44	1.88			68	63	63	68
6	6.75	6.72	6.75	6.63	.5	2			86	78	80	81
8	8.75	8.72	8.75	8.63	.5	2.25			139	112	97	120
10	10.92	10.88	10.88	10.75	.5	2.56			231	195	177	190
12	12.92	12.88	12.94	12.75	.5	2.75			295	240	215	225
14	14.19	14.14	14.19	14	.5	2.88			378	290	259	280
16	16.19	16.16	16.19	16	.5	3.06			527	400	366	390
18	18.2	18.18	18.19	18	.5	3.12			665	469	476	475
20	20.25	20.2	20.19	20	.5	3.25			855	604	612	590
24	24.25	24.25	24.19	24	.5	3.62			1175	866	876	830

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ANSI B16.5 CLASS 900 FLANGES

Nominal Size	Outside Diameter of Flange	No. of Holes	Diameter of Holes	Diameter of Bolts	Diameter of Bolt Circle	Diameter of Raised Face*	Height of Raised Face*	Diameter of Hub at Base**	Thickness of Flange***	Length Through Hub*** / ****	
ALL TYPES										SO,TH,SW, LJ	WN
1/2	4.75	4	0.88	3/4	3.25	1.38	0.25	1.5	0.88	1.25	2.38
3/4	5.12	4	0.88	3/4	3.5	1.69	0.25	1.75	1.00	1.38	2.75
1	5.88	4	1	7/8	4	2	0.25	2.06	1.12	1.63	2.88
1 1/4	6.25	4	1	7/8	4.38	2.5	0.25	2.5	1.12	1.63	2.88
1 1/2	7.00	4	1.12	1	4.88	2.88	0.25	2.75	1.25	1.75	3.25
2	8.50	8	1	7/8	6.5	3.62	0.25	4.12	1.50	2.25	4.00
2 1/2	9.62	8	1.12	1	7.5	4.12	0.25	4.88	1.62	2.50	4.12
3	9.50	8	1	7/8	7.5	5	0.25	5	1.50	2.13	4.00
4	11.50	8	1.25	1 1/8	9.25	6.19	0.25	6.25	1.75	2.75	4.50
5	13.75	8	1.38	1 1/4	11	7.31	0.25	7.5	2.00	3.13	5.00
6	15.00	12	1.25	1 1/8	12.5	8.5	0.25	9.25	2.19	3.38	5.50
8	18.50	12	1.5	1 3/8	15.5	10.62	0.25	11.75	2.50	4.00	6.38
10	21.50	16	1.5	1 3/8	18.5	12.75	0.25	14.5	2.75	4.25	7.25
12	24.00	20	1.5	1 3/8	21	15	0.25	16.5	3.12	4.63	7.88
14	25.25	20	1.62	1 1/2	22	16.25	0.25	17.75	3.38	5.13	8.38
16	27.75	20	1.75	1 5/8	24.25	18.5	0.25	20	3.50	5.25	8.50
18	31.00	20	2	1 7/8	27	21	0.25	22.25	4.00	6.00	9.00
20	33.75	20	2.12	2	29.5	23	0.25	24.5	4.25	6.25	9.75
24	41.00	20	2.62	2 1/2	35.5	27.25	0.25	29.5	5.50	8.00	11.50

Nominal Size	Bore Diameter*****				Diameter of Hub at Point of Welding	Bore Corner Radius	Thread length	Socket Depth	Weight			
	LJ	SO & SW	TH	WN		LJ	TH	SW	BLIND	LJ	SO, SW, TH	WN
1/2	.9	0.88	.93	0.84		.12	.88		4	6	6	5
3/4	1.11	1.09	1.14	1.05		.12	1		6	6	6	6
1	1.38	1.36	1.41	1.32		.12	1.12		9	8	8	9
1 1/4	1.72	1.70	1.75	1.66		.19	1.19		10	10	10	10
1 1/2	1.97	1.95	1.99	1.9		.25	1.25		14	14	14	13
2	2.46	2.44	2.5	2.38		.31	1.5		25	21	22	25
2 1/2	2.97	2.94	3	2.88		.31	1.88		35	25	36	36
3	3.6	3.57	3.63	3.5		.38	1.62		32	29	31	31
4	4.6	4.57	4.63	4.5		.44	1.88		54	51	53	53
5	5.69	5.66	5.69	5.56		.44	2.12		87	81	83	86
6	6.75	6.72	6.75	6.63		.5	2.25		113	105	108	110
8	8.75	8.72	8.75	8.63		.5	2.5		197	190	172	175
10	10.92	10.88	10.88	10.75		.5	2.81		290	277	245	260
12	12.92	12.88	12.94	12.75		.5	3		413	371	326	325
14	14.19	14.14	14.19	14		.5	3.25		494	415	380	400
16	16.19	16.16	16.19	16		.5	3.38		619	488	459	495
18	18.2	18.18	18.19	18		.5	3.5		880	670	647	680
20	20.25	20.2	20.19	20		.5	3.62		1107	868	792	830
24	24.25	24.25	24.19	24		.5	4		2099	1659	1480	1500

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832-736-1839
solutions@fieldindustries.com
www.fieldindustries.com
6620 Dixie Dr.
Houston, TX 77087

ANSI B16.5 CLASS 1500 FLANGES

Nominal Size	Outside Diameter of Flange	No. of Holes	Diameter of Holes	Diameter of Bolts	Diameter of Bolt Circle	Diameter of Raised Face*	Height of Raised Face*	Diameter of Hub at Base**	Thickness of Flange***	Length Through Hub*** / ****	
ALL TYPES										SO,TH,SW, LJ	WN
1/2	4.75	4	0.88	3/4	3.25	1.38	0.25	1.5	0.88	1.25	2.38
3/4	5.12	4	0.88	3/4	3.5	1.69	0.25	1.75	1.00	1.38	2.75
1	5.88	4	1	7/8	4	2	0.25	2.06	1.12	1.63	2.88
1 1/4	6.25	4	1	7/8	4.38	2.5	0.25	2.5	1.12	1.63	2.88
1 1/2	7.00	4	1.12	1	4.88	2.88	0.25	2.75	1.25	1.75	3.25
2	8.50	8	1	7/8	6.5	3.62	0.25	4.12	1.50	2.25	4.00
2 1/2	9.62	8	1.12	1	7.5	4.12	0.25	4.88	1.62	2.50	4.12
3	10.50	8	1.25	1 1/8	8	5	0.25	5.25	1.88	2.88	4.62
4	12.25	8	1.38	1 1/4	9.5	6.19	0.25	6.38	2.12	3.56	4.88
5	14.75	8	1.62	1 1/2	11.5	7.31	0.25	7.75	2.88	4.13	6.12
6	15.50	12	1.5	1 3/8	12.5	8.5	0.25	9	3.25	4.69	6.75
8	19.00	12	1.75	1 5/8	15.50	10.62	0.25	11.5	3.62	5.63	8.38
10	23.00	12	2	1 7/8	19	12.75	0.25	14.5	4.25	7.00	10.00
12	26.50	16	2.12	2	22.5	15	0.25	17.75	4.88	8.63	11.12
14	29.50	16	2.38	2 1/4	25	16.25	0.25	19.5	5.25	9.50	11.75
16	32.50	16	2.62	2 1/2	27.75	18.5	0.25	21.75	5.75	10.25	12.25
18	36.00	16	2.88	2 3/4	30.5	21	0.25	23.5	6.38	10.88	12.88
20	38.75	16	3.12	3	32.75	23	0.25	25.25	7.00	11.50	14.00
24	46.00	16	3.62	3 1/2	39	27.25	0.25	30	8.00	13.00	16.00

Nominal Size	Bore Diameter*****			Diameter of Hub at Point of Welding	Bore Corner Radius	Thread length	Socket Depth	Weight			
	LJ	SO & SW	TH	WN	LJ	TH	SW	BLIND	LJ	SO, SW, TH	WN
1/2	.9	0.88	.93	0.84	.12	.88	.38	4	6	6	5
3/4	1.11	1.09	1.14	1.05	.12	1	.44	6	6	6	6
1	1.38	1.36	1.41	1.32	.12	1.12	.5	9	8	8	9
1 1/4	1.72	1.70	1.75	1.66	.19	1.19	0.56	10	10	10	10
1 1/2	1.97	1.95	1.99	1.9	.25	1.25	0.62	14	14	14	13
2	2.46	2.44	2.5	2.38	.31	1.5	0.69	25	25	22	25
2 1/2	2.97	2.94	3	2.88	.31	1.88	0.75	35	35	36	36
3	3.6	3.57		3.5	.38			48	47	48	48
4	4.6	4.57		4.5	.44			73	75	73	73
5	5.69	5.66		5.56	.44			142	140	132	130
6	6.75	6.72		6.63	.5			159	170	164	165
8	8.75	8.72		8.63	.5			302	286	258	275
10	10.92	10.88		10.75	.5			507	485	436	455
12	12.92	12.88		12.75	.5			775	749	667	690
14	14.19			14	.5			975	890		940
16	16.19			16	.5			1300	1250		1250
18	18.2			18	.5			1750	1475		1625
20	20.25			20	.5			2225	1775		2050
24	24.25			24	.5			3625	2825		3325

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6620 Dixie Dr.
Houston, TX 77087

ANSI B16.5 CLASS 2500 FLANGES

Nominal Size	Outside Diameter of Flange	No. of Holes	Diameter of Holes	Diameter of Bolts	Diameter of Bolt Circle	Diameter of Raised Face*	Height of Raised Face*	Diameter of Hub at Base**	Thickness of Flange***	Length Through Hub*** / ****	
ALL TYPES										SO,TH,SW, LJ	WN
1/2	5.25	4	0.88	3/4	3.5	1.38	0.25	1.69	1.19	1.56	2.88
3/4	5.50	4	0.88	3/4	3.75	1.69	0.25	2	1.25	1.69	3.12
1	6.25	4	1	7/8	4.25	2	0.25	2.25	1.38	1.88	3.50
1 1/4	7.25	4	1.12	1	5.12	2.5	0.25	2.88	1.50	2.06	3.75
1 1/2	8.00	4	1.25	1 1/8	5.75	2.88	0.25	3.12	1.75	2.38	4.38
2	9.25	8	1.12	1	6.75	3.62	0.25	3.75	2.00	2.75	5.00
2 1/2	10.50	8	1.25	1 1/8	7.75	4.12	0.25	4.5	2.25	3.13	5.62
3	12.00	8	1.38	1 1/4	9	5	0.25	5.25	2.62	3.63	6.62
4	14.00	8	1.62	1 1/2	10.75	6.19	0.25	6.5	3.00	4.25	7.50
5	16.50	8	1.88	1 3/4	12.75	7.31	0.25	8	3.62	5.13	9.00
6	19.00	8	2.12	2	14.5	8.5	0.25	9.25	4.25	6.00	10.75
8	21.75	12	2.12	2	17.25	10.62	0.25	12	5.00	7.00	12.50
10	26.50	12	2.62	2 1/2	21.25	12.75	0.25	14.75	6.50	9.00	16.50
12	30.00	12	2.88	2 3/4	24.38	15	0.25	17.38	7.25	10.00	18.25

Nominal Size	Bore Diameter*****				Diameter of Hub at Point of Welding	Bore Corner Radius	Thread length	Socket Depth	Weight			
	LJ	SO & SW	TH	WN		LJ	TH	SW	BLIND	LJ	SO, SW, TH	WN
1/2	.9	0.88	.93	0.84	.12	.12	1.12		8	7	7	7
3/4	1.11	1.09	1.14	1.05	.12	.12	1.25		9	8	9	8
1	1.38	1.36	1.41	1.32	.12	.12	1.38		13	12	12	12
1 1/4	1.72	1.70	1.75	1.66	.19	.19	1.5		20	17	18	17
1 1/2	1.97	1.95	1.99	1.9	.25	.25	1.75		28	24	25	25
2	2.46	2.44	2.5	2.38	.31	.31	2		42	37	38	42
2 1/2	2.97	2.94	3	2.88	.31	.31	2.25		52	53	55	52
3	3.6	3.57		3.5	.38	.38			94	80	83	94
4	4.6	4.57		4.5	.44	.44			146	122	127	145
5	5.69	5.66		5.56	.44	.44			244	204	210	245
6	6.75	6.72		6.63	.5	.5			378	314	323	380
8	8.75	8.72		8.63	.5	.5			576	471	485	580
10	10.92	10.88		10.75	.5	.5			1068	897	925	1075
12	12.92	12.88		12.75	.5	.5			1608	1262	1300	1525

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