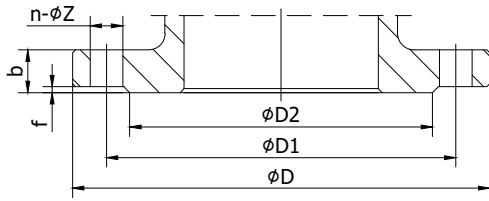
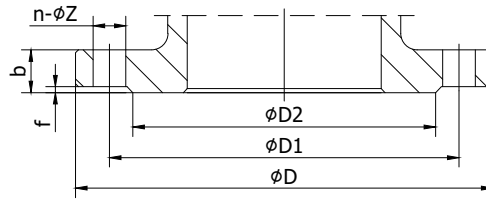


JIS B 2220 10K Flanges



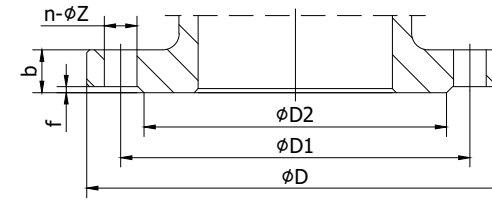
DN	NPS	D	D1	D2	b	f	n-Z
15	1/2"	95	70	51	12	1	4-15
20	3/4"	100	75	56	14	1	4-15
25	1"	125	90	67	14	1	4-19
32	1-1/4"	135	100	76	16	2	4-19
40	1-1/2"	140	105	81	16	2	4-19
50	2"	155	120	96	16	2	4-19
65	2-1/2"	175	140	116	18	2	4-19
80	3"	185	150	126	18	2	8-19
100	4"	210	175	151	18	2	8-19
125	5"	250	210	182	20	2	8-23
150	6"	280	240	212	22	2	8-23
200	8"	330	290	262	22	2	12-23
250	10"	400	355	324	24	2	12-25
300	12"	445	400	368	24	3	16-25

JIS B 2220 16K Flanges



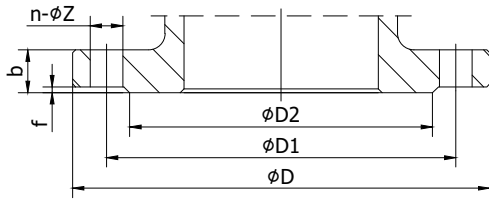
DN	NPS	D	D1	D2	b	f	n-Z
15	1/2"	95	70	51	12	1	4-15
20	3/4"	100	75	56	14	1	4-15
25	1"	125	90	67	14	1	4-19
32	1-1/4"	135	100	76	16	2	4-19
40	1-1/2"	140	105	81	16	2	4-19
50	2"	155	120	96	16	2	8-19
65	2-1/2"	175	140	116	18	2	8-19
80	3"	200	160	132	20	2	8-23
100	4"	225	185	160	22	2	8-23
125	5"	270	225	195	22	2	8-25
150	6"	305	260	230	24	2	12-25
200	8"	350	305	275	26	2	12-25
250	10"	430	380	345	28	2	12-27
300	12"	480	430	395	30	3	16-27

JIS B 2220 20K Flanges



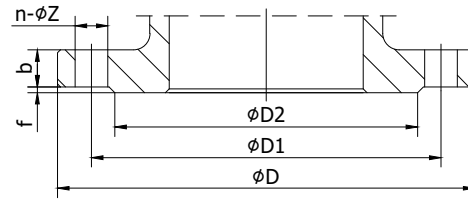
DN	NPS	D	D1	D2	b	f	n-Z
15	1/2"	95	70	51	14	1	4-15
20	3/4"	100	75	56	16	1	4-15
25	1"	125	90	67	16	1	4-19
32	1-1/4"	135	100	76	18	2	4-19
40	1-1/2"	140	105	81	18	2	4-19
50	2"	155	120	96	18	2	8-19
65	2-1/2"	175	140	116	20	2	8-19
80	3"	200	160	132	22	2	8-23
100	4"	225	185	160	24	2	8-23
125	5"	270	225	195	26	2	8-25
150	6"	305	260	230	28	2	12-25
200	8"	350	305	275	30	2	12-25
250	10"	430	380	345	34	2	12-27
300	12"	480	430	395	36	3	16-27

DIN 2543 PN16 Flanges



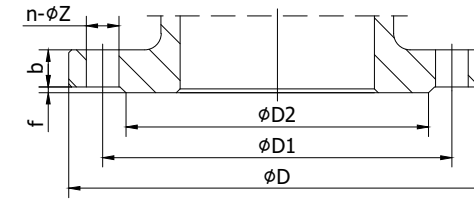
DN	NPS	D	D1	D2	b	f	n-Z
15	1/2"	95	65	45	16	2	4-14
20	3/4"	105	75	58	18	2	4-14
25	1"	115	85	68	18	2	4-14
32	1-1/4"	140	100	78	18	2	4-18
40	1-1/2"	150	110	88	18	3	4-18
50	2"	165	125	102	20	3	4-18
65	2-1/2"	185	145	122	18	3	4-18
80	3"	200	160	138	20	3	8-18
100	4"	220	180	158	20	3	8-18
125	5"	250	210	188	22	3	8-18
150	6"	285	240	212	22	3	8-22
200	8"	340	295	268	24	3	12-22
250	10"	405	355	320	26	3	12-26
300	12"	460	410	378	28	4	12-26

ASME B16.5 150LB Flanges



DN	NPS	D	D1	D2	b	f	n-Z
15	1/2"	90	60.3	34.9	8.0	2	4-16
20	3/4"	100	69.9	42.9	8.9	2	4-16
25	1"	110	79.4	50.8	9.6	2	4-16
32	1-1/4"	115	88.9	63.5	11.2	2	4-16
40	1-1/2"	125	98.4	73.0	12.7	2	4-16
50	2"	150	120.7	92.1	14.3	2	4-19
65	2-1/2"	180	139.7	104.8	15.9	2	4-19
80	3"	190	152.4	127.0	17.5	2	4-19
100	4"	230	190.5	157.2	22.3	2	8-19
125	5"	255	215.9	185.7	22.3	2	8-22
150	6"	280	241.3	215.9	23.9	2	8-22
200	8"	345	298.5	269.9	27	2	8-22
250	10"	405	362.0	323.8	28.6	2	12-25
300	12"	485	431.8	381.0	30.2	2	12-25

ASME B16.5 300LB Flanges



DN	NPS	D	D1	D2	b	f	n-Z
15	1/2"	95	66.7	34.9	12.7	2	4-16
20	3/4"	115	82.6	42.9	14.3	2	4-19
25	1"	125	88.9	50.8	15.9	2	4-19
32	1-1/4"	135	98.4	63.5	17.5	2	4-19
40	1-1/2"	155	114.3	73.0	19.1	2	4-22
50	2"	165	127.0	92.1	20.7	2	8-19
65	2-1/2"	190	149.2	104.8	23.9	2	8-22
80	3"	210	168.3	127.0	27.0	2	8-22
100	4"	255	200.0	157.2	30.2	2	8-22
125	5"	280	235.0	185.7	33.4	2	8-22
150	6"	320	269.9	215.9	35.0	2	12-22
200	8"	380	330.2	269.9	39.7	2	12-25
250	10"	445	387.4	323.8	46.1	2	16-29
300	12"	520	450.8	381.0	49.3	2	16-32