

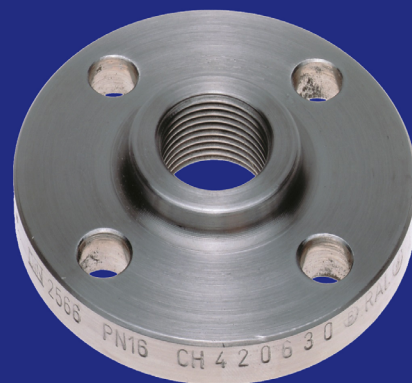
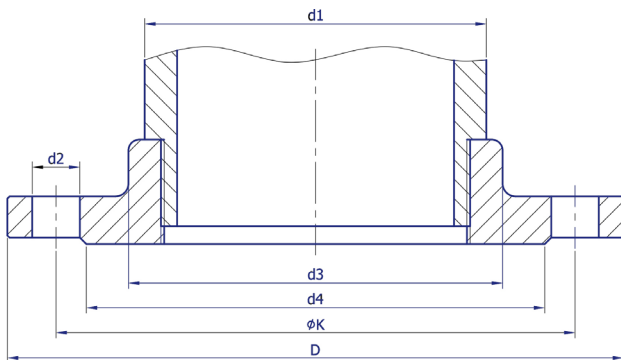
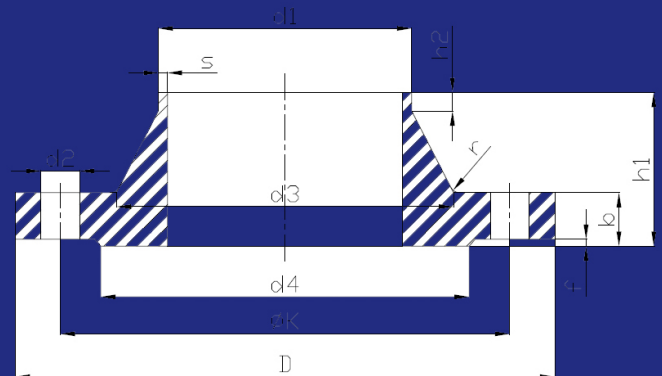
STAR FIT

Starfit Stainless Steel Flanges

DIN

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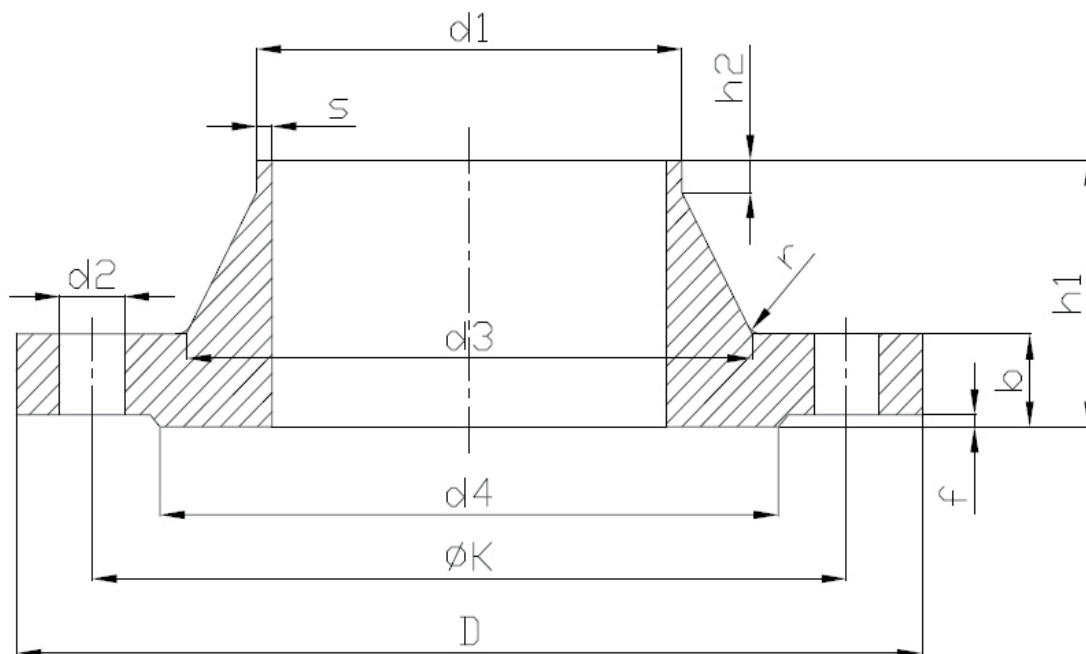
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Stainless Steel Flanges, DIN

2

Welding Neck Flange



Stainless Steel Flanges, DIN

Welding Neck Flange DIN 2631 PN 6

3

Pipe O.D.		Flange				Neck				Raised face		Screws		
DN	d1	D	b	k	h1	d3	s	r	h2	d4	f	Quantity	Thread	d2
10	14	75	12	50	28	22	1,8	4	6	35	2	4	M10	11
10	17,2	75	12	50	28	26	1,8	4	6	35	2	4	M11	12
15	20	80	12	55	30	28	2	4	6	40	2	4	M10	11
15	21,3	80	12	55	30	30	2	4	6	40	2	4	M10	11
20	25	90	14	65	32	35	2,3	4	6	50	2	4	M10	11
20	26,9	90	14	65	32	38	2,3	4	6	50	2	4	M10	11
25	30	100	14	75	35	40	2,6	4	6	60	2	4	M10	11
25	33,7	100	14	75	35	42	2,6	4	6	60	2	4	M10	11
32	38	120	14	90	35	50	2,6	6	6	70	2	4	M12	14
32	42,4	120	14	90	35	55	2,6	6	6	70	2	4	M12	14
40	44,5	130	14	100	38	58	2,6	6	7	80	3	4	M12	14
40	48,3	130	14	100	38	62	2,6	6	7	80	3	4	M12	14
50	57	140	14	110	38	70	2,9	6	8	90	3	4	M12	14
50	60,3	140	14	110	38	74	2,9	6	8	90	3	4	M12	14
65	76,1	160	14	130	38	88	2,9	6	9	110	3	4	M12	14
80	88,9	190	16	150	42	102	3,2	8	10	128	3	4	M16	18
100	108	210	16	170	45	122	3,6	8	10	148	3	4	M16	18
100	114,3	210	16	170	45	130	3,6	8	10	148	3	4	M16	18
125	133	240	18	200	48	148	4	8	10	178	3	8	M16	18
125	139,7	240	18	200	48	155	4	8	10	178	3	8	M16	18
150	159	265	18	225	48	172	4,5	10	12	202	3	8	M16	18
150	168,3	265	18	225	48	184	4,5	10	12	202	3	8	M16	18
200	219,1	320	20	280	55	236	5,9	10	15	258	3	8	M16	18
250	267	375	22	335	60	282	6,3	12	15	312	3	12	M16	18
250	273	375	22	335	60	290	6,3	12	15	312	3	12	M16	18
300	323,9	440	22	395	62	342	7,1	12	15	365	4	12	M20	22
350	355,6	490	22	445	62	385	7,1	12	15	415	4	12	M20	22
350	368	490	22	445	62	385	7,1	12	15	415	4	12	M20	22
400	406,4	540	22	495	65	438	7,1	12	15	465	4	16	M20	22
400	419	540	22	495	65	438	7,1	12	15	465	4	16	M20	22
500	508	645	24	600	68	538	7,1	12	15	570	4	20	M20	22

Stainless Steel Flanges, DIN

4

Welding Neck Flange DIN 2632 PN 10

Pipe O.D.		Flange				Neck				Raised face		Screws		
DN	d1	D	b	k	h1	d3	s	r	h2	d4	f	Quantity	Thread	d2
10 - 150	Welding Neck Flanges according to DIN2633, use nominal pressure 16													
200	219,1	340	24	295	62	235	5,9	10	16	268	3	8	M20	22
250	267	395	26	350	68	285	6,3	12	16	320	3	12	M20	22
250	273	395	26	350	68	292	6,3	12	16	320	3	12	M20	22
300	323,9	445	26	400	68	344	7,1	12	16	370	4	12	M20	22
350	355,6	505	26	460	68	385	7,1	12	16	430	4	16	M20	22
350	368	505	26	460	68	385	7,1	12	16	430	4	16	M20	22
400	406,4	565	26	515	72	440	7,1	12	16	482	4	16	M24	26
400	419	565	26	515	72	440	7,1	12	16	482	4	16	M24	26
500	508	670	28	620	75	542	7,1	12	16	585	4	20	M24	26
600	610	780	28	725	80	642	7,1	12	18	685	5	20	M27	30
700	711	895	30	840	80	745	8	12	18	800	5	24	M27	30
800	813	1015	32	950	90	850	8	12	18	905	5	24	M30	33
900	914	1115	34	1050	95	950	10	12	20	1005	5	28	M30	33
1000	1016	1230	34	1160	95	1052	10	16	20	1110	5	28	M33	36
1200	1220	1455	38	1380	115	1255	11	16	25	1330	5	32	M36	39
1400	1420	1675	42	1590	120	1460	12	16	25	1535	5	36	M39	42
1600	1620	1915	46	1820	130	1665	14	16	25	1760	5	40	M45	48
1800	1820	2115	50	2020	140	1868	15	16	30	1960	5	44	M45	48
2000	2020	2325	54	2230	150	2072	16	16	30	2170	5	48	M45	48

Stainless Steel Flanges, DIN

Welding Neck Flange DIN 2633 PN 16

5

Pipe O.D.		Flange				Neck				Raised face		Screws		
DN	d1	D	b	k	h1	d3	s	r	h2	d4	f	Quantity	Thread	d2
10	14	90	14	60	35	25	1,8	4	6	40	2	4	M12	14
10	17,2	90	14	60	35	28	1,8	4	6	40	2	4	M12	14
15	20	95	14	65	35	30	2,0	4	6	45	2	4	M12	14
15	21,3	95	14	65	35	32	2,0	4	6	45	2	4	M12	14
20	25	105	16	75	38	38	2,3	4	6	58	2	4	M12	14
20	26,9	105	16	75	38	40	2,3	4	6	58	2	4	M12	14
25	30	115	16	85	38	42	2,6	4	6	68	2	4	M12	14
25	33,7	115	16	85	38	45	2,6	4	6	68	2	4	M12	14
32	38	140	16	100	40	52	2,6	6	6	78	2	4	M16	18
32	42,4	140	16	100	40	56	2,6	6	6	78	2	4	M16	18
40	44,5	150	16	110	42	60	2,6	6	7	88	3	4	M16	18
40	48,3	150	16	110	42	64	2,6	6	7	88	3	4	M16	18
50	57	165	18	125	45	72	2,9	6	8	102	3	4	M16	18
50	60,3	165	18	125	45	75	2,9	6	8	102	3	4	M16	18
65	76,1	185	18	145	45	90	2,9	6	10	122	3	4	M16	18
80	88,9	200	20	160	50	105	3,2	8	10	138	3	8	M16	18
100	108	220	20	180	52	125	3,6	8	12	158	3	8	M16	18
100	114,3	220	20	180	52	131	3,6	8	12	158	3	8	M16	18
125	133	250	22	210	55	150	4	8	12	188	3	8	M16	18
125	139,7	250	22	210	55	156	4	8	12	188	3	8	M16	18
150	159	285	22	240	55	175	4,5	10	12	212	3	8	M20	22
150	168,3	285	22	240	55	184	4,5	10	12	212	3	8	M20	22
200	219,1	340	24	295	62	235	5,9	10	16	268	3	12	M20	22
250	267	405	26	355	70	285	6,3	12	16	320	3	12	M24	26
250	273	405	26	355	70	292	6,3	12	16	320	3	12	M24	26
300	323,9	460	28	410	78	344	7,1	12	16	378	4	12	M24	26
350	355,6	520	30	470	82	390	8	12	16	438	4	16	M24	26
350	368	520	30	470	82	390	8	12	16	438	4	16	M24	26
400	406,4	580	32	525	85	445	8	12	16	490	4	16	M27	30
400	419	580	32	525	85	445	8	12	16	490	4	16	M27	30
500	508	715	34	650	90	548	8	12	16	610	4	20	M30	33
600	610	840	36	770	95	652	8,8	12	18	725	5	20	M33	36
700	711	910	36	840	100	755	8,8	12	18	795	5	24	M33	36
800	813	1025	38	950	105	855	10	12	20	900	5	24	M36	39
900	914	1125	40	1050	110	955	10	12	20	1000	5	28	M36	39
1000	1016	1255	42	1170	120	1058	10	16	22	1115	5	28	M39	42
1200	1220	1485	48	1390	130	1262	12,5	16	30	1330	5	32	M45	48
1400	1420	1685	52	1590	145	1465	14,2	16	30	1530	5	36	M45	48
1600	1620	1930	58	1820	160	1668	16	16	35	1750	5	40	M52	56
1800	1820	2130	62	2020	170	1870	17,5	16	35	1950	5	44	M52	56
2000	2020	2345	66	2230	180	2072	20	16	40	2150	5	48	M56	62

Stainless Steel Flanges, DIN

6

Welding Neck Flange DIN 2634 PN 25

Pipe O.D.		Flange				Neck				Raised face		Screws		
DN	d1	D	b	k	h1	d3	s	r	h2	d4	f	Quantity	Thread	d2
10 - 150	Welding Neck Flanges according to DIN2635, use nominal pressure 40													
200	219,1	360	30	310	80	244	6,3	10	16	278	3	12	M24	26
250	267	425	32	370	88	292	7,1	12	18	335	3	12	M27	30
250	273	425	32	370	88	298	7,1	12	18	335	3	12	M27	30
300	323,9	485	34	430	92	352	8	12	18	395	4	16	M27	30
350	355,6	555	38	490	100	398	8	12	20	450	4	16	M30	33
350	368	555	38	490	100	398	8	12	20	450	4	16	M30	33
400	406,4	620	40	550	110	452	8,8	12	20	505	4	16	M33	36
400	419	620	40	550	110	452	8,8	12	20	505	4	16	M33	36
500	508	730	44	660	125	558	10	12	20	615	4	20	M33	36
600	610	845	46	770	125	660	11	12	20	720	5	20	M36	39
700	711	960	46	875	125	760	12,5	12	20	820	5	24	M39	42
800	813	1085	50	990	135	865	14,2	12	22	930	5	24	M45	48
900	914	1185	54	1090	145	968	16	12	24	1030	5	28	M45	48
1000	1016	1320	58	1210	155	1070	17,5	16	24	1140	5	28	M52	56

Stainless Steel Flanges, DIN

Welding Neck Flange DIN 2635 PN 40

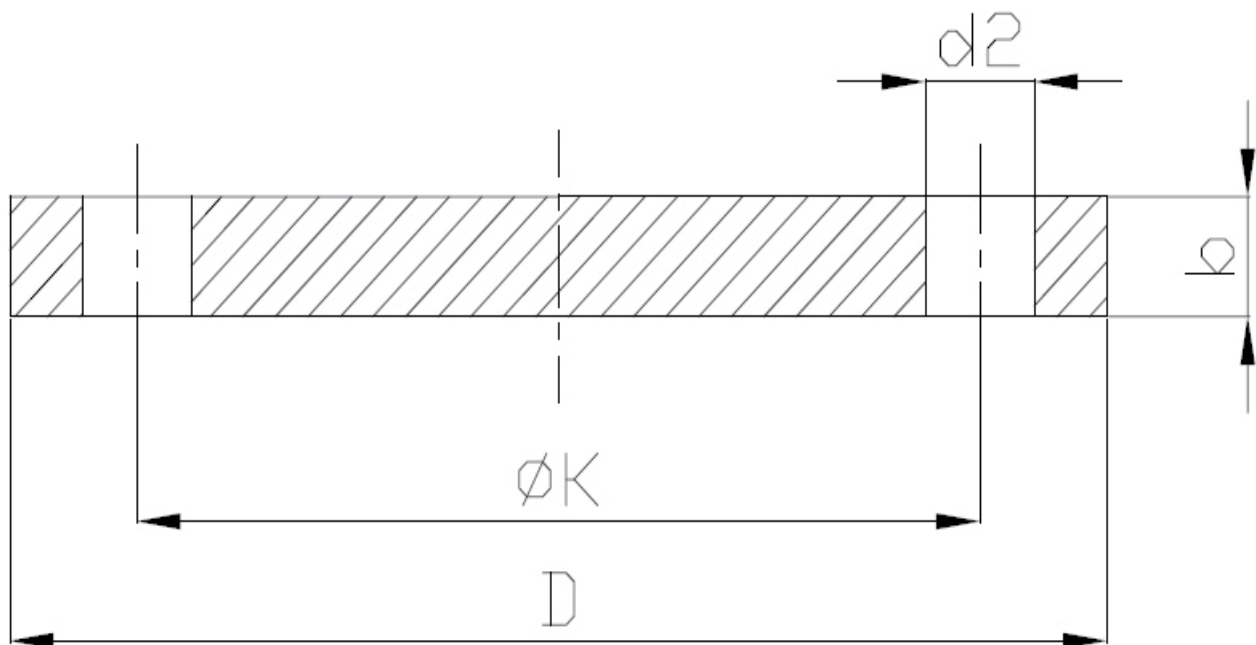
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Pipe O.D.		Flange				Neck				Raised face		Screws		
DN	d1	D	b	k	h1	d3	s	r	h2	d4	f	Quantity	Thread	d2
10	14	90	16	60	35	25	1,8	4	6	40	2	4	M12	14
10	17,2	90	16	60	35	28	1,8	4	6	40	2	4	M12	14
15	20	95	16	65	38	30	2	4	6	45	2	4	M12	14
15	21,3	95	16	65	38	32	2	4	6	45	2	4	M12	14
20	25	105	18	75	40	38	2,3	4	6	58	2	4	M12	14
20	26,9	105	18	75	40	40	2,3	4	6	58	2	4	M12	14
25	30	115	18	85	40	42	2,6	4	6	68	2	4	M12	14
25	33,7	115	18	85	40	46	2,6	4	6	68	2	4	M12	14
32	38	140	18	100	42	52	2,6	6	6	78	2	4	M16	18
32	42,4	140	18	100	42	56	2,6	6	6	78	2	4	M16	18
40	44,5	150	18	110	45	60	2,6	6	7	88	3	4	M16	18
40	48,3	150	18	110	45	64	2,6	6	7	88	3	4	M16	18
50	57	165	20	125	48	72	2,9	6	8	102	3	4	M16	18
50	60,3	165	20	125	48	75	2,9	6	8	102	3	4	M16	18
65	76,1	185	22	145	52	90	2,9	6	10	122	3	8	M16	18
80	88,9	200	24	160	58	105	3,2	8	12	138	3	8	M16	18
100	108	235	24	190	65	128	3,6	8	12	162	3	8	M20	22
100	114,3	235	24	190	65	134	3,6	8	12	162	3	8	M20	22
125	133	270	26	220	68	155	4	8	12	188	3	8	M24	26
125	139,7	270	26	220	68	162	4	8	12	188	3	8	M24	26
150	159	300	28	250	75	182	4,5	10	12	218	3	8	M24	26
150	168,3	300	28	250	75	192	4,5	10	12	218	3	8	M24	26
200	219,1	375	34	320	88	244	6,3	10	16	285	3	12	M27	30
250	267	450	38	385	105	298	7,1	12	18	345	3	12	M30	33
250	273	450	38	385	105	306	7,1	12	18	345	3	12	M30	33
300	323,9	515	42	450	115	362	8	12	18	410	4	16	M30	33
350	355,6	580	46	510	125	408	8,8	12	20	465	4	16	M33	36
350	368	580	46	510	125	408	8,8	12	20	465	4	16	M33	36
400	406,4	660	50	585	135	462	11	12	20	535	4	16	M36	39
400	419	660	50	585	135	462	11	12	20	535	4	16	M36	39
500	508	755	52	670	140	562	14,2	12	20	615	4	20	M39	42

Stainless Steel Flanges, DIN

8

Blind Flange



Stainless Steel Flanges, DIN

Blind Flange DIN 2527 PN 6

9

Pipe O.D.	Flange			Screws		
DN	D	b	k	Quantity	Thread	d2
10	75	12	50	4	M10	11
15	80	12	55	4	M10	11
20	90	14	65	4	M10	11
25	100	14	75	4	M10	11
32	120	14	90	4	M12	14
40	130	14	100	4	M12	14
50	140	14	110	4	M12	14
65	160	14	130	4	M12	14
80	190	16	150	4	M16	18
100	210	16	170	4	M16	18
125	240	18	200	8	M16	18
150	265	18	225	8	M16	18
200	320	20	280	8	M16	18
250	375	22	335	12	M16	18
300	440	22	395	12	M20	22
350	490	22	445	12	M20	22
400	540	22	495	16	M20	22
500	645	24	600	20	M20	22

Stainless Steel Flanges, DIN

10

Blind Flange DIN 2527 PN 10

Pipe O.D.	Flange			Screws		
DN	D	b	k	Quantity	Thread	d2
10 - 150	For Nominal Size from 10 to 150 use Blind Flanges of Nominal Pressure 16					
200	340	24	295	12	M20	22
250	395	26	350	12	M20	22
300	445	26	400	12	M20	22
350	505	26	460	16	M20	22
400	565	26	515	16	M24	26
500	670	28	620	20	M24	26

Stainless Steel Flanges, DIN

Blind Flange DIN 2527 PN 16

11

Pipe O.D.	Flange			Screws		
DN	D	b	k	Quantity	Thread	d2
10	90	14	60	4	M12	14
15	95	14	65	4	M12	14
20	105	16	75	4	M12	14
25	115	16	85	4	M12	14
32	140	16	100	4	M16	18
40	150	16	110	4	M16	18
50	165	18	125	4	M16	18
65	185	18	145	4	M16	18
80	200	20	160	8	M16	18
100	220	20	180	8	M16	18
125	250	22	210	8	M16	18
150	285	22	240	8	M20	22
200	340	24	295	12	M20	22
250	405	26	355	12	M24	26
300	460	28	410	12	M24	26
350	520	30	470	16	M24	26
400	580	32	525	16	M27	30
500	715	36	650	20	M30	33

Stainless Steel Flanges, DIN

12

Blind Flange DIN 2527 PN 25

Pipe O.D.	Flange			Screws		
DN	D	b	k	Quantity	Thread	d2
10-150	For Nominal Size from 10 to 150 use Blind Flanges of Nominal Pressure 40					
200	360	30	310	12	M24	26
250	425	32	370	12	M27	30
300	485	34	430	16	M27	30
350	555	38	490	16	M30	33
400	620	40	550	16	M33	36
500	730	45	660	20	M33	36

Stainless Steel Flanges, DIN

Blind Flange DIN 2527 PN 40

13

Pipe O.D.	Flange			Screws		
DN	D	b	k	Quantity	Thread	d2
10	90	16	60	4	M12	14
15	95	16	65	4	M12	14
20	105	18	75	4	M12	14
25	115	18	85	4	M12	14
32	140	18	100	4	M16	18
40	150	18	110	4	M16	18
50	165	20	125	4	M16	18
65	185	22	145	8	M16	18
80	200	24	160	8	M16	18
100	235	24	190	8	M20	22
125	270	26	220	8	M24	26
150	300	28	250	8	M24	26
200	375	34	320	12	M27	30
250	450	38	385	12	M30	33
300	515	42	450	16	M30	33
350	580	46	510	16	M33	36
400	660	50	585	16	M36	39
500	755	56	670	20	M39	42

Stainless Steel Flanges, DIN

14

Blind Flange DIN 2527 PN 64

Pipe O.D.	Flange					Screws		
DN	D	b	k	d4	f	Quantity	Thread	d2
10 - 40	For Nominal Size from 10 to 40 use Blind Flanges of Nominal Pressure 100							
50	180	26	135	102	3	4	M20	22
65	205	26	160	122	3	8	M20	22
80	215	28	170	138	3	8	M20	22
100	250	30	200	162	3	8	M24	26
125	295	34	240	188	3	8	M27	30
150	345	36	280	218	3	8	M30	33
200	415	42	345	285	3	12	M33	36
250	470	46	400	345	3	12	M33	36
300	530	52	460	410	4	16	M33	36
350	600	56	525	465	4	16	M36	39
400	670	60	585	535	4	16	M39	42

Stainless Steel Flanges, DIN

Blind Flange DIN 2527 PN 100

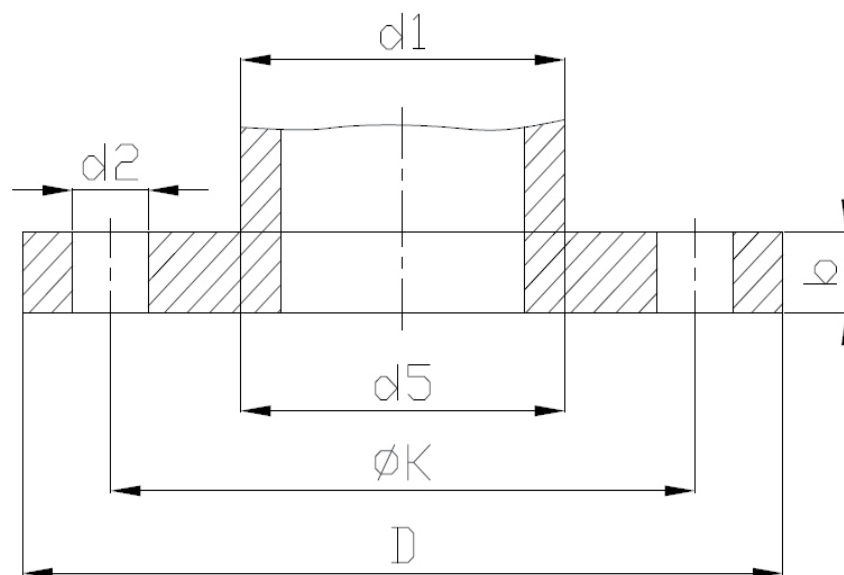
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Pipe O.D.	Flange					Screws		
DN	D	b	k	d4	f	Quantity	Thread	d2
10	100	20	70	40	2	4	M12	14
15	105	20	75	45	2	4	M12	14
25	140	24	100	68	2	4	M16	18
32	155	24	110	78	3	4	M20	22
40	170	26	125	88	3	4	M20	22
50	195	28	145	102	3	4	M24	26
65	220	30	170	122	3	8	M24	26
80	230	32	180	138	3	8	M24	26
100	265	36	210	162	3	8	M27	30
125	315	40	250	188	3	8	M30	33
150	355	44	290	218	3	12	M30	33
200	430	52	360	285	3	12	M33	36
250	505	60	430	345	3	12	M36	39
300	585	68	500	410	4	16	M39	42
350	655	74	560	465	4	16	M45	48

Stainless Steel Flanges, DIN

16

Flat Flange



Stainless Steel Flanges, DIN

Flat Flange DIN 2572 PN 6

17

Pipe O.D.		Flange				Screws		
DN	d1	d5	D	b	k	Quantity	Thread	d2
10	14	14,5	75	12	50	4	M10	11
10	17,2	17,7	75	12	50	4	M10	11
15	20	21	80	12	55	4	M10	11
15	21,3	22	80	12	55	4	M10	11
20	25	26	90	14	65	4	M10	11
20	26,9	27,6	90	14	65	4	M10	11
25	30	31	100	14	75	4	M10	11
25	33,7	34,4	100	14	75	4	M10	11
32	38	39	120	16	90	4	M12	14
32	42,4	43,1	120	16	90	4	M12	14
40	44,5	45,5	130	16	100	4	M12	14
40	48,3	49	130	16	100	4	M12	14
50	57	58,1	140	16	110	4	M12	14
50	60,3	61,1	140	16	110	4	M12	14
65	76,1	77,1	160	16	130	4	M12	14
80	88,9	90,3	190	18	150	4	M16	18
100	108	109,6	210	18	170	4	M16	18
100	114,3	115,9	210	18	170	4	M16	18
125	133	134,8	240	20	200	8	M16	18
125	139,7	141,6	240	20	200	8	M16	18
150	159	161,1	265	20	225	8	M16	18
150	168,3	170,5	265	20	225	8	M16	18
200	219,1	221,8	320	22	280	8	M16	18
250	267	270,2	375	24	335	12	M16	18
250	273	276,2	375	24	335	12	M16	18
300	323,9	327,6	440	24	395	12	M20	22
350	355,6	359,7	490	26	445	12	M20	22
350	368	372,2	490	26	445	12	M20	22
400	406,4	411	540	28	495	16	M20	22
400	419	423,7	540	28	495	16	M20	22
500	508	513,6	645	30	600	20	M20	22

Stainless Steel Flanges, DIN

18

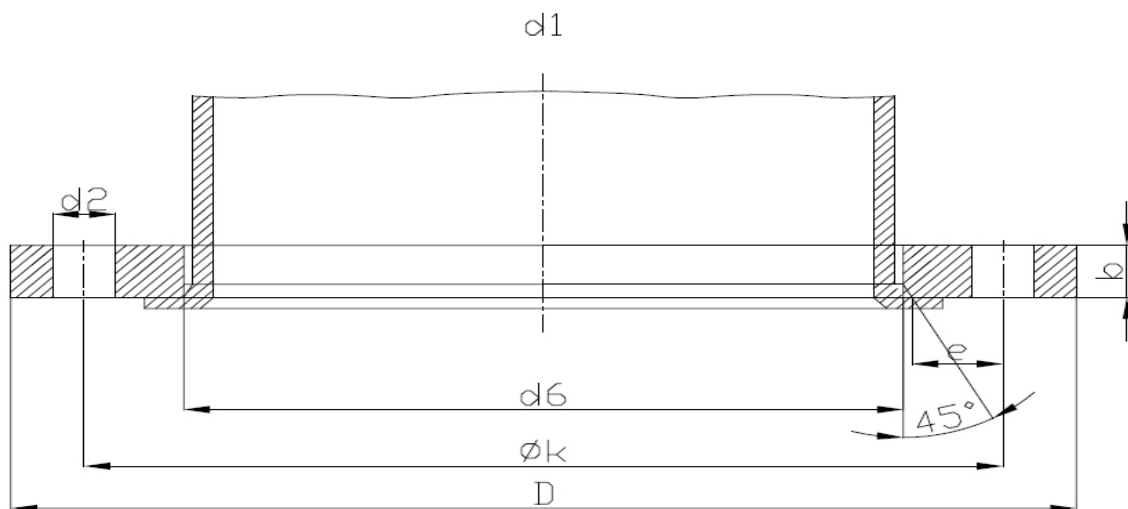
Flat Flange DIN 2576 PN 10

Pipe O.D.		Flange				Screws		
DN	d1	d5	D	b	k	Quantity	Thread	d2
10	14	14,5	90	14	60	4	M12	14
10	17,2	17,5	90	14	60	4	M12	14
15	20	21	95	14	65	4	M12	14
15	21,3	22	95	14	65	4	M12	14
20	25	26	105	16	75	4	M12	14
20	26,9	27,6	105	16	75	4	M12	14
25	30	31	115	16	85	4	M12	14
25	33,7	34,4	115	16	85	4	M12	14
32	38	39	140	16	100	4	M16	18
32	42,4	43,1	140	16	100	4	M16	18
40	44,5	45,5	150	16	110	4	M16	18
40	48,3	49	150	16	110	4	M16	18
50	57	58,1	165	18	125	4	M16	18
50	60,3	61,1	165	18	125	4	M16	18
65	76,1	77,1	185	18	145	4	M16	18
80	88,9	90,3	200	20	160	8	M16	18
100	108	109,6	220	20	180	8	M16	18
100	114,3	115,9	220	20	180	8	M16	18
125	133	134,8	250	22	210	8	M16	18
125	139,7	141,6	250	22	210	8	M16	18
150	159	161,1	285	22	240	8	M20	22
150	168,3	170,5	285	22	240	8	M20	22
200	219,1	221,8	340	24	295	8	M20	22
250	267	270,2	395	26	350	12	M20	22
250	273	276,2	395	26	350	12	M20	22
300	323,9	327,6	445	26	400	12	M20	22
350	355,6	359,7	505	28	460	16	M20	22
350	368	372,2	505	28	460	16	M20	22
400	406,4	411	565	32	515	16	M24	26
400	419	423,7	565	32	515	16	M24	26
500	508	513,6	670	38	620	20	M24	26

Stainless Steel Flanges, DIN

Lapped Flange

19



Stainless Steel Flanges, DIN

20

Lapped Flange DIN 2641 PN 6

Pipe O.D.		Flange					Screws		
DN	d1	D	d6	b	k	e	Quantity	Thread	d2
10	14	75	16	10	50	2	4	M10	11
10	17,2	75	19	10	50	2	4	M10	11
15	20	80	22	10	55	2	4	M10	11
15	21,3	80	24	10	55	2	4	M10	11
20	25	90	28	10	65	2	4	M10	11
20	26,9	90	30	10	65	2	4	M10	11
25	30	100	33	12	75	3	4	M10	11
25	33,7	100	36	12	75	3	4	M10	11
32	38	120	42	12	90	3	4	M12	14
32	42,4	120	46	12	90	3	4	M12	14
40	44,5	130	50	12	100	3	4	M12	14
40	48,3	130	54	12	100	3	4	M12	14
50	57	140	62	12	110	3	4	M12	14
50	60,3	140	65	12	110	3	4	M12	14
65	76,1	160	81	12	130	3	4	M12	14
80	88,9	190	94	14	150	3	4	M16	18
100	108	210	113	14	170	3	4	M16	18
100	114,3	210	119	14	170	3	4	M16	18
125	133	240	138	14	200	3	8	M16	18
125	139,7	240	145	14	200	3	8	M16	18
150	159	265	164	14	225	3	8	M16	18
150	168,3	265	173	14	225	3	8	M16	18
200	219,1	320	225	16	280	3	8	M16	18
250	267	375	273	20	335	3	12	M16	18
250	273	375	279	20	335	3	12	M16	18
300	323,9	440	329	24	395	4	12	M20	22
350	355,6	490	362	26	445	4	12	M20	22
350	368	490	374	26	445	4	12	M20	22
400	406,4	540	413	28	495	4	16	M20	22
400	419	540	426	28	495	4	16	M20	22
500	508	645	517	32	600	4	20	M20	22

Stainless Steel Flanges, DIN

Lapped Flange DIN 2642 PN 10

21

Pipe O.D.		Flange					Screws		
DN	d1	D	d6	b	k	e	Quantity	Thread	d2
10	14	90	16	14	60	3	4	M12	14
10	17,2	90	19	14	60	3	4	M12	14
15	20	95	22	14	65	3	4	M12	14
15	21,3	95	24	14	65	3	4	M12	14
20	25	105	38	14	75	3	4	M12	14
20	26,9	105	30	14	75	3	4	M12	14
25	30	115	33	16	85	4	4	M12	14
25	33,7	115	36	16	85	4	4	M12	14
32	38	140	42	16	100	4	4	M16	18
32	42,4	140	46	16	100	4	4	M16	18
40	44,5	150	50	16	100	4	4	M16	18
40	48,3	150	54	16	100	4	4	M16	18
50	57	165	62	16	125	5	4	M16	18
50	60,3	165	65	16	125	5	4	M16	18
65	76,1	185	81	16	145	5	4	M16	18
80	88,9	200	94	18	160	5	8	M16	18
100	108	220	113	18	180	5	8	M16	18
100	114,3	220	119	18	180	5	8	M16	18
125	133	250	138	18	210	5	8	M16	18
125	139,7	250	145	18	210	5	8	M16	18
150	159	285	164	18	240	5	8	M20	22
150	168,3	285	173	18	240	5	8	M20	22
200	219,1	340	225	20	295	5	8	M20	22
250	267	395	273	22	350	5	12	M20	22
250	273	395	279	22	350	5	12	M20	22
300	323,9	445	329	26	400	5	12	M20	22
350	355,6	505	362	28	460	6	16	M20	22
350	368	505	374	28	460	6	16	M20	22
400	406,4	565	413	32	515	6	16	M24	26
400	419	565	426	32	515	6	16	M24	26
500	508	670	517	38	620	6	20	M24	26

Stainless Steel Flanges, DIN

22

Lapped Flange DIN 2655 PN 25

Pipe O.D.		Flange					Screws		
DN	d1	D	d6	b	k	e	Quantity	Thread	d2
10 - 150	Lapped Flanges according to DIN2656, use nominal pressure 40.								
200	219,1	360	225	26	310	8	12	M24	26
250	267	425	273	30	370	8	12	M27	30
250	273	425	279	30	370	8	12	M27	30
300	323,9	485	329	34	430	8	16	M27	30
350	355,6	555	362	38	490	8	16	M30	33
350	368	555	374	38	490	8	16	M30	33
400	406,4	620	413	42	550	8	16	M33	36
400	419	620	426	42	550	8	16	M33	36
500	508	730	517	50	660	8	20	M33	36

Stainless Steel Flanges, DIN

Lapped Flange DIN 2656 PN 40

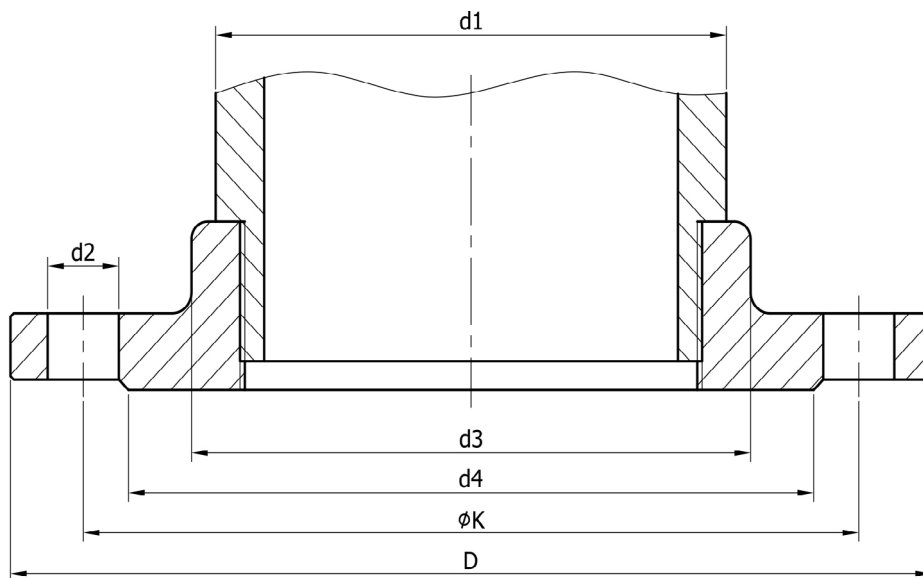
23

Pipe O.D.		Flange					Screws		
DN	d1	D	d6	b	k	e	Quantity	Thread	d2
10	14	90	16	16	60	5	4	M12	14
10	17,2	90	19	16	60	5	4	M12	14
15	20	95	22	16	65	5	4	M12	14
15	21,3	95	24	16	65	5	4	M12	14
20	25	105	28	16	75	5	4	M12	14
20	26,9	105	30	16	75	5	4	M12	14
25	30	115	33	18	85	6	4	M12	14
25	33,7	115	36	18	85	6	4	M12	14
32	38	140	42	18	100	6	4	M16	18
32	42,4	140	46	18	100	6	4	M16	18
40	44,5	150	50	18	110	6	4	M16	18
40	48,3	150	54	18	110	6	4	M16	18
50	57	165	62	20	125	6	4	M16	18
50	60,3	165	65	20	125	6	4	M16	18
65	76,1	185	81	20	145	6	8	M16	18
80	88,9	200	94	22	160	6	8	M16	18
100	108	235	113	22	190	6	8	M20	22
100	114,3	235	119	22	190	6	8	M20	22
125	133	270	138	24	220	6	8	M24	26
125	139,7	270	145	24	220	6	8	M24	26
150	159	300	164	24	250	6	8	M24	26
150	168,3	300	173	24	250	6	8	M24	26
200	219,1	375	225	30	320	8	12	M27	30
250	267	450	273	36	385	8	12	M30	33
250	273	450	279	36	385	8	12	M30	33
300	323,9	515	329	40	450	8	16	M30	33
350	355,6	580	362	46	510	8	16	M33	36
350	368	580	374	46	510	8	16	M33	36
400	406,4	660	413	50	585	8	16	M36	39
400	419	660	426	50	585	8	16	M36	39

Stainless Steel Flanges, DIN

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Threaded Flange



Stainless Steel Flanges, DIN

Threaded Flange DIN2566, PN 10-16

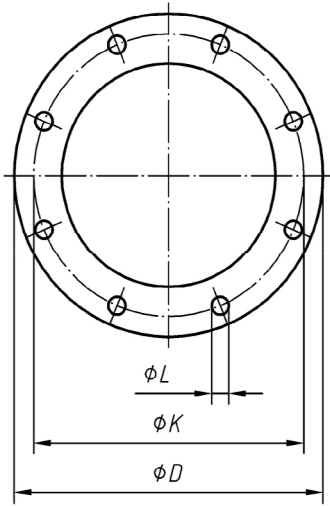
25

Pipe O.D.		Flange					Neck	Raised face		Screws		
DN	d1	Thread	D	b	k	h1	d3	d4	f	Qty	Thread	d2
6	10.2	R1/8"	75	12	50	18	20	32	2	4	M10	11
8	13.5	R1/4"	80	12	55	18	25	38	2	4	M10	11
10	17.2	R3/8"	90	14	60	20	30	40	2	4	M12	14
15	21.3	R1/2"	95	14	65	20	35	45	2	4	M12	14
20	26.9	R3/4"	105	16	75	24	45	58	2	4	M12	14
25	33.7	R1"	115	16	85	24	52	68	2	4	M12	14
32	42.4	R1 1/4"	140	16	100	26	60	78	2	4	M16	18
40	48.3	R1 1/2"	150	16	110	26	70	88	3	4	M16	18
50	60.3	R2"	165	18	125	28	85	102	3	4	M16	18
65	76.1	R2 1/2"	185	18	145	32	105	122	3	4	M16	18
80	88.9	R3"	200	20	160	34	118	138	3	8	M16	18
100	114.3	R4"	220	20	180	38	140	158	3	8	M16	18

Stainless Steel Flanges, EN

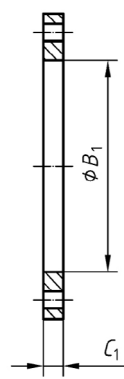
EN1092-1 PN 6

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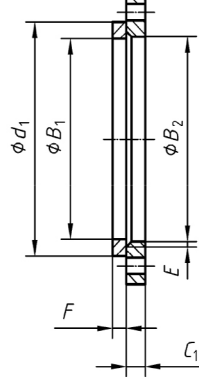


This diagram illustrates the arrangement but not necessarily the correct number of bolt holes.

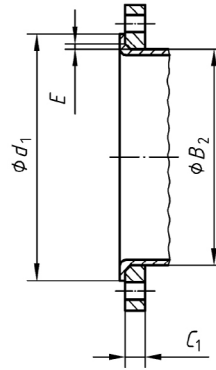
Refer to the column "Bolting Number" in Table 11 for the actual number.



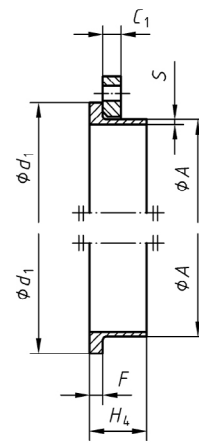
Type 01



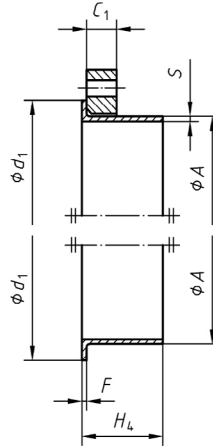
Type 02 and 32



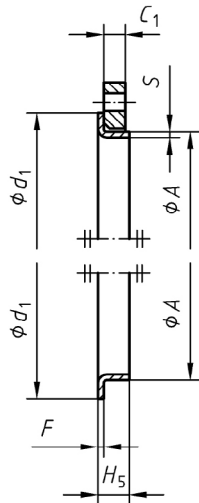
Type 02 and 33



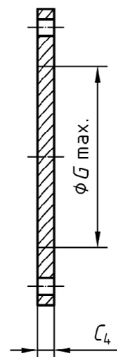
Type 02 and 35



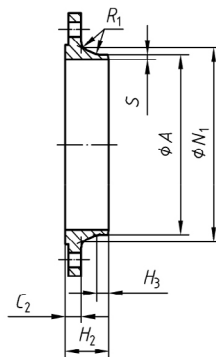
Type 02 and 36



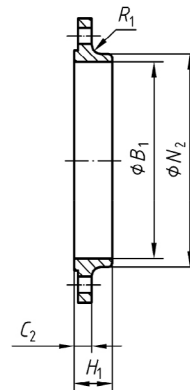
Type 02 and 37



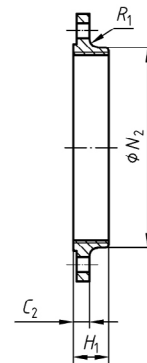
Type 05



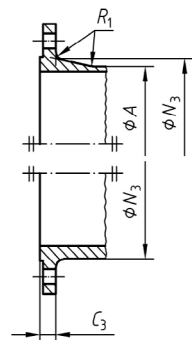
Type 11



Type 12



Type 13



Type 21

- NOTE 1 Dimensions N_1 , N_2 and N_3 are measured at the intersection of the hub draft angle and the back face of the flange.
- NOTE 2 For dimension d_1 , see Table 8.
- NOTE 3 For dimensions $G_{\max}$ refer to NOTE 1 of 5.6.1.
- NOTE 4 Type 33; lapped pipe end without determination of thickness and height.

Stainless Steel Flanges, EN

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DN	Mating dimensions					Outside diameter of neck A	Bore diameter		Flanges thickness			Cham-fer E	Collar thickness F			
	Outside diameter D	Diameter of bolt circle k	Diameter of bolt hole k	Bolting			B1	B2	C1	C2 C3	C4					
				Number	Size											
01, 02 , 05, 11, 12, 13, 21						11 21 35-37	01 12 32	2	"01 02"	11 12 13 21	05	02	32	35	36	37
10	75	50	11	4	M10	17.2	18.0	21	12	12	12	3	10	5	2	2.5
15	80	55	11	4	M10	21.3	22.0	25	12	12	12	3	10	5	2	2.5
20	90	65	11	4	M10	26.9	27.5	31	14	14	14	4	10	6	2.5	3
25	100	75	11	4	M10	33.7	34.5	38	14	14	14	4	10	7	2.5	3
32	120	90	14	4	M12	42.4	43.5	46	16	14	14	5	10	8	3	3
40	130	100	14	4	M12	48.3	49.5	53	16	14	14	5	10	8	3	3
50	140	110	14	4	M12	60.3	61.5	65	16	14	14	5	12	8	3	3
65	160	130	14	4	M12	76.1	77.5	81	16	14	14	6	12	8	3	3
80	190	150	18	4	M16	88.9	90.5	94	18	16	16	6	12	10	3	4
100	210	170	18	4	M16	114.3	116.0	120	18	16	16	6	14	10	4	4
125	240	200	18	8	M16	139.7	141.5	145	20	18	18	6	14	10	4	4
150	265	225	18	8	M16	168.3	170.5	174	20	18	18	6	14	10	5	4
200	320	380	18	8	M16	219.1	221.5	226	22	20	20	6	16	11	5	5
250	375	335	18	12	M16	273.0	276.5	281	24	22	22	8	18	12	8	
300	440	395	22	12	M20	323.9	327.5	333	24	22	22	8	18	12	8	
350	490	445	22	12	M20	355.6	359.5	365	26	22	22	8	18	13	8	
400	540	495	22	16	M20	406.4	411.0	416	28	22	22	8	20	14	8	
450	595	550	22	16	M20	457.0	462.0	467	30	22	24	8	20	15	8	
500	645	600	22	20	M20	508.0	513.5	519	30	24	24	8	22	16	8	
600	755	705	26	20	M24	610.0	616.5	622	32	30	30	8	22	16		
700	860	810	26	24	M24	711.0	specified by purchaser	721	40	30	40	4		16		
800	975	920	30	24	M27	813.0		824	44	30	44	4		16		
900	1075	1020	30	24	M27	914.0		926	48	34	48	4		16		
1000	1175	1120	30	28	M27	1016.0		1028	52	38	52	4		18		
1200	1405	1340	33	32	M30	1219.0		1234	60	42	60	5		20		
1400	1630	1560	36	36	M33	1422.0			72	56	68					
1600	1830	1760	36	40	M33	1626.0			80	63	76					
1800	2045	1970	39	44	M36	1829.0				88	69	84				
2000	2265	2180	42	48	M39	2032.0				96	74	92				
2200	2475	2390	42	52	M39	2235.0				81						
2400	2685	2600	42	56	M39	2438.0				87						
2600	2905	2810	48	60	M45	2620.0				91						
2800	3115	3020	48	64	M45	2820.0				101						
3000	3315	3220	48	68	M45	3020.0				102						
3200	3525	3430	48	72	M45	3220.0				106						
3400	3735	3640	48	76	M45	3420.0				110						
3600	3970	3860	56	80	M52	3620.0				124						

Stainless Steel Flanges, EN

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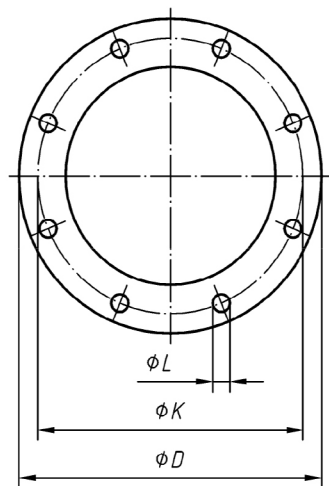
28

DN	Diam- eter of shoulder Gmax	Length						Neck diameter			Corner radii R1	Wall thick- ness S
		H1	H2	H3	H4	H5	N1	N2	N3			
	Flange type											
	05	12 13	11	11	35	36	37	11	12 13	21	11 12 13 21	11, 35 to 37
10		20	28	6	28	35	7	26	25	20	4	Please see wall thickness table
15		20	30	6	30	38	7	30	30	26	4	
20		24	32	6	32	40	8	38	40	34	4	
25		24	35	6	35	40	10	42	50	44	4	
32		26	35	6	35	42	12	55	60	54	6	
40		26	38	7	38	45	15	62	70	64	6	
50		28	38	8	38	45	20	74	80	74	6	
65	55	32	38	9	38	45	20	88	100	94	6	
80	70	34	42	10	42	50	25	102	110	110	8	
100	90	40	45	10	45	52	25	130	130	130	8	
125	115	44	48	10	48	55	25	155	160	160	8	
150	140	44	48	12	48	55	25	184	185	182	10	
200	190	44	55	15	55	62	30	236	240	238	10	
250	235	44	60	15	60	68		290	295	284	12	
300	285	44	62	15	62	68		342	355	342	12	
350	330		62	15	62	68		385		392	12	
400	380		65	15	65	72		438		442	12	
450	425		65	15	72	72		492		494	12	
500	475		68	15	75	75		538		544	12	
600	575		70	16	70			640		642	12	
700	670		76	16	70			740		746	12	
800	770		76	16	70			842		850	12	
900	860		78	16	70			942		950	12	
1000	960		82	16	70			1045		1050	16	
1200	1160		104	20	90			1248		1264	16	
1400	1346		114	20				1452		1480	16	
1600	1546		119	20				1655		1680	16	
1800	1746		133	20				1855		1878	16	
2000	1950		146	25				2058		2082	16	
2200			154	25				2260			18	
2400			168	25				2462			18	
2600			175	25				2665			18	
2800			188	30				2865			18	
3000			192	30				3068			18	
3200			202	30				3272			20	
3400			214	35				3475			20	
3600			229	35				3678			20	

Stainless Steel Flanges, EN

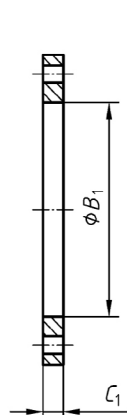
EN1092-1 PN 10

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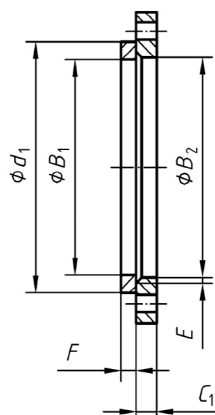


This diagram illustrates the arrangement but not necessarily the correct number of bolt holes.

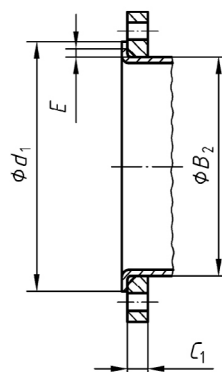
Refer to the column "Bolting Number" in Table 12 for the actual number.



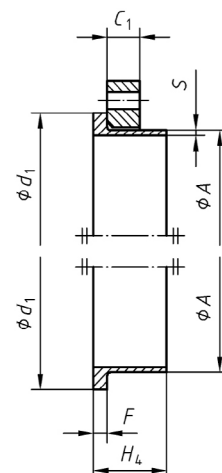
Type 01



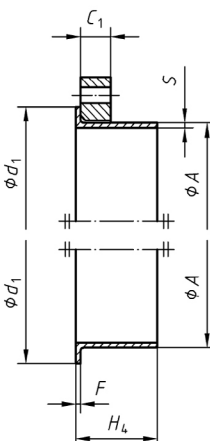
Type 02 and 32



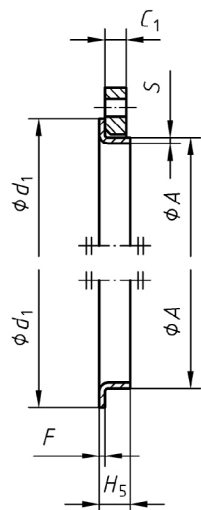
Type 02 and 33



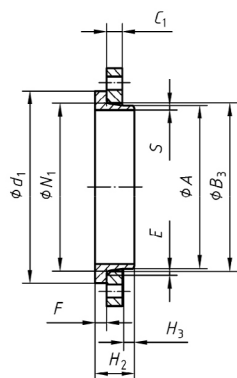
Type 02 and 35



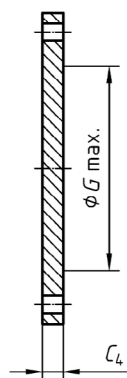
Type 02 and 36



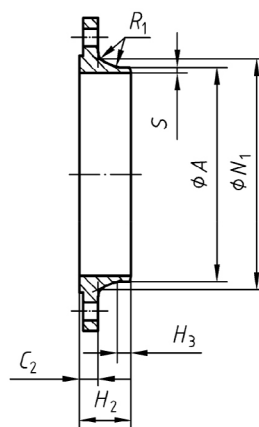
Type 02 and 37



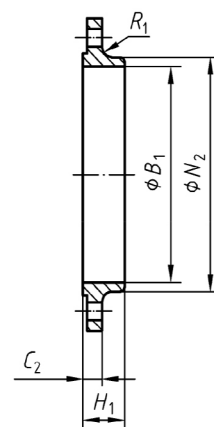
Type 04 and 34



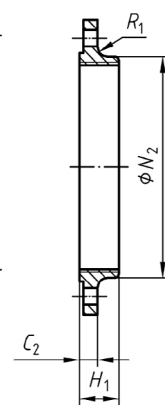
Type 05



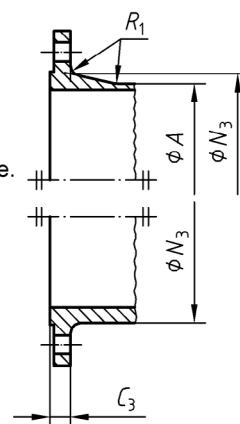
Type 11



Type 12



Type 13



Type 21

NOTE 1 Dimensions N_1 , N_2 and N_3 are measured at the intersection of the hub draft angle and the back face of the flange.

NOTE 2 For dimension d_1 , see Table 8.

NOTE 3 For dimensions G_{max} refer to NOTE 1 of 5.6.1.

NOTE 4 Type 33; lapped pipe end without determination of thickness and height.

Stainless Steel Flanges, EN

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DN	Mating dimensions					Outside diam- eter of neck A	Bore diameter			Flanges thickness				Chamfer E
	Outside diam- eter D	Diameter of bolt circle k	Diameter of bolt hole k	Bolting			B1	B2	B3	C1	C2	C3	C4	
				Num- ber	Size									
	Flange type													
01, 02 , 05, 11, 12, 13, 21						11 21 34 35-37	01 12 32	02	04	01 02 04	11 12 13	21	05	02 04
10	90	60	14	4	M12	17.2	18.0	21	31	14	16	16	16	2
15	95	65	14	4	M12	21.3	22.0	25	35	14	16	16	16	2
20	105	75	14	4	M12	26.9	27.5	31	42	16	18	18	18	4
25	115	85	14	4	M12	33.7	34.5	38	49	16	18	18	18	4
32	140	100	18	4	M16	42.4	43.5	47	59	18	18	18	18	5
40	150	110	18	4	M16	48.3	49.5	53	67	18	18	18	18	5
50	165	125	18	4	M16	60.3	61.5	65	77	20	18	18	18	5
65	185	145	18	8	M16	76.1	77.5	81	96	20	18	18	18	6
80	200	160	18	8	M16	88.9	90.5	94	108	20	20	20	20	6
100	220	180	18	8	M16	114.3	116.0	120	134	22	20	20	20	6
125	250	210	18	8	M16	139.7	141.5	145	162	22	22	22	22	6
150	285	240	22	8	M20	168.3	170.5	174	188	24	22	22	22	6
200	340	295	22	8	M20	219.1	221.5	226	240	24	24	24	24	6
250	395	350	22	12	M20	273.0	276.5	281	294	26	26	26	26	8
300	445	400	22	12	M20	323.9	327.5	333	348	26	26	26	26	8
350	505	460	22	16	M20	355.6	359.5	365	400	30	26	26	26	8
400	565	515	26	16	M24	406.4	411.0	416	450	32	26	26	26	8
450	615	565	26	20	M24	457.0	462.0	467	498	36	28	28	28	8
500	670	620	26	20	M24	508.0	513.5	519	550	38	28	28	28	8
600	780	725	30	20	M27	610.0	616.5	622	650	42	30	34	34	8
700	895	840	30	24	M27	711.0	specified by purchaser	721		50	35		38	8
800	1015	950	33	24	M30	813.0		824		56	38		48	8
900	1115	1050	33	28	M30	914.0		926		62	38		50	8
1000	1230	1160	36	28	M33	1016.0		1028		70	44		54	8
1200	1455	1380	39	32	M36	1219.0		1234		83	55		66	8
1400	1675	1590	42	36	M39	1422.0					65			
1600	1915	1820	48	40	M45	1626.0					75			
1800	2115	2020	48	44	M45	1829.0					85			
2000	2325	2230	48	48	M45	2032.0					90			
2200	2550	2440	56	52	M52	2235.0					100			
2400	2760	2650	56	56	M52	2438.0					110			
2600	2960	2850	56	60	M52	2620.0					110			
2800	3180	3070	56	64	M52	2820.0					124			
3000	3405	3290	62	68	M56	3020.0					132			

Stainless Steel Flanges, EN

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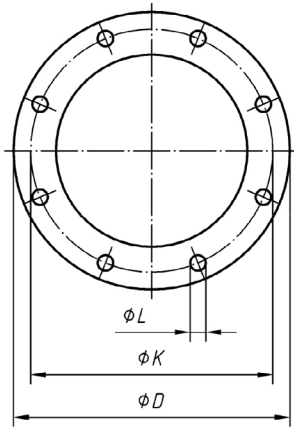
31

DN	Collar thickness F					Diam- eter of shoul- der Gmax	Length						Neck diameter			Corner radii R1	Wall thickness S	
							H1	H2	H3	H4		H5	N1	N2	N3			
	Flange																	
	32 34	35	36	37	05	12 13	11 34	11 34	35	36	37	11 34	12 13	21	11 12 13 21, 34	34	11,35 to 37	
10	12	5	2	2.5		22	35	6	35	35	7	28	30	28	4	1.8		
15	12	5	2	2.5		22	38	6	38	38	7	32	35	32	4	2.0		
20	14	6	2.5	3		26	40	6	40	40	8	40	45	40	4	2.3		
25	14	7	2.5	3		28	40	6	40	40	10	46	52	50	4	2.6		
32	14	8	3	3		30	42	6	42	42	12	56	60	60	6	2.6		
40	14	8	3	3		32	45	7	45	45	15	64	70	70	6	2.6		
50	16	8	3	4		28	45	8	45	45	20	74	84	84	6	2.9		
65	16	8	3	4	55	32	45	10	45	45	20	92	104	104	6	2.9		
80	16	10	3	4	70	34	50	10	50	50	25	105	118	120	6	3.2		
100	18	10	4	4	90	40	52	12	52	52	25	131	140	140	8	3.6		
125	18	10	4	4	115	44	55	12	55	55	25	156	168	170	8	4.0		
150	20	10	4	4	140	44	55	12	55	55	25	184	195	190	10	4.5		
200	20	11	5	4	190	44	62	16	62	62	30	234	246	246	10	6.3		
250	22	12	8		235	46	68	16	68	68		292	298	298	12	6.3		
300	22	12	8		285	46	68	16	68	68		342	350	348	12	7.1		
350	22	13	8		330	53	68	16	68	68		385	400	408	12	7.1		
400	24	14	8		380	57	72	16	72	72		440	456	456	12	7.1		
450	24	15			425	63	72	16	72			488	502	502	12	7.1		
500	26	16			475	67	75	16	75			542	559	559	12	7.1		
600	26	18			575	75	82	18	80			642	658	658	12			
700		20			670		85	18	80			746		772	12			
800		20			770		96	18	90			850		876	12			
900		22			860		99	20	95			950		976	12			
1000		24			960		105	20	95			1052		1080	16			
1200		26			1160		132	25	115			1256		1292	16			
1400							143	25				1460		1496	16			
1600							159	25				1666		1712	16			
1800							175	30				1868		1910	16			
2000							186	30				2072		2120	16			
2200							202	35				2275			18			
2400							218	35				2478			18			
2600							224	40				2680			18			
2800							244	40				2882			18			
3000							257	45				3085			18			

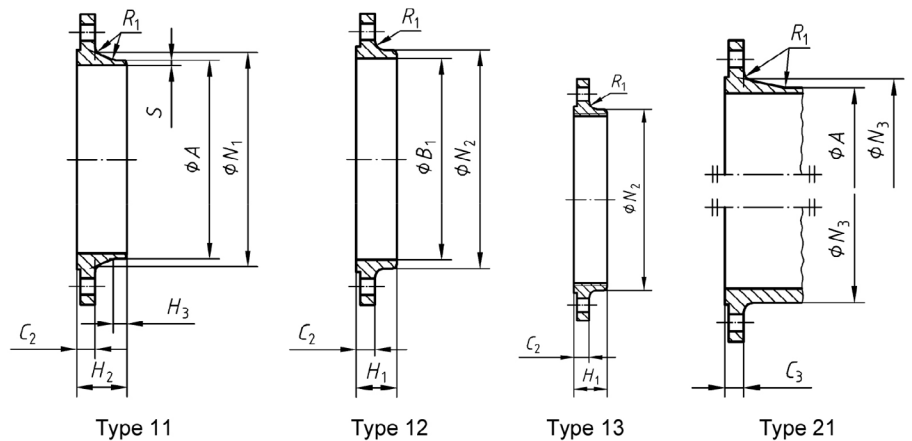
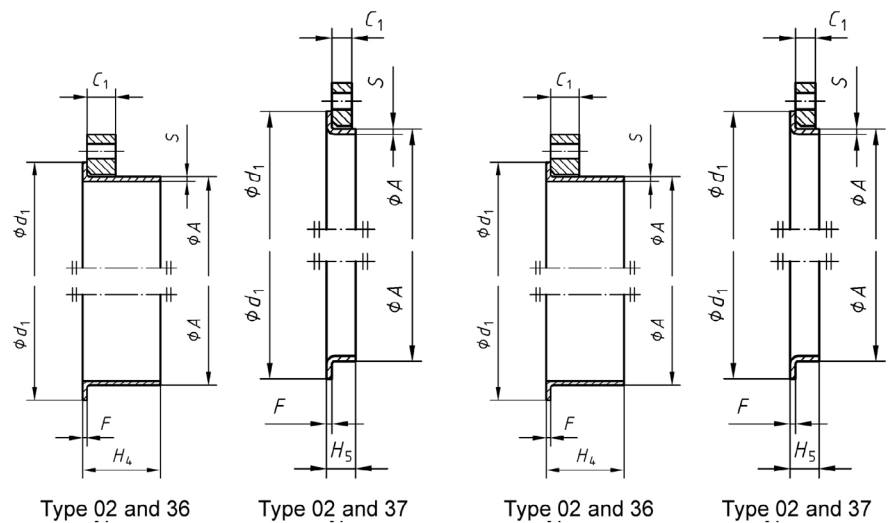
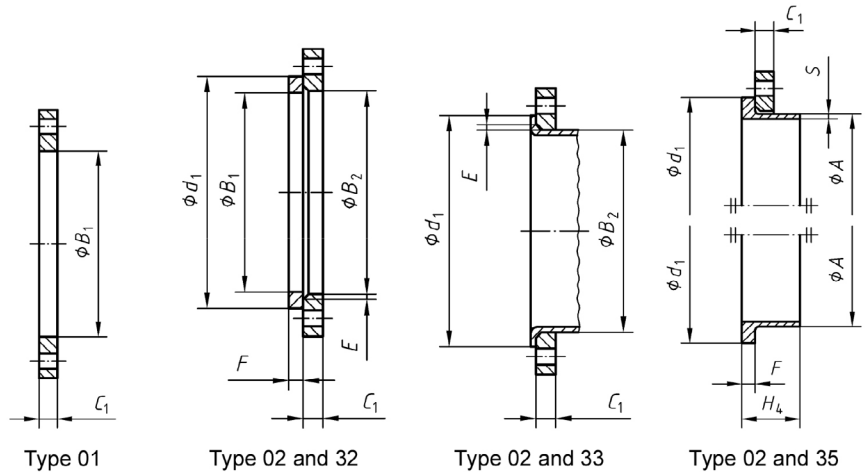
Stainless Steel Flanges, EN

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This diagram illustrates the arrangement but not necessarily the correct number of bolt holes. Refer to the column "Bolting Number" in Table 13 for the actual number.



- NOTE 1 Dimensions N_1 , N_2 and N_3 are measured at the intersection of the hub draft angle and the back face of the flange.
 NOTE 2 For dimension d_1 , see Table 8.
 NOTE 3 For dimensions G_{max} refer to NOTE 1 of 5.6.1.
 NOTE 4 Type 33; lapped pipe end without determination of thickness and height.

Stainless Steel Flanges, EN

EN1092-1 PN 16

33

DN	Mating dimensions					Out-side diam-eter of neck A	Bore diameter			Flanges thickness				Chamfer E							
	Out-side diam-eter D	Diam-eter of bolt circle k	Diam-eter of bolt hole k	Bolting																	
							Num-ber	Size													
				Flange type																	
				01, 02 , 05, 11, 12, 13, 21					11 21 34 35-37	01 12 32	02	04	01 02 04		11 12 13	21	05	02 04			
10	90	60	14	4	M12	17.2	18.0	21	31	14	16	16	16	3							
15	95	65	14	4	M12	21.3	22.0	25	35	14	16	16	16	3							
20	105	75	14	4	M12	26.9	27.5	31	42	16	18	18	18	4							
25	115	85	14	4	M12	33.7	34.5	38	49	16	18	18	18	4							
32	140	100	18	4	M16	42.4	43.5	47	59	18	18	18	18	5							
40	150	110	18	4	M16	48.3	49.5	53	67	18	18	18	18	5							
50	165	125	18	4	M16	60.3	61.5	65	77	20	18	18	18	5							
65	185	145	18	8	M16	76.1	77.5	81	96	20	18	18	18	6							
80	200	160	18	8	M16	88.9	90.5	94	108	20	20	20	20	6							
100	220	180	18	8	M16	114.3	116.0	120	134	22	20	20	20	6							
125	250	210	18	8	M16	139.7	141.5	145	162	22	22	22	22	6							
150	285	240	22	8	M20	168.3	170.5	174	188	24	22	22	22	6							
200	340	295	22	12	M20	219.1	221.5	226	240	26	24	24	24	6							
250	395	350	26	12	M24	273.0	276.5	281	294	29	26	26	26	8							
300	445	400	26	12	M24	323.9	327.5	333	348	32	28	28	28	8							
350	505	460	26	16	M24	355.6	359.0	365	400	35	30	30	30	8							
400	565	515	30	16	M27	406.4	411.0	416	454	38	32	32	32	8							
450	615	565	30	20	M27	457.0	462.0	467	500	42	34	40	40	8							
500	670	620	33	20	M30	508.0	513.5	519	556	46	36	44	44	8							
600	780	725	36	20	M33	610.0	616.5	622	660	55	40	54	54	8							
700	895	840	36	24	M33	711.0	specified by purchaser	721		63	40	specified by purchaser	58	8							
800	1015	950	39	24	M36	813.0		824		74	41		62	8							
900	1115	1050	39	28	M36	914.0		926		82	48		64	8							
1000	1230	1160	42	28	M39	1016.0		1030		90	59		68	8							
1200	1455	1380	48	32	M45	1219.0					78										
1400	1675	1590	48	36	M45	1422.0					84										
1600	1915	1820	56	40	M52	1626.0					102										
1800	2115	2020	56	44	M52	1829.0					110										
2000	2325	2230	62	48	M56	2032.0					124										

Stainless Steel Flanges, EN

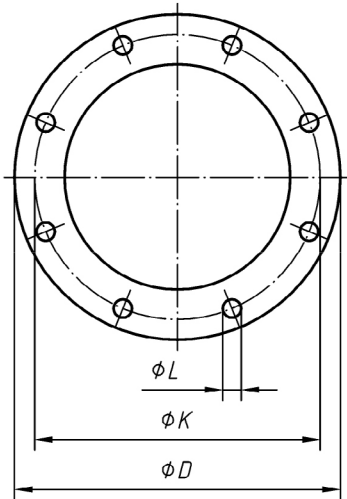
EN1092-1 PN 16

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DN	Collar thickness F				Diam- eter of shoulder Gmax	Length						Neck diameter			Corner radii R1	Wall thick- ness S	
	H1	H2	H3	H4		H5	N1	N2	N3								
	Flange																
32 34	35	36	37	05	12 13	11 34	11 34	35	36	37	11 34	12 13	21	11 12 13 21, 34	34	11, 35 to 37	
10	12	5	2	2.5		22	35	6	35	35	7	28	30	28	4	1.8	
15	12	5	2	2.5		22	38	6	38	38	7	32	35	32	4	2.0	
20	14	6	2.5	3		26	40	6	40	40	8	40	45	40	4	2.3	
25	14	7	2.5	3		28	40	6	40	40	10	46	52	50	4	2.6	
32	14	8	3	3		30	42	6	42	42	12	56	60	60	6	2.6	
40	14	8	3	3		32	45	7	45	45	15	64	70	70	6	2.6	
50	16	8	3	4		28	45	8	45	45	20	74	84	84	6	2.9	
65	16	8	3	4	55	32	45	10	45	45	20	92	104	104	6	2.9	
80	16	10	3	4	70	34	50	10	50	50	25	105	118	120	6	3.2	
100	18	10	4	4	90	40	52	12	52	52	25	131	140	140	8	3.6	
125	18	10	4	4	115	44	55	12	55	55	25	156	168	170	8	4.0	
150	20	10	5	5	140	44	55	12	55	55	25	184	195	190	10	4.5	
200	20	11	6	6	190	44	62	16	62	62	30	235	246	246	10	6.3	
250	22	12	10		235	46	70	16	70	68		292	298	296	12	6.3	
300	24	14	10		285	46	78	16	78	68		344	350	350	12	7.1	
350	26	18	10		330	57	82	16	82	68		390	400	410	12	8.0	
400	28	20	10		380	63	85	16	85	72		445	456	458	12	8.0	
450	30	22			425	68	83	16	87			490	502	516	12	8.0	
500	32	22			475	73	84	16	90			548	559	576	12	8.0	
600	32	24			575	83	88	18	95			670	658	690	12	8.8	
700		26			670	83	104	18	100			755	760	760	12		
800		28			770	90	108	20	105			855	864	862	12		
900		30			860	94	118	20	110			955	968	962	12		
1000		35			960	100	137	22	120			1058	1072	1076	16		
1200					1160		160	30				1262		1282	16		
1400					1346		177	30				1465		1482	16		
1600					1546		204	35				1668		1696	16		
1800					1746		218	35				1870		1896	16		
2000					1950		238	40				2072		2100	16		

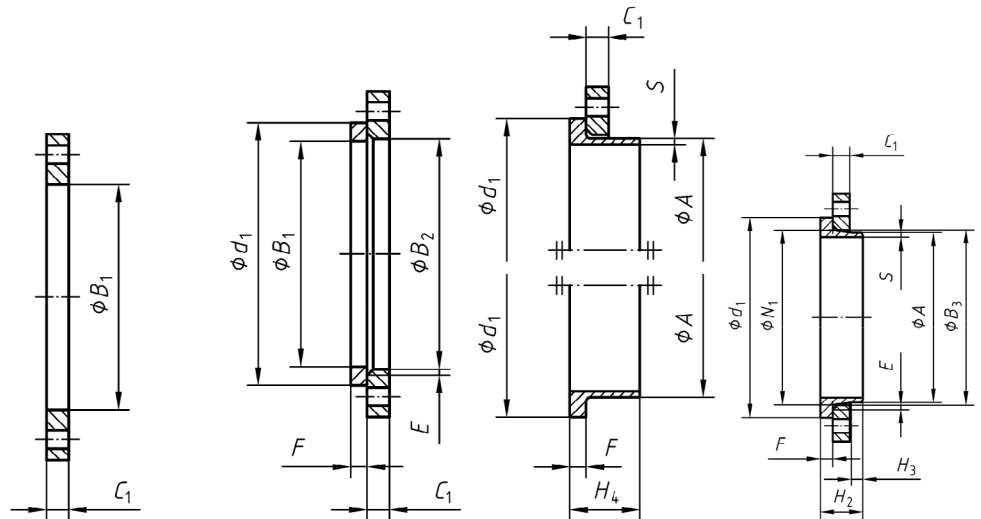
Please see thickness table

EN1092-1 PN 25



This diagram illustrates the arrangement but not necessarily the correct number of bolt holes.

Refer to the column "Bolting Number" in Table 14 for the actual number.

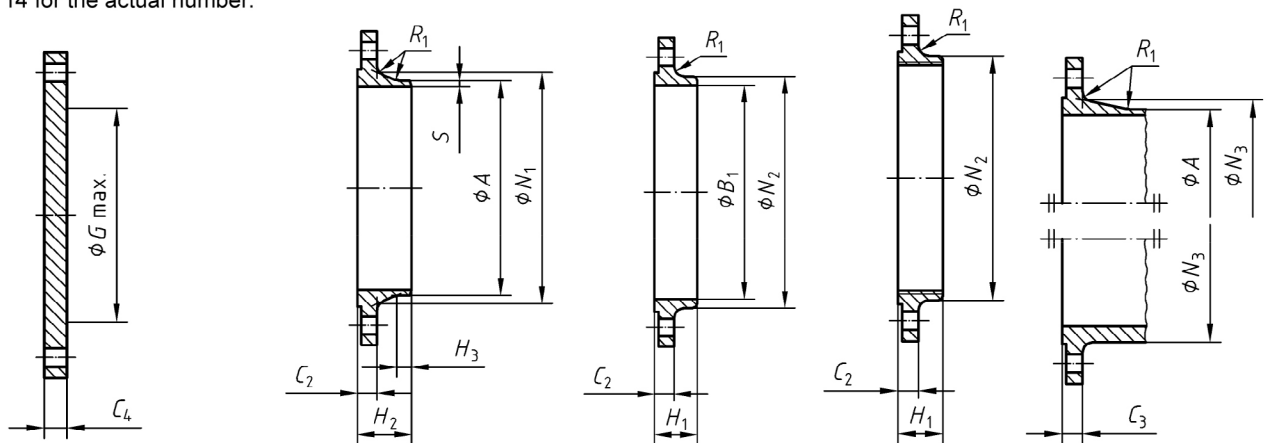


Type 01

Type 02 and 32

Type 02 and 35

Type 04 and 34



Type 05

Type 11

Type 12

Type 13

Type 21

NOTE 1 Dimensions N_1 , N_2 and N_3 are measured at the intersection of the hub draft angle and the back face of the flange.

NOTE 2 For dimension d_1 , see Table 8.

NOTE 3 For dimensions $G_{\max}$ refer to NOTE 1 of 5.6.1.

Stainless Steel Flanges, EN EN1092-1 PN 25

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DN	Mating dimensions					Outside diameter of neck A	Bore diameter			Flanges thickness				Chamfer E	
	Out-side diam-eter D	Di-am-eter of bolt circle k	Diam-eter of bolt hole L	Bolting			B1	B2	B3	C1	C2	C3	C4		
				Num-ber	Size										
Flange type															
01, 02, 05, 11, 12, 13, 21					11 21 34 35-37	01 12 32	02	04	01 02 04	11 12 13	21	05	02 04		
10	90	60	14	4	M12	17.2	18.0	21	31	14	16	16	16	3	
15	95	65	14	4	M12	21.3	22.0	25	35	14	16	16	16	3	
20	105	75	14	4	M12	26.9	27.5	31	42	16	18	18	18	4	
25	115	85	14	4	M12	33.7	34.5	38	49	16	18	18	18	4	
32	140	100	18	4	M16	42.4	43.5	47	59	18	18	18	18	5	
40	150	110	18	4	M16	48.3	49.5	53	67	18	18	18	18	5	
50	165	125	18	4	M16	60.3	61.5	65	77	20	20	20	20	5	
65	185	145	18	8	M16	76.1	77.5	81	96	22	22	22	22	6	
80	200	160	18	8	M16	88.9	90.5	94	114	24	24	24	24	6	
100	235	190	22	8	M20	114.3	116.0	120	138	26	24	24	24	6	
125	270	220	26	8	M24	139.7	141.5	145	166	28	26	26	26	6	
150	300	250	26	8	M24	168.3	170.5	174	194	30	28	28	28	6	
200	360	310	26	12	M24	219.1	221.5	226	250	32	30	30	30	6	
250	425	370	30	12	M27	273.0	276.5	281	302	35	32	32	32	8	
300	485	430	30	16	M27	323.9	327.5	333	356	38	34	34	34	8	
350	555	490	33	16	M30	355.6	359.5	365	408	42	38	38	38	8	
400	620	550	36	16	M33	406.4	411.0	416	462	48	40	40	40	8	
450	670	600	36	20	M33	457.0	462.0	467	510	54	46	46	50	8	
500	730	660	36	20	M33	508.0	513.5	519	568	58	48	48	51	8	
600	845	770	39	20	M36	610.0	616.5	622	670	68	48	58	66	8	
700	960	875	42	24	M39	711.0	specified by purchaser	721		85	50	specified by purchaser	specified by purchaser	8	
800	1085	990	48	24	M45	813.0		824		95	53			8	
900	1185	1090	48	28	M45	914.0				specified by purchaser	57				
1200	1320	1210	56	28	M52	1016.0					63				
1400	Only mating dimension fixed														
1600															
1800															
2000															

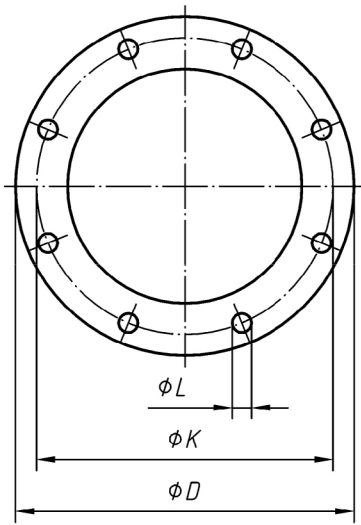
EN1092-1 PN 25

Please see thickness table

Stainless Steel Flanges, EN

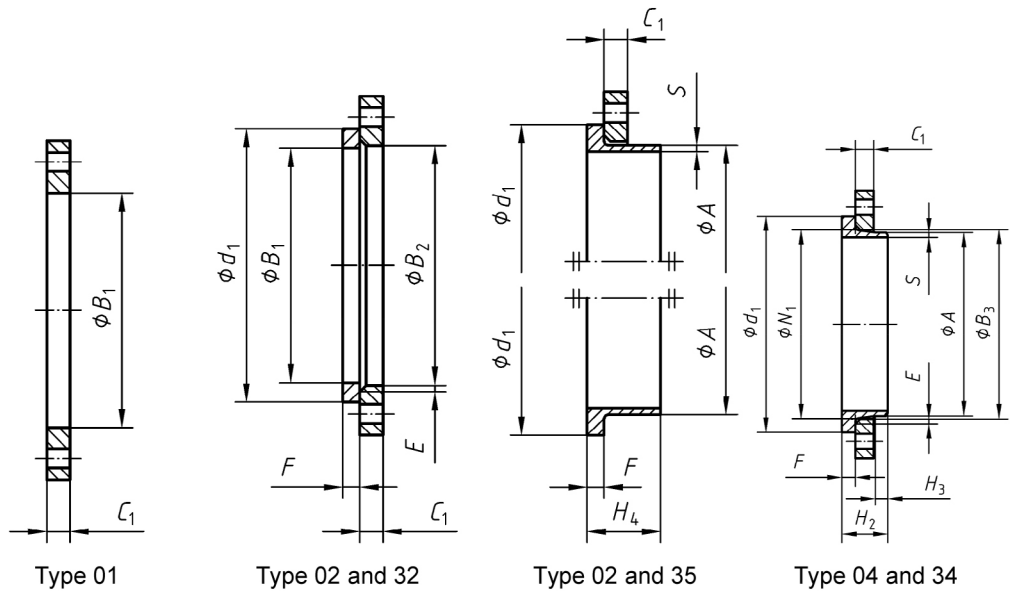
EN1092-1 PN 40

38



This diagram illustrates the arrangement but not necessarily the correct number of bolt holes.

Refer to the column "Bolting Number" in Table 15 for the actual number.

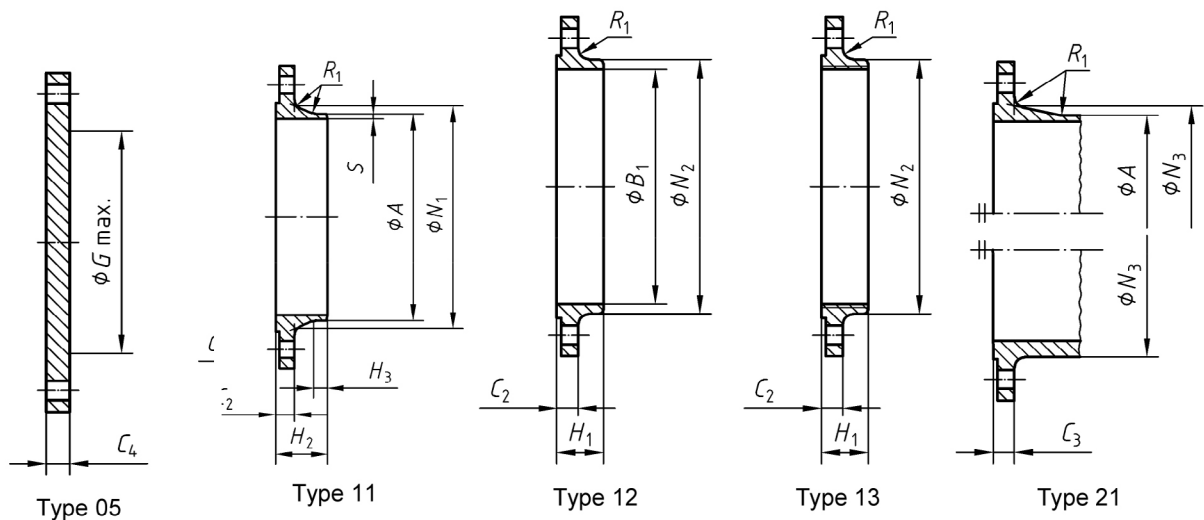


Type 01

Type 02 and 32

Type 02 and 35

Type 04 and 34



Type 05

Type 11

Type 12

Type 13

Type 21

- NOTE 1 Dimensions N_1 , N_2 and N_3 are measured at the intersection of the hub draft angle and the back face of the flange.
- NOTE 2 For dimension d_1 , see Table 8.
- NOTE 3 For dimensions G_{max} refer to NOTE 1 of 5.6.1.

EN1092-1 PN 40

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DN	Mating dimensions					Outside diameter of neck A	Bore diameter			Flanges thickness				Chamfer E
	Outside diameter D	Diam-eter of bolt circle k	Diam-eter of bolt hole L	Bolting										
				Number	Size									
Flange type														
01, 02 , 05, 11, 12, 13, 21					11 21 34	01 12 32	02	04	01 02 04	11 12 13	21	05	02 04	
10	90	60	14	4	M12	17.2	18.0	21	31	14	16	16	16	3
15	95	65	14	4	M12	21.3	22.0	25	35	14	16	16	16	3
20	105	75	14	4	M12	26.9	27.5	31	42	16	18	18	18	4
25	115	85	14	4	M12	33.7	34.5	38	49	16	18	18	18	4
32	140	100	18	4	M16	42.4	43.5	47	59	18	18	18	18	5
40	150	110	18	4	M16	48.3	49.5	53	67	18	18	18	18	5
50	165	125	18	4	M16	60.3	61.5	65	77	20	20	20	20	5
65	185	145	18	8	M16	76.1	77.5	81	96	22	22	22	22	6
80	200	160	18	8	M16	88.9	90.5	94	114	24	24	24	24	6
100	235	190	22	8	M20	114.3	116.0	120	138	26	24	24	24	6
125	270	220	26	8	M24	139.7	141.5	145	166	28	26	26	26	6
150	300	250	26	8	M24	168.3	170.5	174	194	30	28	28	28	6
200	375	320	30	12	M27	219.1	221.5	226	250	36	36	36	36	6
250	450	385	33	12	M30	273.0	276.5	281	312	42	38	38	38	8
300	515	450	33	16	M30	323.9	327.5	333	368	52	42	42	42	8
350	580	510	36	16	M33	355.6	359.5	365	418	58	46	46	46	8
400	660	585	39	16	M36	406.4	411.0	416	472	65	50	50	50	8
450	685	610	39	20	M36	457.0	462.0	467	510	Specified by purchaser	57	57	57	8
500	755	670	42	20	M39	508.0	513.5	519	572		57	57	57	8
600	890	795	48	20	M45	610.0	616.5	622	676		72	72	72	8
700	Only mating dimension													
800														
900														
1000														
1200														
1400														
1600														

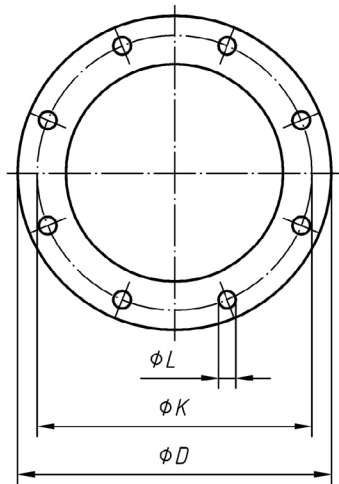
Stainless Steel Flanges, EN EN1092-1 PN 40

DN	Collar thickness F		Diameter of shoulder Gmax	Length				Neck diameter			Corner radii R1	Wall thick- ness S	
				H1	H2	H3	H4	N1	N2	N3			
	Flange type												
	32 34	35	05	12 13	11 34	11 34	35	11 34	12 13	21	11 12 13 21	34	11, 35
10	12	5		22	35	6	35	28	30	28	4	1.8	Please see thickness table
15	12	5		22	38	6	38	32	35	32	4	2.0	
20	14	6		26	40	6	40	40	45	40	4	2.3	
25	14	7		28	40	6	40	46	52	50	4	2.6	
32	14	8		30	42	6	42	56	60	60	6	2.6	
40	14	8		32	45	7	45	64	70	70	6	2.6	
50	16	10		34	48	8	48	75	84	84	6	2.9	
65	16	11	55	38	52	10	52	90	104	104	6	2.9	
80	18	12	70	40	58	12	58	105	118	120	8	3.2	
100	20	14	90	44	65	12	65	134	145	142	8	3.6	
125	22	16	115	48	68	12	68	162	170	162	8	4.0	
150	24	18	140	52	75	12	75	192	200	192	10	4.5	
200	28	20	190	52	88	16	88	244	260	254	10	6.3	
250	30	22	235	60	105	18	105	306	312	312	12	7.1	
300	34	25	285	67	115	18	115	362	380	378	12	8	
350	36	28	330	72	125	20	125	408	424	432	12	8.8	
400	42	32	380	78	135	20	135	462	478	498	12	11.0	
450	46		425	84	135	20		500	522	522	12	12.5	
500	50		475	90	140	20		562	576	576	12	14.2	
600	54		575	100	150	20		666	686	686	12	16	
700	Only mating dimension fixed												
800													
900													
1000													
1200													
1400													
1600													

Stainless Steel Flanges, EN

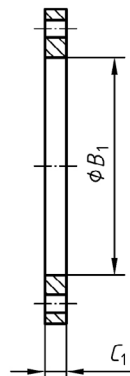
EN1092-1 PN 63

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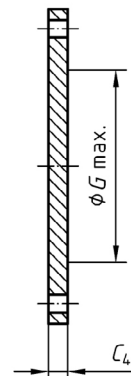


This diagram illustrates the arrangement but not necessarily the correct number of bolt holes.

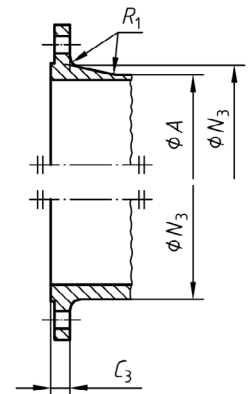
Refer to the column "Bolting Number" in Table 16 for the actual number.



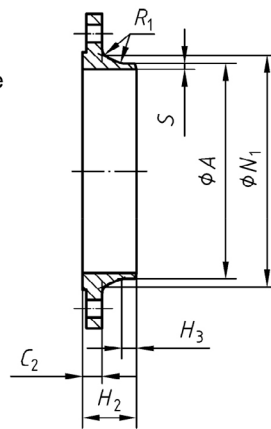
Type 01



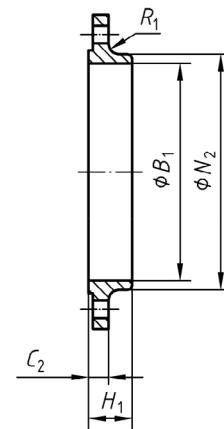
Type 05



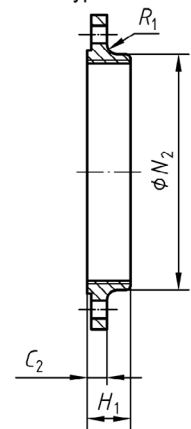
Type 21



Type 11



Type 12



Type 13

NOTE 1 Dimensions N_1 , N_2 and N_3 are measured at the intersection of the hub draft angle and the back face of the flange.

NOTE 2 For dimensions G_{max} refer to NOTE 1 of 5.6.1.

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42

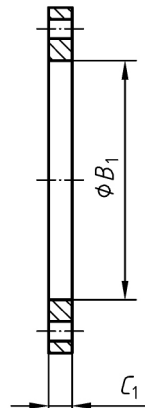
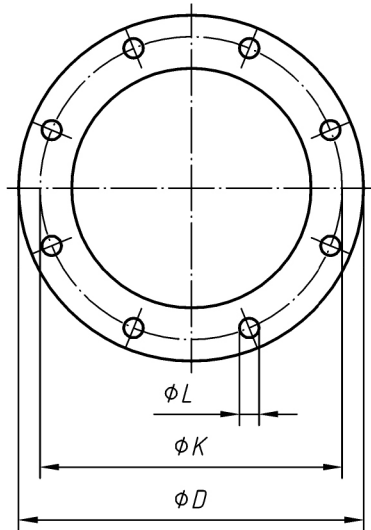
EN1092-1 PN 63

DN	Diameter of shoulder Gmax	Length			Neck diameter			Corner radii R1	Wall thickness S
		H1	H2	H3	N1	N2	N3		
	Flange type								
	05	12 13	11	11	11	12 13	21	11 12 13 21	11
		28	45	6	32	40	40	4	Please see thickness table
10		28	45	6	34	43	45	4	
15		30	48	8	42	52	50	4	
20		32	58	8	52	60	61	4	
25		32	60	8	62	68	68	6	
32		34	62	10	70	80	82	6	
40		36	62	10	82	90	90	6	
50	45	40	68	12	98	112	105	6	
65	60	44	72	12	112	125	122	8	
80	80	52	78	12	138	152	146	8	
100	105	56	88	12	168	185	177	8	
125	130	60	95	12	202	215	204	10	
150	180		110	16	256		264	10	
200	220		125	18	316		320	12	
250	270		140	18	372		378	12	
300	310		150	20	420		343	12	
350	360		160	20	475		490	12	
400	Only mating dimension								
500									
600									
700									
800									
900									
1000									
1200									

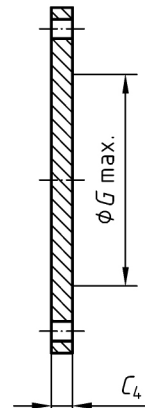
Stainless Steel Flanges, EN

EN1092-1 PN 100

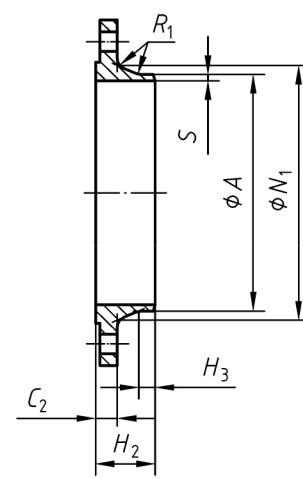
44



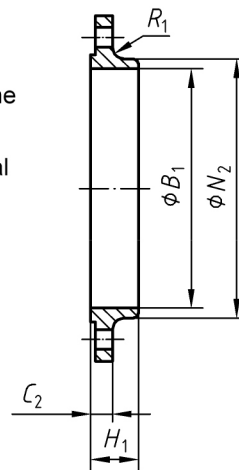
Type 01



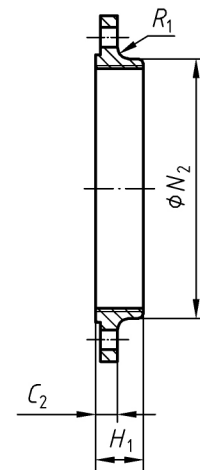
Type 05



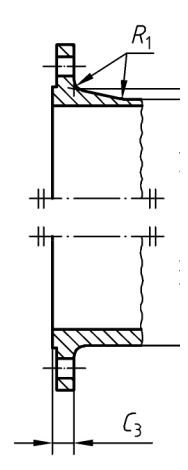
Type 11



Type 12



Type 13



Type 21

This diagram illustrates the arrangement but not necessarily the correct number of bolt holes.

Refer to the column "Bolting Number" in Table 17 for the actual number.

NOTE 1 Dimensions N_1 , N_2 and N_3 are measured at the intersection of the hub draft angle and the back face of the flange.

NOTE 2 For dimensions G_{max} refer to NOTE 1 of 5.6.1.

EN1092-1 PN 100

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DN	Mating dimensions					Outside diameter of neck A	Bore diameter	Flanges thickness					
	Outside diameter D	Diameter of bolt circle k	Diameter of bolt hole L	Bolting									
				Number	Size			B1	C1	C2	C3	C4	
	Flange type												
	01 , 05, 11, 12, 13, 21							11 21	"01 12	01	11 12 13	21	05
10	100	70	14	4	M12	17.2	18.0	20	20	20	20		
15	105	75	14	4	M12	21.3	22.0	20	20	20	20		
20	130	90	18	4	M16	26.9	27.5	22	22	22	22		
25	140	100	18	4	M16	33.7	34.5	24	24	24	24		
32	155	110	22	4	M20	42.4	43.5	24	24	26	24		
40	170	125	22	4	M20	48.3	49.5	26	26	28	26		
50	195	145	26	4	M24	60.3	61.5	28	28	30	28		
65	220	170	26	8	M24	76.1	77.5	30	30	34	30		
80	230	180	26	8	M24	88.9	90.5	34	32	36	32		
100	265	210	30	8	M27	114.3	116.0	36	36	40	36		
125	315	250	33	8	M30	139.7	141.5	42	40	40	40		
150	355	290	33	12	M30	168.3	170.5	48	44	44	44		
200	430	360	36	12	M33	219.1	221.5	60	52	52	52		
250	505	430	39	12	M36	273.0	276.5	72	60	60	60		
300	585	500	42	16	M39	323.9	327.5	84	68	68	68		
350	655	560	48	16	M45	355.6	359.5	95	74	74	74		
400	Only mating dimension fixed												
500													

EN1092-1 PN 100

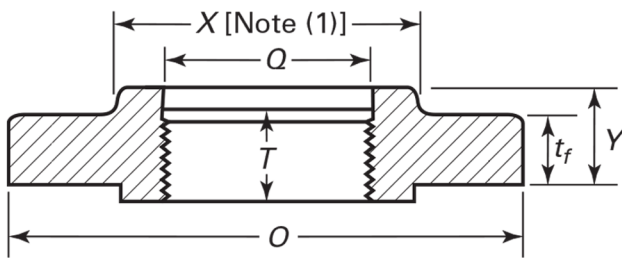
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DN	Diameter of shoulder Gmax	Length			Neck diameter			Corner radii R1	Wall thick- ness S
		H1	H2	H3	N1	N2	N3		
	Flange type								
	05	12 13	11	11	11	12 13	21	11 12 13 21	11
10		28	45	6	32	40	40	4	Please see thickness table
15		28	45	6	34	43	45	4	
20		30	48	8	42	52	50	4	
25		32	58	8	52	60	61	4	
32		32	60	8	62	68	68	6	
40		34	62	10	70	80	82	6	
50		36	68	10	90	95	96	6	
65	45	40	76	12	108	118	118	6	
80	60	44	78	12	120	130	128	8	
100	80	52	90	12	150	158	150	8	
125	105	56	105	12	180	188	185	8	
150	130	60	115	12	210	225	216	10	
200	180		130	16	278		278	10	
250	210		157	18	340		340	12	
300	260		170	18	400		407	12	
350	300		189	20	460		460	12	
400	Only mating dimension fixed								
500									

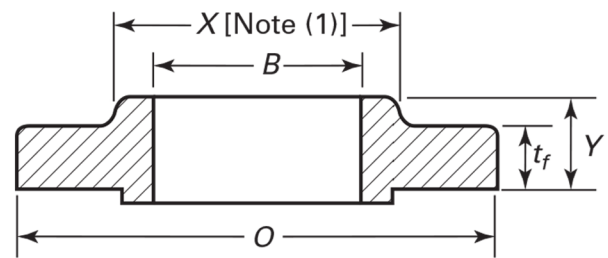
Stainless Steel Flanges, ASME

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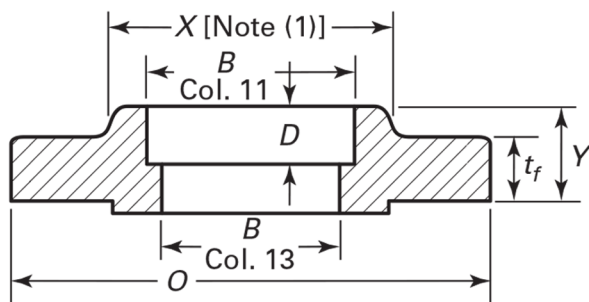
B16.5 Class 150 Pipe Flange



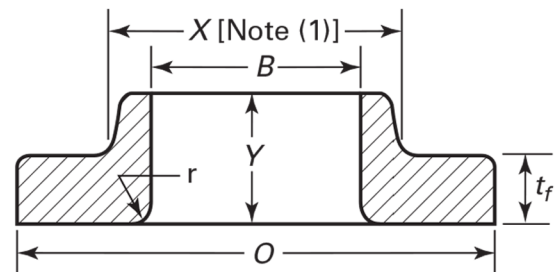
Threaded



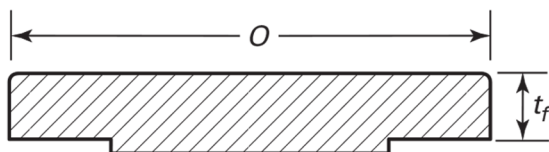
Slip-On Welding



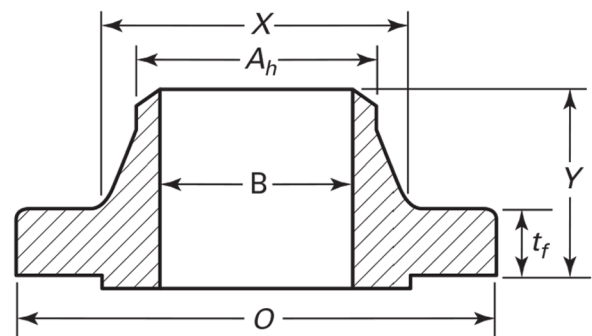
Socket Welding (NPS $1/2$ to 3 Only)



Lapped



Blind



Welding Neck

Stainless Steel Flanges, ASME

B16.5 Class 150 Pipe Flange

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N.P.S.	Outside Diameter	Thick-ness	Thickness of Lap Joint	Raised Face Di- ameter	Corner Radius of Bore of Lap Joint	Bore			Length thru Hub			Thread Length Threaded Flange (Min)	Depth of Socket	Diam-eter Hub at Bevel
						Weld- ing Neck Socket Welding	Slip-On Socket Welding	Lap Joint	Weld- ing Neck	Slip- Threaded Socket Welding	Lap Joint			
	0	C	C1	R	r	B1	B2	B3	Y1	Y2	Y3	T	D	A
1/2	90.0	9.6	11.2	34.9	3.0	15.8	22.2	22.9	46.0	14.0	16.0	16.0	10.0	21.3
3/4	100.0	11.2	12.7	42.9	3.0	20.9	27.7	28.2	51.0	14.0	16.0	16.0	11.0	26.7
1	110.0	12.7	14.3	50.8	3.0	26.6	34.5	34.9	54.0	16.0	17.0	17.0	13.0	33.4
1 1/4	115.0	14.3	15.9	63.5	5.0	35.1	43.2	43.7	56.0	19.0	21.0	21.0	16.0	42.2
1 1/2	125.0	15.9	17.5	73.0	6.0	40.9	49.5	50.0	60.0	21.0	22.0	22.0	17.0	48.3
2	150.0	17.5	19.1	92.1	8.0	52.5	61.9	62.5	62.0	24.0	25.0	25.0	17.0	60.3
2 1/2	180.0	20.7	22.3	104.8	8.0	62.7	74.6	75.4	68.0	27.0	29.0	29.0	19.0	73.0
3	190.0	22.3	23.9	127.0	10.0	77.9	90.7	91.4	68.0	29.0	30.0	30.0	21.0	88.9
3 1/2	215.0	22.3	23.9	139.7	10.0	90.1	103.4	104.1	70.0	30.0	32.0	32.0	22.4	101.6
4	230.0	22.3	23.9	157.2	11.0	102.3	116.1	116.8	75.0	32.0	33.0	33.0	24.0	114.3
5	255.0	22.3	23.9	185.7	11.0	128.2	143.8	144.4	87.0	35.0	36.0	36.0	24.0	141.3
6	280.0	23.9	25.4	215.9	13.0	154.1	170.7	171.4	87.0	38.0	40.0	40.0	27.0	168.3
8	345.0	27.0	28.6	269.9	13.0	202.7	221.5	222.2	100.0	43.0	44.0	44.0	32.0	219.1
10	405.0	28.6	30.2	323.8	13.0	254.6	276.2	277.4	100.0	48.0	49.0	49.0	33.0	273.0
12	485.0	30.2	31.8	381.0	13.0	304.8	327.0	328.2	113.0	54.0	56.0	56.0	40.0	323.8
14	535.0	33.4	35.0	412.8	13.0	To be specified by purchaser	359.2	360.2	125.0	56.0	79.0	57.0	41.4	355.6
16	595.0	35.0	36.6	469.9	13.0		410.5	411.2	125.0	62.0	87.0	64.0	44.5	406.4
18	635.0	38.1	39.7	533.4	13.0		461.8	462.3	138.0	67.0	97.0	68.0	49.0	457.0
20	700.0	41.3	42.9	584.2	13.0		513.1	514.4	143.0	71.0	103.0	73.0	54.0	508.0
24	815.0	46.1	47.7	692.2	13.0		616.0	616.0	151.0	81.0	111.0	83.0	60.5	610.0

Stainless Steel Flanges, ASME

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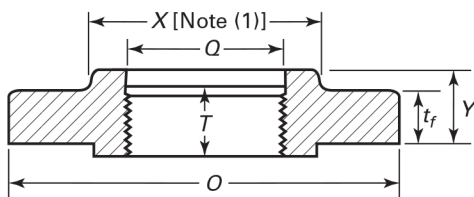
B16.5 Class 150 Pipe Flange

Hub Di- ameter	Drilling			Approximate Weight										Nominal Pipe Size
	Bolt Circle Diameter Hole	Diameter of Bolt Holes	Number of Bolt	Welding Neck		Slip On Threaded		Lap Joint		Blind		Socket Welding		
				Kg	lb	Kg	lb	.Kg	lb	Kg	lb	Kg	lb	
X														
30.0	60.3	15.9	4	0.51	1.1	0.47	1.00	0.51	1.00	0.47	1.00	0.47	1.00	1/2
38.0	69.9	15.9	4	0.73	1.6	0.58	1.30	0.64	1.40	0.63	1.40	0.59	1.30	3/4
49.0	79.4	15.9	4	1.07	2.4	0.86	1.90	0.93	1.80	0.94	2.10	0.87	1.90	1
59.0	88.9	15.9	4	1.40	3.1	1.08	2.40	1.16	2.00	1.23	2.70	1.11	2.40	1 1/4
65.0	98.4	15.9	4	1.81	4.0	1.41	3.10	1.51	3.30	1.62	3.60	1.45	3.20	1 1/2
78.0	120.7	19.1	4	2.59	5.7	2.26	5.00	2.38	5.20	2.64	5.80	2.33	5.00	2
90.0	139.7	19.1	4	4.28	9.4	3.43	7.60	3.60	7.90	4.06	9.00	3.55	7.80	2 1/2
108.0	152.4	19.1	4	5.18	11.4	3.87	8.50	4.04	8.90	4.90	10.80	4.02	8.90	3
122.0	177.8	19.1	8	5.45	12.0	4.99	11.00	4.99	11.00	5.90	13.00	4.99	11.00	3 1/2
135.0	190.5	19.1	8	7.32	16.1	5.75	12.70	5.96	13.00	7.41	16.30	5.99	13.20	4
164.0	215.9	22.2	8	8.91	19.6	6.22	13.70	6.44	14.00	8.76	19.30	6.68	14.70	5
192.0	241.3	22.2	8	11.26	24.8	7.38	16.30	7.59	16.70	11.31	24.90	7.99	17.60	6
246.0	298.5	22.2	8	17.68	39.0	12.36	27.30	12.66	27.90	19.92	43.90	13.29	29.30	8
305.0	362.0	25.4	12	24.79	54.7	17.10	37.70	16.78	37.00	29.39	64.80	19.50	43.00	10
365.0	431.8	25.4	12	39.98	85.9	27.68	61.00	28.30	36.40	43.70	96.30	29.03	64.00	12
400.0	476.3	28.6	12	51.71	114.0	35.20	77.60	41.50	91.50	59.42	140.00	38.56	85.00	14
457.0	539.8	28.6	16	64.41	142.0	42.18	93.00	52.98	116.80	77.11	170.00	44.49	98.00	16
505.0	577.9	31.8	16	74.84	165.0	49.71	109.60	59.00	130.00	94.80	209.00	54.43	120.00	18
559.0	635.0	31.8	20	89.36	197.0	65.50	140.00	72.12	159.00	123.38	272.00	70.31	155.00	20
663.0	749.3	34.9	20	119.66	263.8	90.50	199.50	99.02	218.30	188.24	415.00	95.25	210.00	24

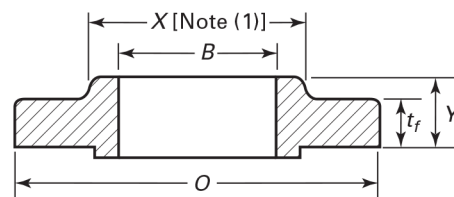
Stainless Steel Flanges, ASME

B16.5 Class 300 Pipe Flange

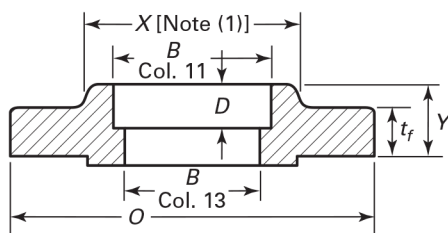
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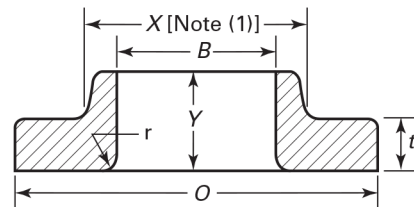
Threaded



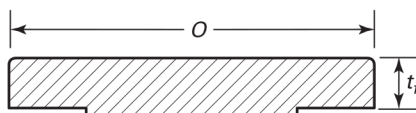
Slip-On Welding



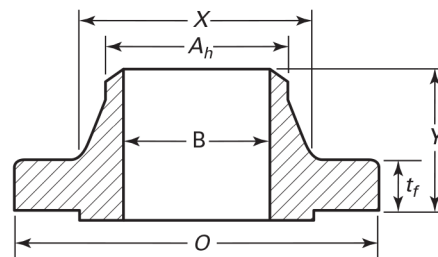
Socket Welding (NPS $\frac{1}{2}$ to 3 Only)



Lapped



Blind



Welding Neck

Stainless Steel Flanges, ASME

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B16.5 Class 300 Pipe Flange

N. P. S.	Outside Diameter	Thick-ness	Thickness of Lap Joint	Raised Face Di- ameter	Corner Radius of Bore of Lap Joint	Bore				Length thru Hub			Thread Length Threaded Flange (Min)	Depth of Socket
						Welding Neck Socket Welding	Slip-On Socket Welding	Lap Joint	Diameter Counter Bore Threaded	Welding Neck	Slip-Threaded Socket Welding	Lap Joint		
						B1	B2	B3	Q	Y1	Y2	Y3		
1/2	95.0	12.7	14.3	34.9	3.0	15.8	22.2	22.9	23.6	51.0	21.0	22.0	16.0	10.0
3/4	115.0	14.3	15.9	42.9	3.0	20.9	27.7	28.2	29.0	56.0	24.0	25.0	16.0	11.0
1	125.0	15.9	17.5	50.8	3.0	26.6	34.5	34.9	35.8	60.0	25.0	27.0	18.0	13.0
1 1/4	135.0	17.5	19.1	63.5	5.0	35.1	43.2	43.7	44.4	64.0	25.0	27.0	21.0	14.0
1 1/2	155.0	19.1	20.7	73.0	6.0	40.9	49.5	50.0	50.3	67.0	29.0	30.0	23.0	16.0
2	165.0	20.7	22.3	92.1	8.0	52.5	61.9	62.5	63.5	68.0	32.0	33.0	29.0	17.0
2 1/2	190.0	23.9	25.4	104.8	8.0	62.7	74.6	75.4	76.2	75.0	37.0	38.0	32.0	19.0
3	210.0	27.0	28.6	127.0	10.0	77.9	90.7	91.4	92.2	78.0	41.0	43.0	32.0	21.0
3 1/2	230.0	28.6	30.2	139.7	10.0	90.1	103.4	104.1	104.9	79.0	43.0	44.0	37.0	-
4	255.0	30.2	31.8	157.2	11.0	102.3	116.1	116.8	117.6	84.0	46.0	48.0	37.0	-
5	280.0	33.4	35.0	185.7	11.0	128.2	143.8	144.4	144.4	97.0	49.0	51.0	43.0	-
6	320.0	35.0	36.6	215.9	13.0	154.1	170.7	171.4	171.4	97.0	51.0	52.0	47.0	-
8	380.0	39.7	41.3	269.9	13.0	202.7	221.5	222.2	222.2	110.0	60.0	62.0	51.0	-
10	445.0	46.1	47.7	323.8	13.0	254.6	276.2	277.4	276.2	116.0	65.0	95.0	56.0	-
12	520.0	49.3	50.8	381.0	13.0	304.8	327.0	328.2	328.6	129.0	71.0	102.0	61.0	-
14	585.0	52.4	54.0	412.8	13.0	To be specified by purchaser	359.2	360.2	360.4	141.0	75.0	111.0	64.0	-
16	650.0	55.6	57.2	469.9	13.0		410.5	411.2	411.2	144.0	81.0	121.0	69.0	-
18	710.0	58.8	60.4	533.4	13.0		461.8	462.3	462.0	157.0	87.0	130.0	70.0	-
20	775.0	62.0	63.5	584.2	13.0		513.1	514.4	512.8	160.0	94.0	140.0	74.0	-
24	915.0	68.3	63.9	692.2	13.0		616.0	616.0	614.4	167.0	105.0	152.0	83.0	-

Stainless Steel Flanges, ASME

B16.5 Class 300 Pipe Flange

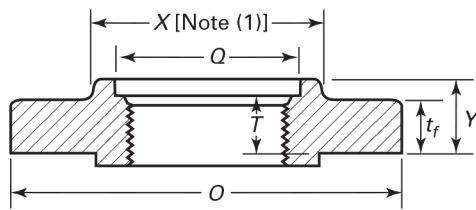
55

Diam- eter Hub at Bevel	Hub Diam- eter	Drilling			Approximate Weight										Nominal Pipe Size
		Bolt Circle Diam- eter Hole	Diameter of Bolt Holes	Num- ber of Bolt	Welding Neck		Slip On Threaded		Lap Joint		Blind		Socket Welding		
					Kg	lb	Kg	lb	Kg	lb	Kg	lb	Kg	lb	
A	X														
21.3	38.0	66.7	15.9	4	0.78	1.7	0.62	1.40	0.61	1.30	0.62	1.40	0.62	1.40	1/2
26.7	48.0	82.6	19.1	4	1.34	3.0	1.15	2.50	1.15	2.50	1.16	2.50	1.19	2.60	3/4
33.4	54.0	88.9	19.1	4	1.64	3.6	1.39	3.10	1.38	3.00	1.42	3.00	1.44	3.20	1
42.2	64.0	98.4	19.1	4	2.06	4.5	1.67	3.70	1.66	3.70	1.79	3.90	1.73	3.80	1 1/4
48.3	70.0	114.3	22.2	4	3.06	6.7	2.53	5.60	2.52	5.60	2.68	5.90	2.62	5.80	1 1/2
60.3	84.0	127.0	19.1	8	3.40	7.5	2.80	6.20	2.79	6.20	3.09	6.80	2.94	6.50	2
73.0	100.0	149.2	22.2	8	5.31	11.7	4.25	9.40	4.22	9.30	4.75	10.50	4.49	9.90	2 1/2
88.9	117.0	168.3	22.2	8	7.32	16.1	5.81	12.80	5.78	12.70	6.79	14.90	6.20	13.70	3
101.6	133.0	184.2	22.2	8	8.17	18.0	7.72	17.00	7.72	17.00	9.53	21.00			3 1/2
114.3	146.0	200.0	22.2	8	11.30	24.9	10.13	22.30	10.07	22.20	12.00	26.50			4
141.3	178.0	235.0	22.2	8	15.12	33.3	12.58	27.70	12.52	27.60	15.96	35.20			5
168.3	206.0	269.9	22.2	12	19.68	43.4	16.04	35.40	15.95	35.20	21.20	46.70			6
219.1	260.0	330.2	25.4	12	30.48	67.2	24.50	54.00	24.37	53.70	34.60	76.30			8
273.0	321.0	387.4	28.6	16	43.74	96.4	34.16	75.30	39.92	88.00	55.34	122.00			10
323.8	375.0	450.8	31.8	16	64.41	142.0	51.26	113.00	58.70	129.40	78.90	174.00			12
355.6	425.0	514.4	31.8	20	88.30	94.7	72.12	159.00	83.46	184.00	107.05	236.00			14
406.4	483.0	571.5	34.9	20	112.94	249.0	90.40	199.30	106.14	234.00	139.25	307.00			16
457.0	533.0	628.6	34.9	24	138.34	305.0	109.00	240.30	133.95	295.30	176.90	396.00			18
508.0	587.0	685.8	34.9	24	167.37	369.0	136.00	300.00	157.65	347.60	223.17	492.00			20
610.0	702.0	812.8	41.3	24	235.41	519.0	204.00	449.70	240.40	530.00	342.00	754.00			24

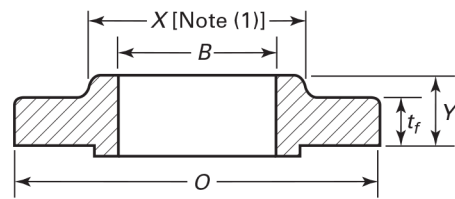
Stainless Steel Flanges, ASME

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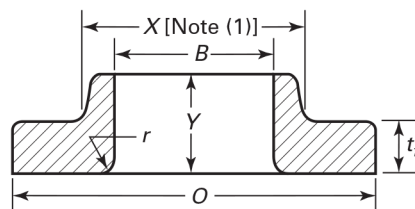
B16.5 Class 400 Pipe Flange



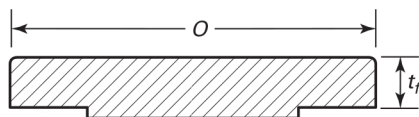
Threaded



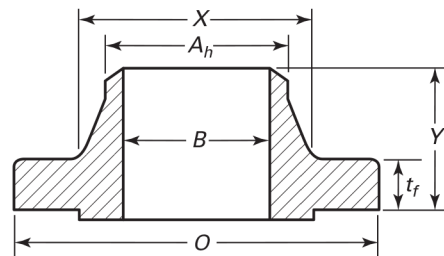
Slip-On Welding



Lapped



Blind



Welding Neck

Stainless Steel Flanges, ASME

B16.5 Class 400 Pipe Flange

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Nominal Pipe Size	Outside Diam- eter	Thick- ness	Raised Face Di- ameter	Corner Radius of Bore of Lap Joint	Bore				Length thru Hub			Thread Length Threaded Flange (Min)
					Welding Neck Socket Welding	Slip-On	Lap Joint	Diameter Counter Bore Threaded	Welding Neck	Slip-Thread- ed Socket Welding	Lap Joint	
	0	C	R	r	B1	B2	B3	Q	Y1	Y2	Y3	T
1/2	95.0	14.3	34.9	3.0	To be specified by purchaser	22.2	22.9	23.6	52.0	22.0	22.0	16.0
3/4	115.0	15.9	42.9	3.0		27.7	28.2	29.0	57.0	25.0	25.0	16.0
1	125.0	17.5	50.8	3.0		34.5	34.9	35.8	62.0	27.0	27.0	18.0
1 1/4	135.0	20.7	63.5	5.0		43.2	43.7	44.4	67.0	29.0	29.0	21.0
1 1/2	155.0	22.3	73.0	6.0		49.5	50.0	50.6	70.0	32.0	32.0	23.0
2	165.0	25.4	92.1	8.0		61.9	62.5	63.5	73.0	37.0	37.0	29.0
2 1/2	190.0	28.6	104.8	8.0		74.6	75.4	76.2	79.0	41.0	41.0	32.0
3	210.0	31.8	127.0	10.0		90.7	91.4	92.2	83.0	46.0	46.0	35.0
3 1/2	230.0	35.0	139.7	10.0		103.4	104.1	104.9	86.0	49.0	49.0	40.0
4	255.0	35.0	157.2	11.0		116.1	116.8	117.6	89.0	51.0	51.0	37.0
5	280.0	38.1	185.7	11.0		143.8	144.5	144.4	102.0	54.0	54.0	43.0
6	320.0	41.3	215.9	13.0		170.7	171.4	171.4	103.0	57.0	57.0	46.0
8	380.0	47.7	269.9	13.0		221.5	222.2	222.2	117.0	68.0	68.0	51.0
10	445.0	54.0	323.8	13.0		276.2	277.4	276.2	124.0	73.0	102.0	56.0
12	520.0	57.2	381.0	13.0		327.0	328.2	328.6	137.0	79.0	108.0	61.0
14	585.0	60.4	412.8	13.0		359.2	360.2	360.4	149.0	84.0	117.0	64.0
16	650.0	63.5	469.9	13.0		410.5	411.2	411.2	152.0	94.0	127.0	69.0
18	710.0	66.7	533.4	13.0		461.8	462.3	462.0	165.0	98.0	137.0	70.0
20	775.0	69.9	584.2	13.0		513.1	514.4	512.8	168.0	102.0	146.0	74.0
24	915.0	76.2	692.2	13.0		616.0	616.0	614.4	175.0	114.0	159.0	83.0

Stainless Steel Flanges, ASME

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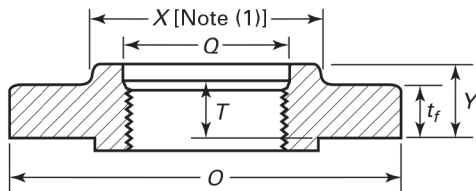
B16.5 Class 400 Pipe Flange

Diameter Hub at Bevel	Hub Di- ameter	Drilling			Approximate Weight								Nominal Pipe Size
		Bolt Circle Diameter Hole	Diameter of Bolt Holes	Number of Bolt	Welding Neck		Slip On Threaded		Lap Joint		Blind		
A	X				Kg	lb	Kg	lb	Kg	lb	Kg	lb	
21.3	38.0	66.7	15.9	4	0.90	2.0	0.91	2.00	0.80	1.80	0.91	2.00	1/2
26.7	48.0	82.6	19.1	4	1.59	3.5	1.40	3.00	1.36	3.00	1.40	3.00	3/4
33.4	54.0	88.9	19.1	4	1.90	4.0	1.70	3.70	1.59	3.50	1.81	4.00	1
42.2	64.0	98.4	19.1	4	2.49	5.5	2.27	5.00	2.04	4.50	2.40	5.30	1 1/4
48.3	70.0	114.3	22.2	4	3.63	8.0	3.10	6.80	2.96	6.50	3.40	7.50	1 1/2
60.3	84.0	127.0	19.1	8	4.54	10.0	3.63	8.00	3.63	8.00	4.40	9.70	2
73.0	100.0	149.2	22.2	8	6.35	14.0	5.44	12.00	4.99	11.00	6.80	15.00	2 1/2
88.9	117.0	168.3	22.2	8	8.10	18.0	7.26	16.00	6.35	14.00	8.90	19.60	3
101.6	133.0	184.2	25.4	8	11.80	26.0	9.53	21.00	9.08	20.00	13.17	29.00	3 1/2
114.3	146.0	200.0	25.4	8	13.61	30.0	10.89	24.00	9.98	22.00	14.40	31.70	4
141.3	178.0	235.0	25.4	8	17.69	39.0	14.07	31.00	13.15	29.00	19.50	43.00	5
168.3	206.0	269.9	25.4	12	22.23	49.0	19.98	44.00	16.78	37.00	27.67	61.00	6
219.1	260.0	330.0	28.6	12	35.38	78.0	30.40	67.00	26.16	59.00	45.36	100.00	8
273.0	321.0	387.4	31.8	16	49.89	110.0	41.28	91.00	43.09	95.00	68.00	150.00	10
323.8	375.0	450.8	34.9	16	72.57	160.0	59.02	130.00	68.95	152.00	98.00	216.00	12
355.6	425.0	514.4	34.9	20	105.69	233.0	81.72	180.00	95.25	210.00	131.66	290.00	14
406.4	483.0	571.5	38.1	20	133.36	294.0	106.69	235.00	127.00	280.00	167.00	368.00	16
457.0	533.0	628.6	38.1	24	158.90	350.3	129.39	285.30	156.47	345.00	206.57	455.40	18
508.0	587.0	685.8	41.3	24	193.00	425.5	152.00	335.00	190.51	420.00	261.00	575.40	20
610.0	702.0	812.8	47.6	24	281.48	620.5	231.54	510.50	278.96	615.00	395.00	870.80	24

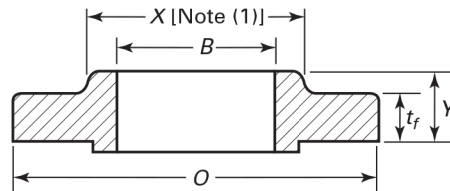
Stainless Steel Flanges, ASME

B16.5 Class 600 Pipe Flange

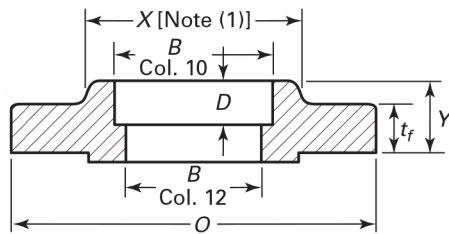
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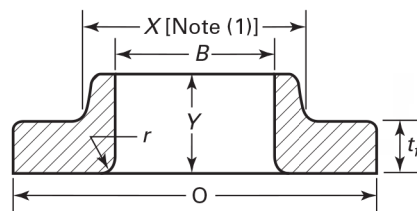
Threaded



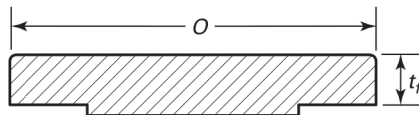
Slip-On Welding



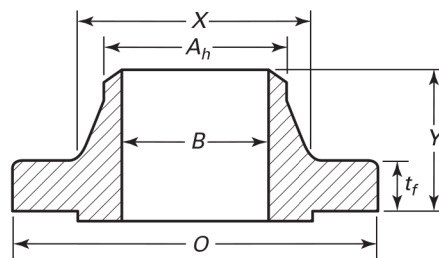
Socket Welding (NPS $1/2$ to 3 Only)



Lapped



Blind



Welding Neck

Stainless Steel Flanges, ASME

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B16.5 Class 600 Pipe Flange

Nominal Pipe Size	Outside Diameter	Thickness	Raised Face Di- ameter	Corner Radius of Bore of Lap Joint	Bore				Length thru Hub			Thread Length Threaded Flange (Min)	Depth of Socket
					Welding Neck Socket Welding	Slip-On Socket Welding	Lap Joint	Diameter Counter Bore Threaded	Welding Neck	Slip-On Threaded Socket Welding	Lap Joint		
	0	C	R	r	B1	B2	B3	Q	Y1	Y2	Y3	T	D
1/2	95.0	14.3	34.9	3.0	To be specified by purchaser	22.2	22.9	23.6	52.0	22.0	22.0	16.0	10.0
3/4	115.0	15.9	42.9	3.0		27.7	28.2	29.0	57.0	25.0	25.0	16.0	11.0
1	125.0	17.5	50.8	3.0		34.5	34.9	35.8	62.0	27.0	27.0	18.0	13.0
1 1/4	135.0	20.7	63.5	5.0		43.2	43.7	44.4	67.0	29.0	29.0	21.0	14.0
1 1/2	155.0	22.3	73.0	6.0		49.5	50.0	50.6	70.0	32.0	32.0	23.0	16.0
2	165.0	25.4	92.1	8.0		61.9	62.5	63.5	73.0	37.0	37.0	29.0	17.0
2 1/2	190.0	28.6	104.8	8.0		74.6	75.4	76.2	79.0	41.0	41.0	32.0	19.0
3	210.0	31.8	127.0	10.0		90.7	91.4	92.2	83.0	46.0	46.0	35.0	21.0
3 1/2	230.0	35.0	139.7	10.0		103.4	104.1	104.9	86.0	49.0	49.0	40.0	
4	275.0	35.0	157.2	11.0		116.1	116.8	117.6	102.0	54.0	54.0	42.0	
5	330.0	44.5	185.7	11.0		143.8	144.4	144.4	114.0	60.0	60.0	48.0	
6	355.0	47.7	215.9	13.0		170.7	171.4	171.4	117.0	67.0	67.0	51.0	
8	420.0	55.6	269.9	13.0		221.5	222.2	222.2	133.0	76.0	76.0	58.0	
10	510.0	63.5	323.8	13.0		276.2	277.4	276.2	152.0	86.0	111.0	66.0	
12	560.0	66.7	381.0	13.0		327.0	328.2	328.6	156.0	92.0	117.0	70.0	
14	605.0	69.9	412.8	13.0		359.2	360.2	360.4	165.0	94.0	127.0	74.0	
16	685.0	76.2	469.9	13.0		410.5	411.2	411.2	178.0	106.0	140.0	78.0	
18	745.0	82.6	533.4	13.0		461.8	462.3	462.0	184.0	117.0	152.0	80.0	
20	815.0	88.9	584.2	13.0		513.1	514.4	512.8	190.0	127.0	165.0	83.0	
24	940.0	101.6	692.2	13.0		616.0	616.0	614.4	203.0	140.0	184.0	93.0	

Stainless Steel Flanges, ASME

B16.5 Class 600 Pipe Flange

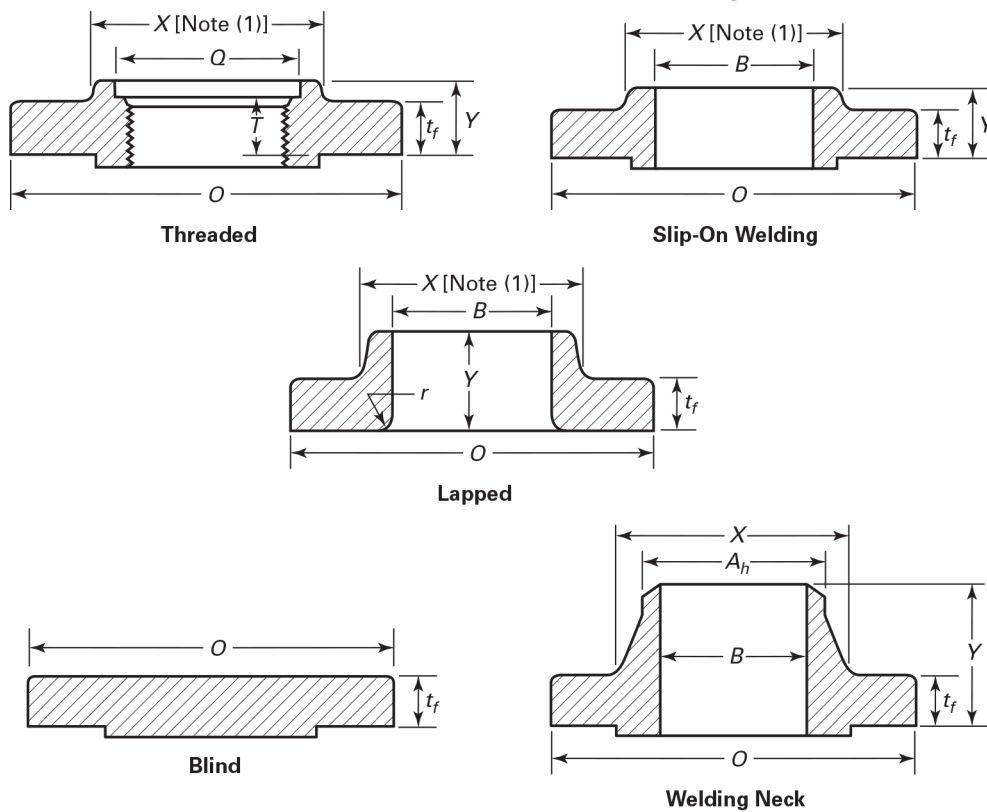
61

Diam- eter Hub at Bevel	Hub Di- ameter	Drilling			Approximate Weight										Nomi- nal Pipe Size
		Bolt Circle Diameter Hole	Diam- eter of Bolt Holes	Number of Bolt	Welding Neck		Slip On Threaded		Lap Joint		Blind		Socket Weld- ing		
					Kg	lb	Kg	lb	Kg	lb	Kg	lb	Kg	lb	
A	X														
21.3	38.0	66.7	15.9	4	0.90	2.0	0.91	2.00	0.80	1.80	0.91	2	0.91	2	0.5
26.7	48.0	82.6	19.1	4	1.59	3.5	1.40	3.00	1.36	3.00	1.4	3	1.36	3	0.75
33.4	54.0	88.9	19.1	4	1.90	4.0	1.70	3.70	1.59	3.50	1.81	4	1.81	4	1
42.2	64.0	98.4	19.1	4	2.49	5.5	2.27	5.00	2.04	4.50	2.4	5.3	2.6	5.7	1.25
48.3	70.0	114.3	22.2	4	3.63	8.0	3.10	6.80	2.96	6.50	3.4	7.5	3.18	7	1.5
60.3	84.0	127.0	19.1	8	4.54	10.0	3.63	8.00	3.63	8.00	4.4	9.7	3.9	8.6	2
73.0	100.0	149.2	22.2	8	6.35	14.0	5.44	12.00	4.99	11.00	6.8	15	5.9	13	2.5
88.9	117.0	168.3	22.2	8	8.10	18.0	7.26	16.00	6.35	14.00	8.9	19.6	7.4	16.3	3
101.6	133.0	184.2	25.4	8	11.80	26.0	9.53	21.00	9.08	20.00	13.17	29			3.5
114.3	152.0	215.9	25.4	8	16.78	37.0	14.97	33.00	14.60	31.00	18.6	41			4
141.3	189.0	266.7	28.6	8	30.87	68.0	28.50	62.80	27.50	60.60	30.84	68			5
168.3	222.0	292.1	28.6	12	36.77	80.0	36.32	80.00	35.38	78.00	38	83.8			6
219.1	273.0	349.2	31.8	12	50.80	112.0	44.00	97.00	50.80	112.00	62.2	137			8
273.0	343.0	431.8	34.9	16	86.26	190.0	76.20	168.00	74.00	163.00	102	224.9			10
323.8	400.0	489.0	34.9	20	102.51	226.0	97.52	215.00	108.56	240.00	132	291			12
355.6	432.0	527.0	38.1	20	121.56	268.0	102.00	224.80	111.00	244.70	158	348.3			14
406.4	495.0	603.2	41.3	20	177.06	290.0	149.82	330.20	165.71	365.30	224.73	495.4			16
457.0	546.0	654.0	44.5	20	215.65	475.4	180.10	412.30	294.00	427.70	285	628.3			18
508.0	610.0	723.9	44.5	24	267.86	590.5	231.54	510.50	258.78	570.50	365	804.7			20
610.0	718.0	838.2	50.8	24	372.00	820.0	330.00	725.50	362.00	798.00	533.45	1176			24

Stainless Steel Flanges, ASME

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B16.5 Class 900 Pipe Flange



Stainless Steel Flanges, ASME

B16.5 Class 900 Pipe Flange

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Nominal Pipe Size	Outside Diameter	Thickness	Raised Face Diameter	Corner Radius of Bore of Lap Joint	Bore				Length thru Hub		
					Welding Neck	Slip-On	Lap Joint	Diameter Counter Bore Threaded	Welding Neck	Slip-On Threaded	Lap Joint
	0	C	R	r	B1	B2	B3	Q	Y1	Y2	Y3
1/2	120.0	22.3	34.9	3.0	To be specified by purchaser	22.2	22.9	23.6	60.0	32.0	32.0
3/4	130.0	25.4	42.9	3.0		27.7	28.2	29.0	70.0	35.0	35.0
1	150.0	28.6	50.8	3.0		34.5	34.9	35.8	73.0	41.0	41.0
1 1/4	160.0	28.6	63.5	5.0		43.2	43.7	44.4	73.0	41.0	41.0
1 1/2	180.0	31.8	73.0	6.0		49.5	50.0	50.6	83.0	44.0	44.0
2	215.0	38.1	92.1	8.0		61.9	62.5	63.5	102.0	57.0	57.0
2 1/2	245.0	41.3	104.8	8.0		74.6	75.4	76.2	105.0	64.0	64.0
3	240.0	38.1	127.0	10.0		90.7	91.4	92.2	102.0	54.0	54.0
4	290.0	44.5	157.2	11.0		116.1	116.8	117.6	114.0	70.0	70.0
5	350.0	50.8	185.7	11.0		143.8	144.4	144.4	127.0	79.0	79.0
6	380.0	55.6	215.9	13.0		170.7	171.4	171.4	140.0	86.0	86.0
8	470.0	63.5	269.9	13.0		221.5	222.2	222.2	162.0	102.0	114.0
10	545.0	69.9	323.8	13.0		276.2	277.4	276.2	184.0	108.0	127.0
12	610.0	79.4	381.0	13.0		327.0	328.2	328.6	200.0	117.0	143.0
14	640.0	85.8	412.8	13.0		359.2	360.2	360.4	213.0	130.0	156.0
16	705.0	88.9	469.9	13.0		410.5	411.2	411.2	216.0	133.0	165.0
18	785.0	101.6	533.4	13.0		461.8	462.3	462.0	229.0	152.0	190.0
20	855.0	108.0	584.2	13.0		513.1	514.4	512.8	248.0	159.0	210.0
24	1040.0	139.7	692.2	13.0		616.0	616.0	614.4	292.0	203.0	276.0

Stainless Steel Flanges, ASME

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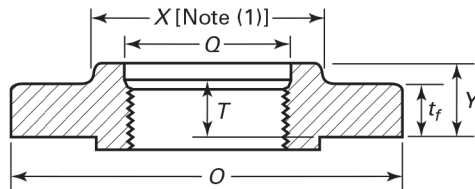
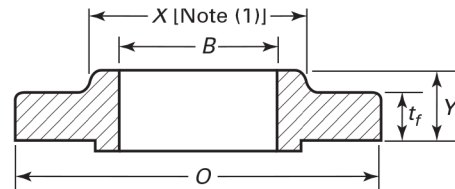
B16.5 Class 900 Pipe Flange

Thread Length Threaded Flange (Min)	Diameter Hub at Bevel	Hub Diameter	Drilling			Approximate Weight								Nominal Pipe Size
			Bolt Circle Diameter Hole	Diameter of Bolt Holes	Number of Bolt	Welding Neck		Slip On Threaded		Lap Joint		Blind		
						Kg	lb	Kg	lb	Kg	lb	Kg	lb	
23.0	21.3	38.0	82.6	22.2	4	2.10	4.6	1.80	4.00	1.80	4.00	1.90	4	0.5
26.0	26.7	44.0	88.9	22.2	4	2.72	6.0	2.27	5.00	2.27	5.00	2.72	6	0.75
29.0	33.4	52.0	101.6	25.4	4	3.86	8.5	3.40	7.50	3.40	7.50	4.08	9	1
31.0	42.2	64.0	111.1	25.4	4	4.54	10.00	4.10	9.00	4.09	10.80	4.30	9.5	1.25
32.0	48.3	70.0	123.8	28.6	4	5.90	13.00	5.45	12.00	5.40	11.90	5.90	13	1.5
39.0	60.3	105.0	165.1	25.4	8	10.89	24.00	10.50	23.00	9.53	21.00	11.30	25	2
48.0	73.0	124.0	190.5	28.6	8	16.34	36.00	15.80	34.80	13.15	29.00	16.00	35.3	2.5
42.0	88.9	127.0	190.5	25.4	8	15.00	33.00	11.80	26.00	11.34	25.00	13.17	29	3
48.0	114.3	159.0	235.0	31.8	8	23.13	51.00	23.20	51.00	22.60	48.50	24.50	54	4
54.0	141.3	190.0	279.4	34.9	8	38.50	84.90	37.65	83.00	36.74	81.00	39.46	87	5
58.0	168.3	235.0	317.5	31.8	12	49.89	110.00	48.30	106.50	47.50	104.70	51.50	113.5	6
64.0	219.1	298.0	393.7	38.1	12	79.45	175.00	75.00	166.30	86.00	189.60	59.00	106.2	8
72.0	273.0	368.0	469.9	38.1	16	118.04	260.00	111.13	245.00	125.64	277.00	131.54	290	10
77.0	323.8	419.0	533.4	38.1	20	157.00	346.00	146.00	321.80	167.00	368.00	187.00	412.3	12
83.0	355.6	451.0	558.8	41.3	20	181.60	400.4	172.36	380.00	180.07	397.00	224.07	494	14
86.0	406.4	508.0	616.0	44.5	20	224.73	495.5	192.95	425.40	211.11	465.40	272.40	600.5	16
89.0	457.0	565.0	685.8	50.8	20	308.72	680.6	272.40	600.50	295.10	650.60	385.90	850.8	18
93.0	508.0	622.0	749.3	54.0	20	376.82	830.7	331.42	730.60	367.74	810.70	488.00	1076	20
102.0	610.0	749.0	901.7	66.7	20	685.00	1510.0	632.00	1393.30	700.00	1543.00	905.00	1995	24

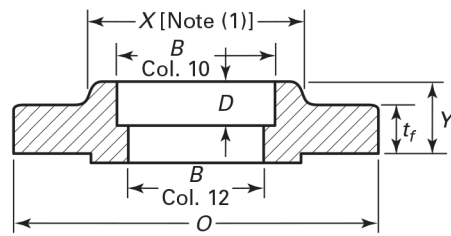
Stainless Steel Flanges, ASME

B16.5 Class 1500 Pipe Flange

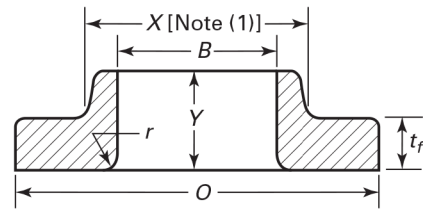
65

**Threaded (NPS 1½ to 2½ Only)**

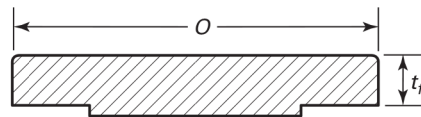
Slip-On Welding (NPS 1½ to 2½ Only)



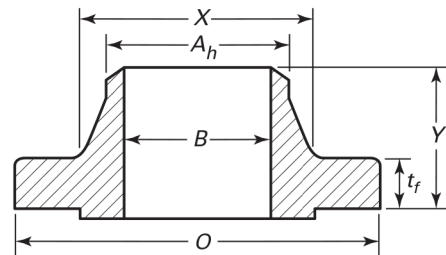
Socket Welding (NPS 1½ to 2½ Only)



Lapped



Blind



Welding Neck

Stainless Steel Flanges, ASME

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B16.5 Class 1500 Pipe Flange

Nomi- nal Pipe Size	Outside Diam- eter	Thickness	Raised Face Di- ameter	Corner Radius of Bore of Lap Joint	Bore				Length thru Hub			Thread Length Threaded Flange (Min)	Depth of Socket
					Welding Neck Socket Weld- ing	Slip-On Sockets Weld- ing	Lap Joint	Diameter Counter Bore Threaded	Welding Neck	Slip-On Threaded Socket Welding	Lap Joint		
	0	C	R	r	B1	B2	B3	Q	Y1	Y2	Y3	T	D
1/2	120	22.3	34.9	3	To be speci- fied by pur- chaser	22.2	22.9	23.6	60	32	32	23	10
3/4	130	25.4	42.9	3		27.7	28.2	29	70	35	35	26	11
1	150	28.6	50.8	3		34.5	34.9	35.8	73	41	41	29	13
1 1/4	160	28.6	63.5	5		43.2	43.7	44.4	73	41	41	31	14
1 1/2	180	31.8	73	6		49.5	50	50.6	83	44	44	32	16
2	215	38.1	92.1	8		61.9	62.5	63.5	102	57	57	39	17
2 1/2	245	41.3	104.8	8		74.6	75.4	76.2	105	64	64	48	19
3	265	47.7	127	10			91.4		117		73		
4	310	54	157.2	11			116.8		124		90		
5	375	73.1	185.7	11			144.4		156		105		
6	395	82.6	215.9	13			171.4		171		119		
8	485	92.1	269.9	13			222.2		213		143		
10	585	108	323.8	13			277.4		254		178		
12	675	123.9	381	13			328.2		283		219		
14	750	133.4	412.8	13			360.2		298		241		
16	825	146.1	469.9	13			411.2		311		260		
18	915	162	533.4	13			462.3		327		276		
20	985	177.8	584.2	13			514.4		356		292		
24	1170	203.2	692.2	13			616		406		330		

Stainless Steel Flanges, ASME

B16.5 Class 1500 Pipe Flange

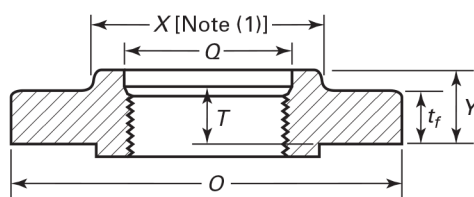
67

Diameter Hub at Bevel	Hub Diam- eter	Drilling			Approximate Weight										Nominal Pipe Size
		Bolt Circle Diameter Hole	Diam- eter of Bolt Holes	Number of Bolt	Welding Neck		Slip On Threaded		Lap Joint		Blind		Socket Welding		
A	X				Kg	lb	Kg	lb	Kg	lb	Kg	lb	Kg	lb	
21.3	38	82.6	22.2	4	2.1	4.6	1.8	4	1.8	4	1.9	4	1.81	4	1/2
26.7	44	88.9	22.2	4	2.72	6	2.27	5	2.27	5	2.72	6	2.81	6.2	3/4
33.4	52	101.6	25.4	4	3.86	8.5	3.4	7.5	3.4	7.5	4.08	9	3.61	8	1
42.2	64	111.1	25.4	4	4.54	10	4.1	9	4.09	10.8	4.3	9.5	4.99	11	1 1/4
48.3	70	123.8	28.6	4	5.9	13	5.45	12	5.4	11.9	5.9	13	6.76	14.9	1 1/2
60.3	105	165.1	25.4	8	10.89	24	10.5	23	9.53	21	11.3	25	10.89	24	2
73	124	190.5	28.6	8	16.34	36	15.8	34.8	13.15	29	16	35.3	16.34	36	2 1/2
88.9	133	203.2	31.8	8	21.79	48		48	17.24	38	21.79	48			3
114.3	162	241.3	34.9	8	31.3	69		68.4	29	63.9	33.11	73			4
141.3	197	292.1	41.3	8	59.02	130		129.6	54	119	60	132.3			5
168.3	229	317.5	38.1	12	74.91	165		163	62	136.7	75	165.3			6
219.1	292	393.7	44.5	12	123.83	273		258	129.73	236	136.98	302			8
273	368	482.6	50.8	12	205.93	454		435.4	220.19	485.4	229.97	507			10
323.8	451	571.5	54	16	306	674.6		582	286.02	630.6	316	696.7			12
355.6	495	635	60.3	16	416	917			404.06	890.8	421	928			14
406.4	552	704.8	66.7	16	567.5	1250			522.1	1151	559	1232.7			16
457	597	774.7	73	16	736	1622.6			669.65	1476.3	761	1677.7			18
508	641	831.8	79.4	16	929	2048			805.85	1776.6	976	2131.8			20
610	762	990.6	92.1	16	1504	3315.7			1285.55	2834	1568	3456.8			24

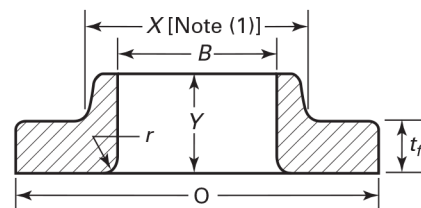
Stainless Steel Flanges, ASME

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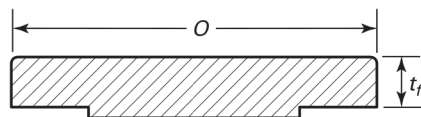
B16.5 Class 2500 Pipe Flange



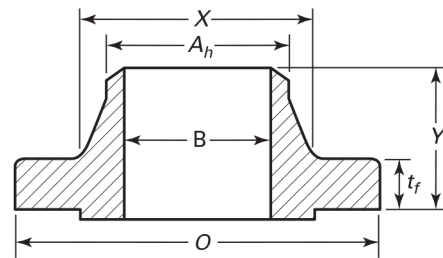
Threaded
(NPS $1/2$ to $2 1/2$ Only)



Lapped



Blind



Welding Neck

Stainless Steel Flanges, ASME

B16.5 Class 2500 Pipe Flange

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Nominal Pipe Size	Outside Diameter	Thickness	Raised Face Di- ameter	Corner Radius of Bore of Lap Joint	Bore			Length thru Hub			Thread Length Threaded Flange (Min)	Diam- eter Hub at Bevel
					Welding Neck Socket Weld- ing	Lap Joint	Diameter Counter Bore Threaded	Welding Neck	Threated	Lap Joint		
	0	C	R	r	B1	B3	Q	Y1	Y2	Y3	T	A
1/2	135	30.2	34.9	3	To be specified by purchaser	22.9	23.6	73	40	40	29	21.3
3/4	140	31.8	42.9	3		28.2	29	79	43	43	32	26.7
1	160	35	50.8	3		34.9	35.8	89	48	48	35	33.4
1 1/4	185	38.1	63.5	5		43.7	44.4	95	52	52	39	42.2
1 1/2	205	44.5	73	6		50	50.6	111	60	60	45	48.3
2	235	50.9	92.1	8		62.5	63.5	127	70	70	51	60.3
2 1/2	265	57.2	104.8	10		75.4	76.2	143	79	79	58	73
3	305	66.7	127	10		91.4		168		92		88.9
4	355	76.2	157.2	11		116.8		190		108		114.3
5	420	92.1	185.7	11		144.4		229		130		141.3
6	485	108	215.9	13		171.4		273		152		168.3
8	550	127	269.9	13		222.2		318		178		219.1
10	675	165.1	323.8	13		277.4		419		229		273
12	760	184.2	381	13		328.2		464		254		323.8

Stainless Steel Flanges, ASME

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B16.5 Class 2500 Pipe Flange

Hub Di- ameter	Drilling			Approximate Weight								Nominal Pipe Size
	Bolt Circle Diameter Hole	Diam- eter of Bolt Holes	Number of Bolt	Welding Neck		Slip On Threaded		Lap Joint		Blind		
X				Kg	lb	Kg	lb	Kg	lb	Kg	lb	
43	88.9	22.2	4	3.18	7	3.18	7	3	6.6	3.18	7	1/2
51	95.2	22.2	4	4.08	9	4.08	9	3.63	8	4.54	10	3/4
57	108	25.4	4	5.45	12	5.44	12	4.99	11	5.44	12	1
73	130.2	28.6	4	9.07	20	8.16	18	7.26	16	8.16	18	1 1/4
79	146	31.8	4	11.35	25	11	24.3	9.99	22	10.44	23	1 1/2
95	171.4	28.6	8	19.07	42	17.25	38	16.8	37	17.71	39	2
114	196.8	31.8	8	23.61	52	24.97	55	24.06	53	25.42	56	2 1/2
133	228.6	34.9	8	42.68	94			36.32	80	39.04	86	3
165	273	41.3	8	64	141			54.48	120	60.38	133	4
203	323.8	47.6	8	110.68	244			92.53	204	101.15	223	5
235	368.3	54	8	176.46	378			143.01	315.3	156.63	345.3	6
305	438.2	54	12	261.27	576			213.38	470.4	240.62	530.5	8
375	539.8	66.7	12	484.43	1068			408.6	900.8	465.36	1026	10
441	619.1	73	12	692.35	1526.3			572.95	1263	664.06	1464	12



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