

STAINLESS STEEL AND NICKEL ALLOY FLANGES

WEIGHTS OF
STAINLESS STEEL
FLANGES IN KG



BS4504: Section 3.1: 1989

PN6

PN16

PN40

N B Size INS MM	SLIP ON	BLIND
1/2 15	0.45	0.5
3/4 20	0.65	0.7
1 25	0.85	0.9
1 1/4 32	1.2	1.4
1 1/2 40	1.4	1.7
2 50	1.5	1.9
2 1/2 65	1.95	2.5
3 80	3.1	4
4 100	3.3	4.8
5 125	4.5	7
6 150	5	8.5
8 200	6.5	13.5
10 250	10	22
12 300	16.6	30
14 350	20.4	38
16 400	21.3	50
18 450	25	65
20 500	27	75
24 600	37	111

N B Size INS MM	SLIP ON	BLIND
1/2 15	0.75	0.8
3/4 20	0.9	1
1 25	1.1	1.3
1 1/4 32	1.7	1.9
1 1/2 40	2	2.3
2 50	2.6	3
2 1/2 65	3.2	3.7
3 80	4.1	5.1
4 100	4.4	6
5 125	6	8.8
6 150	7.2	11.1
8 200	9.9	17
10 250	14.3	26.6
12 300	18	36.5
14 350	28	55.5
16 400	37.5	76.5
18 450	50	80
20 500	69.5	112.5
24 600	102	188.5

N B Size INS MM	SLIP ON	BLIND
1/2 15	0.75	0.8
3/4 20	0.9	1
1 25	1.2	1.3
1 1/4 32	1.9	2.1
1 1/2 40	2.2	2.5
2 50	3	3.4
2 1/2 65	3.8	4.5
3 80	4.9	6.2
4 100	6.5	8.7
5 125	9	12.4
6 150	13.2	19.5
8 200	20	30.5
10 250	31.5	51.5
12 300	46	77
14 350	70.5	113
16 400	98	160
18 450	105	190
20 500	135	250
24 600	210	405

BS1560: Section 3.1: 1989

(ASME ANSI B16.5 - 1988)

N B Size INS MM	Class 150 flanges			Class 300 flanges			Class 600 flanges		
	Slip on	Blind	Weld Neck	Slip on	Blind	Weld Neck	Slip on	Blind	Weld Neck
1/2 15	0.4	0.4	0.5	0.7	0.7	0.8	0.8	0.7	0.9
3/4 20	0.7	0.7	0.7	1.1	1.2	1.3	1.4	1.2	1.5
1 25	0.8	0.9	1.1	1.4	1.5	1.7	1.6	1.5	1.9
1 1/4 32	1.1	1.3	1.5	1.8	2	2.2	2.1	2	2.6
1 1/2 40	1.4	1.6	1.8	2.6	2.9	3.2	3.1	3.2	3.3
2 50	2.2	2.6	2.7	3.4	3.4	3.6	3.7	4.3	4.7
2 1/2 65	3.6	4.1	4.4	4.4	5.1	5.4	5.4	6	6.5
3 80	4.1	5	5.2	6.1	7	7.4	7.3	8	8.7
3 1/2 88	5.2	6.4	6.4	7.5	8.9	8.9	8.9	10.5	11.2
4 100	5.6	7.1	7.5	10.1	11.8	11.9	15.8	18	18.1
5 125	6.3	9	9.2	12.5	15.5	16	24.5	28.5	30.5
6 150	7.5	11.8	11	14.1	21.3	20.2	29.5	35.5	36.5
8 200	12.6	21	18.3	24.8	35.2	31	43	58	49.5
10 250	18.5	30	25	37.1	57	44.3	70	98	89
12 300	28	45	39	50	82	64	86	125	110
14 350	36	59	51	70	106	88	100	151	150
16 400	46	79	60	97	140	113	142	215	190
18 450	50	97	71	123	178	134	175	275	240
20 500	64	124	88	133	223	171	221	350	295
24 600	89	188	119	203	345	238	315	532	363

BS10: 1962

Table E

Table F

Table H

N B Size INS MM	SLIP ON	BLIND
1/2 15	0.33	0.35
3/4 20	0.37	0.4
1 25	0.55	0.6
1 1/4 32	0.61	0.7
1 1/2 40	0.81	0.94
2 50	1.11	1.33
2 1/2 65	1.4	1.7
3 80	1.72	2.26
3 1/2 88	2.18	2.94
4 100	2.6	3.6
5 125	3.8	5.6
6 150	5.3	8.3
8 200	5.7	13
10 250	10.4	22.5
12 300	16	32.5
14 350	26	48.4
16 400	32	64.5
18 450	42.5	88
20 500	55	116
24 600	90	199

N B Size INS MM	SLIP ON	BLIND
1/2 15	0.45	0.5
3/4 20	0.55	0.6
1 25	0.83	0.9
1 1/4 32	1.3	1.4
1 1/2 40	1.4	1.5
2 50	2.3	2.6
2 1/2 65	2.75	3.25
3 80	3.2	4
3 1/2 88	4.2	5.5
4 100	4.5	6
5 125	8	10.6
6 150	8.7	12.7
8 200	13.4	21
10 250	19.2	32
12 300	26	46
14 350	31.5	65
16 400	52	94
18 450	70	123
20 500	80	168
24 600	120	252

N B Size INS MM	SLIP ON	BLIND
1/2 15	0.98	1.01
3/4 20	0.95	1.01
1 25	1.15	1.25
1 1/4 32	1.7	1.9
1 1/2 40	2.25	2.05
2 50	2.8	3.2
2 1/2 65	3.4	4
3 80	4.5	5.6
3 1/2 88	5	6.5
4 100	6	8
5 125	10	13.5
6 150	11.2	16.2
8 200	16.5	26.3
10 250	24	40
12 300	34.5	60.5
14 350	51.5	89
16 400	67	123
18 450	89	168
20 500	114	221
24 600	164	340

N B Size INS MM	Class 900 flanges			Class 1500 flanges			Class 2500 flanges		
	Slip on	Blind	Weld Neck	Slip on	Blind	Weld Neck	Slip on	Blind	Weld Neck
1/2 15	1.7	1.8	1.9	1.7	1.8	1.9	-	3	3.6
3/4 20	2.3	2.4	2.5	2.3	2.4	2.6	-	4.5	4
1 25	3.5	3.6	3.7	3.5	3.6	3.8	-	5	6
1 1/4 32	4	4.1	4.5	4	4.1	4.4	-	8	9
1 1/2 40	5.5	5.8	6	5.5	5.8	6.1	-	11	13
2 50	9.9	10.1	11	9.8	10.1	11.1	-	17	19
2 1/2 65	13.6	14	15.5	13.7	14	15.5	-	25	24
3 80	11.9	13	14	18	19	20.4	-	39	43
4 100	19.7	22	23	27.8	30	30.5	-	60	66
5 125	32	36.5	37	52	58	58	-	101	111
6 150	41.1	47.5	49.5	61	72	70	-	156	172
8 200	71	82.5	84	104	122	119	-	242	261
10 250	100	123	123	175	210	204	-	465	485
12 300	133	174	163	264	315	303	-	665	730
14 350	152	206	186	368.5	522	400	-	-	-
16 400	184	259	224	477	620	510	-	-	-
18 450	258	367	300	640	820	-	-	-	-
20 500	317	463	373	792	1088	-	-	-	-
24 600	608	875	680	1260	1745	-	-	-	-



Imperial sizes			Metric sizes		
SIZE INS	WT PER FT	WT PER METRE	SIZE MM	WT PER FT	WT PER METRE
3 1/2	14.84	48.69	80	12.03	39.46
3 3/4	17.04	55.91	90	15.22	49.94
4	19.39	63.62	100	18.79	61.65
4 1/2	24.53	80.50	110	22.74	74.60
5	30.29	98.40	120	27.07	88.30
5 1/4	33.39	110	130	31.70	104
5 1/2	36.65	120	140	36.88	121
6	43.62	143	150	42.37	139
6 1/2	51.18	168	165	51	167
7	59.39	195	170	54.26	178
7 1/2	68.15	224	185	64	209
8	77.60	255	190	67.97	223
8 1/2	87.60	287	200	75.30	247
9	98.10	322	220	90.80	298
9 1/2	109	359	240	108	355
10	121	397	250	117	385
10 1/2	134	438	260	127	417
11	147	481	285	151	499
11 1/2	160	526	300	169	555
12	174	572	320	192	631
12 1/2	189	621	340	217	713
13	205	672	350	230	755
14	238	779	360	244	799
16	310	1018	380	271	890
16 1/2	330	1082	400	301	986
18	393	1288	500	469	1540
20	480	1576	520	502	1651
22	581	1910	580	626	2054

N B Size INS MM	SCHEDULES 5S		SCHEDULES 10S		SCHEDULES 40S		SCHEDULES 80S		
	Wall Thickness	Inside Diameter	Wall Thickness	Inside Diameter	Wall Thickness	Inside Diameter	Wall Thickness	Inside Diameter	
1/8	0.405	-	-	0.049	0.307	0.068	0.269	0.095	0.215
1/4	0.54	-	-	0.065	0.41	0.88	0.364	0.119	0.302
3/8	0.675	-	-	0.065	0.545	0.091	0.493	0.126	0.423
1/2	0.84	0.065	0.71	0.083	0.674	0.109	0.622	0.147	0.546
3/4	1.05	0.065	0.92	0.083	0.884	0.113	0.824	0.154	0.742
1	1.315	0.065	1.185	0.109	1.097	0.133	1.049	0.179	0.957
1 1/4	1.66	0.065	1.53	0.109	1.442	0.14	1.38	0.191	1.278
1 1/2	1.9	0.065	1.77	0.109	1.682	0.145	1.61	0.2	1.5
2	2.375	0.065	2.245	0.109	2.157	0.154	2.067	0.218	1.939
2 1/2	2.875	0.083	2.709	0.12	2.635	0.203	2.469	0.276	2.323
3	3.5	0.083	3.334	0.12	3.26	0.216	3.068	0.3	2.9
3 1/2	4	0.083	3.834	0.12	3.76	0.26	3.548	0.318	3.364
4	4.5	0.083	4.334	0.12	4.26	0.237	4.026	0.337	3.826
5	5.563	0.109	5.345	0.134	5.295	0.258	5.047	0.375	4.813
6	6.625	0.109	6.407	0.134	6.357	0.28	6.065	0.432	5.761
8	8.625	0.109	8.407	0.148	8.329	0.322	7.981	0.5	7.625
10	10.75	0.134	10.482	0.165	10.42	0.365	10.02	0.5	9.75
12	12.75	0.156	12.438	0.18	12.39	0.375	12	0.5	11.75
14	14	0.156	13.688	0.188	13.624	0.375 (1)	13.25	0.5 (2)	13
16	16	0.165	15.67	0.188	15.624	0.375 (1)	15.25	0.5 (2)	15
18	18	0.165	17.67	0.188	17.624	0.375 (1)	17.25	0.5 (2)	17
20	20	0.188	19.624	0.218	19.564	0.375 (1)	19.25	0.5 (2)	19
24	24	0.218	23.564	0.25	23.5	0.375 (1)	23.25	0.5 (2)	23

Note (1): Thickness agrees with that for Standard Weight Pipe (ANSI B36.10). Not included in ANSI B36.19
 Note (2): Thickness agrees with that for Extra Strong Pipe (ANSI B36.10). Not included in ANSI B36.19

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