

Flange Dimension Tables

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Please note that the following flange tables are provided as a guide only. Thicknesses quoted are based on slip-on plate flanges.

BS10 Table D

Nominal bore mm	Flange dia. mm	Thickness mm	Length and dia. of bolts mm	No. of holes	P.C.D. mm
15	95	5	M12x25	4	67
20	102	5	M12x25	4	73
25	114	5	M12x25	4	83
32	121	6	M12x30	4	87
40	133	6	M12x30	4	98
50	152	8	M16x40	4	114
65	165	8	M16x40	4	127
80	184	10	M16x45	4	146
100	216	10	M16x45	4	178
125	254	13	M16x50	8	210
150	279	13	M16x50	8	235
200	337	13	M16x50	8	292
250	406	16	M20x55	8	356
300	457	20	M20x65	12	406

BS10 Table E

Nominal bore mm	Flange dia. mm	Thickness mm	Length and dia. of bolts mm	No. of holes	P.C.D. mm
15	95	6	M12x30	4	67
20	102	6	M12x30	4	73
25	114	7	M12x30	4	83
32	121	8	M12x40	4	88
40	133	9	M12x40	4	98
50	152	10	M16x45	4	114
65	165	10	M16x45	4	127
80	184	11	M16x45	4	146
100	216	13	M16x50	8	178
125	254	14	M16x50	8	210
150	279	18	M20x65	8	235
200	337	19	M20x65	8	292
250	406	22	M20x70	12	356
300	457	25	M22x80	12	406

BS10 Table F

Nominal bore mm	Flange dia. mm	Thickness mm	Length and dia. of bolts mm	No. of holes	P.C.D. mm
15	95	10	M12x40	4	67
20	102	10	M12x40	4	73
25	121	10	M16x45	4	87
32	133	13	M16x45	4	98
40	140	13	M16x50	4	105
50	165	16	M16x55	4	127
65	184	16	M16x55	8	146
80	203	16	M16x55	8	165
100	229	19	M16x65	8	191
125	279	22	M20x70	8	235
150	305	22	M20x70	12	260
200	368	25	M20x75	12	324
250	432	29	M22x80	12	381
300	489	32	M22x90	16	438

BS10 Table H

Nominal bore mm	Flange dia. mm	Thickness mm	Length and dia. of bolts mm	No. of holes	P.C.D. mm
15	114	13	M16x50	4	83
20	114	13	M16x50	4	83
25	121	14	M16x50	4	87
32	133	17	M16x55	4	98
40	140	17.5	M16x55	4	105
50	165	19	M16x55	4	127
65	184	19	M16x65	8	146
80	203	22	M16x70	8	165
100	229	25	M16x75	8	191
125	279	29	M20x80	8	235
150	305	29	M20x80	12	260
200	368	32	M20x90	12	324
250	432	35	M22x100	12	381
300	489	41	M22x105	16	438

EN1092-1 PN6

Nominal bore mm	Flange dia. mm	Thickness mm	Length and dia. of bolts mm	No. of holes	P.C.D. mm
15	80	12	M10x40	4	55
20	90	14	M10x50	4	65
25	100	14	M10x50	4	75
32	120	16	M12x55	4	90
40	130	16	M12x55	4	100
50	140	16	M12x55	4	110
65	160	16	M12x55	4	130
80	190	18	M16x65	4	150
100	210	18	M16x65	4	170
125	240	20	M16x70	8	200
150	265	20	M16x70	8	225
200	320	22	M16x70	8	280
250	375	24	M16x70	12	335
300	440	24	M20x70	12	395

EN1092-1 PN10

Nominal bore mm	Flange dia. mm	Thickness mm	Length and dia. of bolts mm	No. of holes	P.C.D. mm
15	95	14	M12x50	4	65
20	105	16	M12x55	4	75
25	115	16	M12x55	4	85
32	140	18	M16x55	4	100
40	150	18	M16x55	4	110
50	165	20	M16x65	4	125
65	185	20	M16x65	4	145
80	200	20	M16x70	8	160
100	220	22	M16x70	8	180
125	250	22	M16x70	8	210
150	285	24	M20x70	8	240
200	340	24	M20x75	8	295
250	395	26	M20x80	12	350
300	445	26	M20x80	12	400

EN1092-1 PN16

Nominal bore mm	Flange dia. mm	Thickness mm	Length and dia. of bolts mm	No. of holes	P.C.D. mm
15	95	14	M12x50	4	65
20	105	16	M12x55	4	75
25	115	16	M12x55	4	85
32	140	18	M16x55	4	100
40	150	18	M16x55	4	110
50	165	20	M16x65	4	125
65	185	20	M16x65	4	145
80	200	20	M16x70	8	160
100	220	22	M16x70	8	180
125	250	22	M16x70	8	210
150	285	24	M20x70	8	240
200	340	26	M20x75	12	295
250	405	29	M24x80	12	355
300	460	32	M24x80	12	410

EN1092-1 PN25

Nominal bore mm	Flange dia. mm	Thickness mm	Length and dia. of bolts mm	No. of holes	P.C.D. mm
15	95	14	M12x55	4	65
20	105	16	M12x55	4	75
25	115	16	M12x65	4	85
32	140	18	M16x65	4	100
40	150	18	M16x70	4	110
50	165	20	M16x70	4	125
65	185	22	M16x70	4	145
80	200	24	M16x75	8	160
100	235	26	M20x80	8	190
125	270	28	M24x80	8	220
150	300	30	M24x90	8	250
200	360	32	M24x90	12	295
250	425	35	M27x90	12	355
300	485	38	M27x110	12	410

EN1092-1 PN40

Nominal bore mm	Flange dia. mm	Thickness mm	Length and dia. of bolts mm	No. of holes	P.C.D. mm
15	95	14	M12x55	4	65
20	105	16	M12x65	4	75
25	115	16	M12x65	4	85
32	140	18	M16x65	4	100
40	150	18	M16x70	4	110
50	165	20	M16x70	4	125
65	185	22	M16x70	4	145
80	200	24	M16x75	8	160
100	235	26	M20x80	8	190
125	270	28	M24x80	8	220
150	300	30	M24x90	8	250
200	375	36	M27x90	8	320
250	450	42	M30x120	12	385
300	515	52	M30x140	12	450

EN1092-1 PN64

Nominal bore mm	Flange dia. mm	Thickness mm	Length and dia. of bolts mm	No. of holes	P.C.D. mm
15	105	20	M12x70	4	75
20	130	22	M16x70	4	90
25	140	24	M16x75	4	100
32	155	24	M20x75	4	110
40	170	26	M20x80	4	125
50	180	26	M20x80	4	135
65	205	26	M20x80	8	160
80	215	30	M20x90	8	170
100	250	32	M24x90	8	200
125	295	34	M27x100	8	240
150	345	36	M30x105	8	280
200	415	48	M33x130	12	345
250	470	55	M33x150	12	400
300	530	65	M33x160	16	460

ANSI B16.5 - ASA 150LB

Nominal bore inches	Flange dia. mm	Thickness mm	Length and dia. of studs inches	No. of holes	P.C.D. mm
1/2	88.9	11.2	1/2 x 2 1/4	4	60.5
3/4	98.6	12.7	1/2 x 2 1/4	4	69.9
1	108	14.2	1/2 x 2 1/2	4	79.2
1 1/4	117.3	15.7	1/2 x 2 1/2	4	88.9
1 1/2	127	17.5	1/2 x 2 3/4	4	98.6
2	152.4	19.1	5/8 x 3	4	120.7
2 1/2	177.8	22.4	5/8 x 3 1/4	4	139.7
3	190.5	23.9	5/8 x 3 1/2	4	152.4
4	228.6	23.9	5/8 x 3 1/2	8	190.5
5	254	23.9	5/8 x 3 1/2	8	215.9
6	279.4	25.4	3/4 x 3 3/4	8	241.3
8	342.9	28.4	3/4 x 3 3/4	8	298.5
10	406.4	30.2	7/8 x 4 1/2	12	362
12	482.6	31.8	7/8 x 4 1/2	12	431.8

ANSI B16.5 - ASA 300LB

Nominal bore inches	Flange dia. mm	Thickness mm	Length and dia. of studs inches	No. of holes	P.C.D. mm
1/2	95.3	14.2	1/2 x 2 1/2	4	66.5
3/4	117.3	15.7	5/8 x 2 3/4	4	82.6
1	124	17.5	5/8 x 3	4	88.9
1 1/4	133.4	19.1	5/8 x 3	4	98.6
1 1/2	155.4	20.6	3/4 x 3 1/2	4	114.3
2	165.1	22.4	5/8 x 3 1/4	8	127
2 1/2	190.5	25.4	3/4 x 3 3/4	8	149.4
3	209.6	28.4	3/4 x 4	8	168.1
4	254	31.8	3/4 x 4 1/4	8	200.2
5	279.4	35.1	3/4 x 4 1/2	8	235
6	317.5	36.6	3/4 x 4 3/4	12	269.7
8	381	41.1	7/8 x 5 1/4	12	330.2
10	444.5	47.8	1 x 6	12	387.4
12	520.7	50.8	1 1/8 x 6 1/2	12	450.9

ANSI B16.5 - ASA 600LB

Nominal bore inches	Flange dia. mm	Thickness mm	Length and dia. of studs inches	No. of holes	P.C.D. mm
1/2	95.3	20.6	1/2 x 3	4	66.5
3/4	117.3	22.1	5/8 x 3 1/4	4	82.6
1	124	23.9	5/8 x 3 1/2	4	88.9
1 1/4	133.4	27	5/8 x 3 3/4	4	98.6
1 1/2	155.4	28.8	3/4 x 4	4	114.3
2	165.1	31.8	5/8 x 4	8	127
2 1/2	190.5	34.8	3/4 x 4 1/2	4	149.4
3	209.6	38.2	3/4 x 4 3/4	4	168.1
4	273.1	44.6	7/8 x 5 1/2	8	215.9
5	330.2	50.9	1 x 6 1/4	8	266.7
6	355.6	54.2	1 x 6 1/2	12	292.1
8	419.1	62	1 1/8 x 7 1/2	12	349.3
10	508	69.9	1 1/4 x 8 1/4	16	431.8
12	558.8	72.9	1 1/4 x 8 1/2	20	489

ANSI B16.5 - ASA 900LB

Nominal bore inches	Flange dia. mm	Thickness mm	Length and dia. of studs inches	No. of holes	P.C.D. mm
1/2					
3/4					
1					
1 1/4					
1 1/2					
2					
2 1/2					
3	241.3	44.5	7/8 x 5 1/2	8	190.5
4	292.1	50.8	1 1/8 x 6 1/2	8	235
5	349.3	57.2	1 1/4 x 7 1/4	8	279.4
6	381	62	1 1/8 x 7 1/2	12	317.5
8	469.9	69.9	1 3/8 x 8 1/2	12	393.7
10	546.1	76.3	1 3/8 x 9	16	469.9
12	609.6	85.6	1 3/8 x 9 3/4	20	533.4

ANSI B16.5 - ASA 1500LB

Nominal bore inches	Flange dia. mm	Thickness mm	Length and dia. of studs inches	No. of holes	P.C.D. mm
1/2	120.7	28.8	3/4 x 4	4	82.6
3/4	130	31.8	3/4 x 4 1/4	4	88.9
1	149.4	34.8	7/8 x 4 3/4	4	101.6
1 1/4	158.8	34.8	7/8 x 4 3/4	4	111.3
1 1/2	177.8	38.2	1 x 5 1/8	4	124
2	215.9	44.5	7/8 x 5 1/2	8	165.1
2 1/2	244.3	47.5	1 x 6	8	190.5
3	266.7	54.2	1 1/8 x 6 3/4	8	203.2
4	311.2	60.2	1 1/4 x 7 1/2	8	241.3
5	374.7	79.6	1 1/2 x 9 1/2	8	292.1
6	393.7	89	1 3/8 x 10	12	317.5
8	482.6	98.3	1 5/8 x 11 1/4	12	393.7
10	584.2	114.4	1 7/8 x 13	12	482.6
12	673.1	130.4	2 x 14 3/4	16	571.5