

Cast Steel Flange Standard for PN 16

DN	PIPE THICKNESS	FLANGE			BOLTING		
		Outside Diameter	Thickness	Bolt Circle Diameter	Number of Bolts	Thread	Bolt Hole Diameter
10	6	90	16	60	4	M12	14
15	6	95	16	65	4	M12	14
20	6.5	105	18	75	4	M12	14
25	7	115	18	85	4	M12	14
32	7	140	18	100	4	M16	18
40	7.5	150	18	110	4	M16	18
50	8	165	20	125	4	M16	18
65	8	185	18	145	4	M16	18
80	8.5	200	20	160	8	M16	18
100	9.5	220	20	180	8	M16	18
125	10	250	22	210	8	M16	18
150	11	285	22	240	8	M20	22
175	12	315	24	270	8	M20	22
200	12	340	24	295	12	M20	22
250	14	405	26	355	12	M24	26
300	15	460	28	410	12	M24	26
350	16	520	30	470	16	M24	26
400	18	580	32	525	16	M27	30
500	21	715	36	650	20	M30	33
600	23	840	40	770	20	M33	36
700	24	910	42	840	24	M33	36
800	26	1025	42	950	24	M36	39
900	27	1125	44	1050	28	M36	39
1000	29	1255	46	1170	28	M39	42
1200	32	1485	52	1390	32	M45	48
1400	34	1685	58	1590	36	M45	48
1600	36	1930	64	1820	40	M52	56
1800	39	2130	68	2020	44	M52	56
2000	41	2345	70	2230	48	M56	62
2200	43	2555	74	2440	52	M56	62

All dimensions in mm.

Chapter 11. Pipe Data

Cast Steel Flange Standard for PN 25

DN	PIPE THICKNESS	FLANGE			BOLTING		
		Outside Diameter	Thickness	Bolt Circle Diameter	Number of Bolts	Thread	Bolt Hole Diameter
10	6	90	16	60	4	M12	14
15	6	95	16	65	4	M12	14
20	6.5	105	18	75	4	M12	14
25	7	115	18	85	4	M12	14
32	7	140	18	100	4	M16	18
40	7.5	150	18	110	4	M16	18
50	8	165	20	125	4	M16	18
65	8.5	185	22	145	8	M16	18
80	9	200	24	160	8	M16	18
100	10	235	24	190	8	M20	22
125	11	270	26	220	8	M24	26
150	12	300	28	250	8	M24	26
175	12	330	28	280	12	M24	26
200	12	360	30	310	12	M24	26
250	14	425	32	370	12	M27	30
300	15	485	34	430	16	M27	30
350	16	555	38	490	16	M30	33
400	18	620	40	550	16	M33	36
500	21	730	44	660	20	M33	36
600	23	845	46	770	20	M36	39
700	24	960	50	875	24	M39	42
800	26	1085	54	990	24	M45	48
900	27	1185	58	1090	28	M45	48
1000	29	1320	62	1210	28	M52	56
1200	32	1530	70	1420	32	M52	56
1400	34	1755	76	1640	36	M56	62
1600	37	1975	84	1860	40	M56	62
1800	40	2195	90	2070	44	M64	70
2000	43	2425	96	2300	48	M64	70

All dimensions in mm.

Cast Steel Flange Standard for PN 40

DN	PIPE THICKNESS	FLANGE			BOLTING		
		Outside Diameter	Thickness	Bolt Circle Diameter	Number of Bolts	Thread	Bolt Hole Diameter
10	6	90	16	60	4	M12	14
15	6	95	16	65	4	M12	14
20	6.5	105	18	75	4	M12	14
25	7	115	18	85	4	M12	14
32	7	140	18	100	4	M16	18
40	7.5	150	18	110	4	M16	18
50	8	165	20	125	4	M16	18
65	8.5	185	22	145	8	M16	18
80	9	200	24	160	8	M16	18
100	10	235	24	190	8	M20	22
125	11	270	26	220	8	M24	26
150	12	300	28	250	8	M24	26
175	13	350	32	295	12	M27	30
200	14	375	34	320	12	M27	30
250	16	450	38	385	12	M30	33
300	17	515	42	450	16	M30	33
350	19	580	46	510	16	M33	36
400	21	660	50	585	16	M36	39
450	21	685	50	610	20	M36	39
500	21	755	52	670	20	M39	42
600	24	890	60	795	20	M45	48
700	27	995	64	900	24	M45	48
800	30	1140	72	1030	24	M52	56
900	33	1250	76	1140	28	M52	56
1000	36	1360	80	1250	28	M52	56
1200	42	1575	88	1460	32	M56	62
1400	47	1795	98	1680	36	M56	62
1600	54	2025	108	1900	40	M64	70

All dimensions in mm.

Chapter 11. Pipe Data

Cast Steel Flange Standard for PN 63

DN	PIPE THICKNESS	FLANGE			BOLTING		
		Outside Diameter	Thickness	Bolt Circle Diameter	Number of Bolts	Thread	Bolt Hole Diameter
10	10	100	20	70	4	M12	14
15	10	105	20	75	4	M12	14
25	10	140	24	100	4	M16	18
32	12	155	24	110	4	M20	22
40	10	170	28	125	4	M20	22
50	10	180	26	135	4	M20	22
65	10	205	26	160	8	M20	22
80	11	215	28	170	8	M20	22
100	12	250	30	200	8	M24	26
125	13	295	34	240	8	M27	30
150	14	345	36	280	8	M30	33
175	15	375	40	310	12	M30	33
200	16	415	42	345	12	M33	36
250	19	470	46	400	12	M33	36
300	21	530	52	460	16	M33	36
350	23	600	56	525	16	M36	39
400	26	670	60	585	16	M39	42
500	31	800	68	705	20	M45	48
600	35	930	76	820	20	M52	56
700	40	1045	84	935	24	M52	56
800	45	1165	92	1050	24	M56	62
900	50	1285	98	1170	28	M56	62
1000	55	1415	108	1290	28	M64	70
1200	64	1665	126	1530	32	M72X6	78

All dimensions in mm.

Cast Steel Flange Standard for PN 100

DN	PIPE THICKNESS	FLANGE			BOLTING		
		Outside Diameter	Thickness	Bolt Circle Diameter	Number of Bolts	Thread	Bolt Hole Diameter
10	10	100	20	70	4	M12	14
15	10	105	20	75	4	M12	14
25	10	140	24	100	4	M16	18
32	12	155	24	110	4	M20	22
40	10	170	28	125	4	M20	22
50	10	195	30	145	4	M24	26
65	11	220	34	170	8	M24	26
80	12	230	36	180	8	M24	26
100	14	265	40	210	8	M27	30
125	16	315	40	250	8	M30	33
150	18	355	44	290	12	M30	33
175	20	385	48	320	12	M30	33
200	21	430	52	360	12	M33	36
250	25	505	60	430	12	M36	39
300	29	585	68	500	16	M39	42
350	32	655	74	560	16	M45	48
400	36	715	78	620	16	M45	48
500	44	870	94	760	20	M52	56
600	51	990	104	875	20	M56	62
700	59	1145	120	1020	24	M64	70

All dimensions in mm.

Cast Steel Flange Standard for PN 160

DN	PIPE THICKNESS	FLANGE			BOLTING		
		Outside Diameter	Thickness	Bolt Circle Diameter	Number of Bolts	Thread	Bolt Hole Diameter
10	10	100	20	70	4	M12	14
15	10	105	20	75	4	M12	14
25	10	140	24	100	4	M16	18
40	10	170	28	125	4	M20	22
50	10	195	30	145	4	M24	26
65	11	220	34	170	8	M24	26
80	12	230	36	180	8	M24	26
100	14	265	40	210	8	M27	30
125	16	315	44	250	8	M30	33
150	18	355	50	290	12	M30	33
175	19	390	54	320	12	M33	36
200	21	430	60	360	12	M33	36
250	31	515	68	430	12	M39	42
300	36	585	78	500	16	M39	42

All dimensions in mm.

Chapter 11. Pipe Data

Cast Steel Flange Standard for PN 250

DN	PIPE THICKNESS	FLANGE			BOLTING		
		Outside Diameter	Thickness	Bolt Circle Diameter	Number of Bolts	Thread	Bolt Hole Diameter
10	10	125	24	85	4	M16	18
15	10	130	26	90	4	M16	18
25	11	150	28	105	4	M20	22
40	13	185	34	135	4	M24	26
50	13	200	38	150	8	M24	26
65	14	230	42	180	8	M24	26
80	16	255	46	200	8	M27	30
100	19	300	54	235	8	M30	33
125	22	340	60	275	12	M30	33
150	25	390	68	320	12	M33	36
175	29	430	74	355	12	M36	39
200	32	485	82	400	12	M39	42
250	38	585	100	490	16	M45	48
300	47	690	120	590	16	M48	52

All dimensions in mm.

Cast Steel Flange Standard for PN 320

DN	PIPE THICKNESS	FLANGE			BOLTING		
		Outside Diameter	Thickness	Bolt Circle Diameter	Number of Bolts	Thread	Bolt Hole Diameter
10	11	125	24	85	4	M16	18
15	11	130	26	90	4	M16	18
25	11	160	34	115	4	M20	22
40	14	195	38	145	4	M24	26
50	15	210	42	160	8	M24	26
65	18	255	51	200	8	M27	30
80	19	275	55	220	8	M27	30
100	24	335	65	265	8	M33	36
125	27	380	75	310	12	M33	36
150	32	425	84	350	12	M36	39
175	35	485	95	400	12	M39	42
200	38	525	103	440	16	M39	42
250	49	640	125	540	16	M48	52

All dimensions in mm.

Cast Steel Flange Standard for PN 400

DN	PIPE THICKNESS	FLANGE			BOLTING		
		Outside Diameter	Thickness	Bolt Circle Diameter	Number of Bolts	Thread	Bolt Hole Diameter
10	11	125	28	85	4	M16	18
15	11	145	30	100	4	M20	22
25	12	180	38	130	4	M24	26
40	15	220	48	165	4	M27	30
50	18	235	52	180	8	M27	30
65	22	290	64	225	8	M30	33
80	25	305	68	240	8	M30	33
100	30	370	80	295	8	M36	39
125	36	415	92	340	12	M36	39
150	41	475	105	390	12	M39	42
175	47	545	120	450	12	M45	48
200	53	585	130	490	16	M45	48

All dimensions in mm.