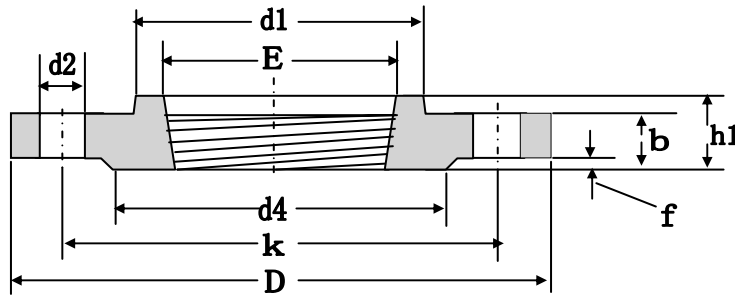


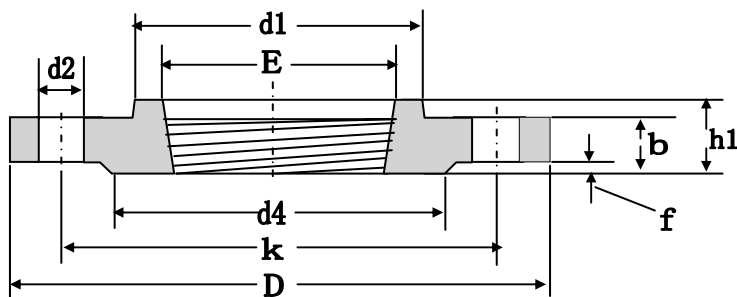
UNIT:mm

DN	Flange			Raised Face Dia		Length thru hub 2	Drilling			Dia of hub At Base	R1	Line	Weight
	Out Dia	Counter Bore	Thick				No.	Dia	Dia of bolt Circle				kgs/pc
	D	E	b	d4	f	h1		J	K	d1			
10	90	18.0	16	40	2	22	4	14	60	30	4	all	0.646
15	95	22.0	16	45	2	22	4	14	65	35	4	all	0.722
20	105	27.5	18	58	2	26	4	14	75	45	4	all	1.040
25	115	34.5	18	68	2	28	4	14	85	52	4	all	1.250
32	140	43.5	18	78	2	30	4	18	100	60	6	all	1.810
40	150	49.5	18	88	2	32	4	18	110	70	6	all	2.060
50	165	61.5	18	102	2	28	4	18	125	84	6	all	2.390
65	185	77.5	18	122	2	32	8	18	145	104	6	all	2.970
80	200	90.5	20	138	2	34	8	18	160	118	6	all	3.780
100	220	116.0	20	158	2	40	8	18	180	140	8	all	4.380
125	250	141.5	22	188	2	44	8	18	210	168	8	all	6.070
150	285	170.5	22	212	2	44	8	22	240	195	10	all	7.240
200	340	221.5	24	268	2	44	8	22	295	246	10	all	10.100
250	395	276.5	26	320	2	46	12	22	350	298	12	all	12.800
300	445	327.5	26	370	2	46	12	22	400	350	12	all	14.500
350	505	359.5	26	430	2	53	16	22	460	400	12	all	22.700
400	565	411.0	26	482	2	57	16	26	515	456	12	all	28.000
450	615	462.0	28	532	2	63	20	26	565	502	12	all	32.300
500	670	513.5	28	585	2	67	20	26	620	559	12	all	38.700
600	780	616.5	30	685	2	75	20	30	725	658	12	all	48.900



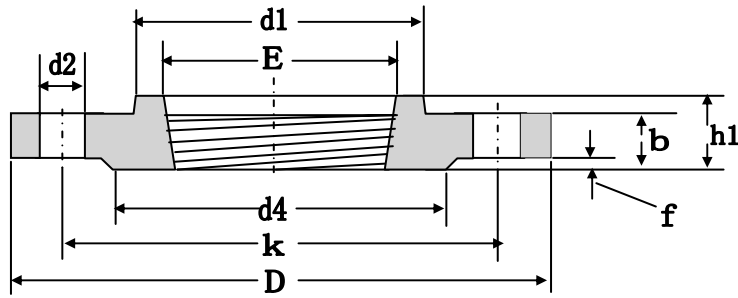
UNIT:mm

DN	Flange			Raised Face Dia		Length thru hub 2	Drilling			Dia of hub At Base	R1	Line	Weight
	Out Dia	Counter Bore	Thick				No.	Dia	Dia of bolt Circle				
	D	E	b	d4	f	h1		J	K	d1			kgs/pc
10	90	18.0	16	40	2	22	4	14	60	30	4	all	0.646
15	95	22.0	16	45	2	22	4	14	65	35	4	all	0.722
20	105	27.5	18	58	2	26	4	14	75	45	4	all	1.040
25	115	34.5	18	68	2	28	4	14	85	52	4	all	1.250
32	140	43.5	18	78	2	30	4	18	100	60	6	all	1.810
40	150	49.5	18	88	2	32	4	18	110	70	6	all	2.060
50	165	61.5	18	102	2	28	4	18	125	84	6	all	2.390
65	185	77.5	18	122	2	32	8	18	145	104	6	all	2.970
80	200	90.5	20	138	2	34	8	18	160	118	6	all	3.780
100	220	116.0	20	158	2	40	8	18	180	140	8	all	4.380
125	250	141.5	22	188	2	44	8	18	210	168	8	all	6.070
150	285	170.5	22	212	2	44	8	22	240	195	10	all	7.240
200	340	221.5	24	268	2	44	12	22	295	246	10	all	9.800
250	405	276.5	26	320	2	46	12	26	355	298	12	all	13.600
300	460	327.5	28	378	2	46	12	26	410	350	12	all	17.200
350	520	359.0	30	438	2	57	16	26	470	400	12	all	27.900
400	580	411.0	32	490	2	63	16	30	525	456	12	all	35.700
450	640	462.0	34	550	2	68	20	30	585	502	12	all	45.000
500	715	513.5	36	610	2	73	20	33	650	559	12	all	60.400
600	840	616.5	40	725	2	83	20	36	770	658	12	all	94.000



UNIT:mm

DN	Flange			Raised Face Dia		Length thru hub 2	Drilling			Dia of hub At Base	R1	Line	Weight
	Out Dia	Counter Bore	Thick				No.	Dia	Dia of bolt Circle				kgs/pc
	D	E	b	d4	f	h1		J	K	d1			
10	90	18.0	16	40	2	22	4	14	60	30	4	all	0.646
15	95	22.0	16	45	2	22	4	14	65	35	4	all	0.722
20	105	27.5	18	58	2	26	4	14	75	45	4	all	1.040
25	115	34.5	18	68	2	28	4	14	85	52	4	all	1.250
32	140	43.5	18	78	2	30	4	18	100	60	6	all	1.810
40	150	49.5	18	88	2	32	4	18	110	70	6	all	2.060
50	165	61.5	20	102	2	34	4	18	125	84	6	all	2.740
65	185	77.5	22	122	2	38	8	18	145	104	6	all	3.650
80	200	90.5	24	138	2	40	8	18	160	118	8	all	4.590
100	235	116.0	24	162	2	44	8	22	190	145	8	all	6.100
125	270	141.5	26	188	2	48	8	26	220	170	8	all	8.220
150	300	170.5	28	218	2	52	8	26	250	200	10	all	10.600
200	360	221.5	30	278	2	52	12	26	310	256	10	all	14.900
250	425	276.5	32	335	2	60	12	30	370	310	12	all	20.900
300	485	327.5	34	395	2	67	16	30	430	364	12	all	27.300
350	555	359.5	38	450	2	72	16	33	490	418	12	all	45.100
400	620	411.0	40	505	2	78	16	36	550	472	12	all	57.700
450	670	462.0	46	555	2	84	20	36	600	520	12	all	69.600
500	730	513.5	48	615	2	90	20	36	660	580	12	all	87.000
600	845	616.5	48	720	2	100	20	39	770	684	12	all	111.000



UNIT:mm

DN	Flange			Raised Face Dia		Length thru hub 2	Drilling			Dia of hub At Base	R1	Line	Weight
	Out Dia	Counter Bore	Thick				No.	Dia	Dia of bolt Circle				kgs/pc
	D	E	b	d4	f	h1		J	K	d1			
10	90	18.0	16	40	2	22	4	14	60	30	4	all	0.646
15	95	22.0	16	45	2	22	4	14	65	35	4	all	0.722
20	105	27.5	18	58	2	26	4	14	75	45	4	all	1.040
25	115	34.5	18	68	2	28	4	14	85	52	4	all	1.250
32	140	43.5	18	78	2	30	4	18	100	60	6	all	1.810
40	150	49.5	18	88	2	32	4	18	110	70	6	all	2.060
50	165	61.5	20	102	2	34	4	18	125	84	6	all	2.740
65	185	77.5	22	122	2	38	8	18	145	104	6	all	3.650
80	200	90.5	24	138	2	40	8	18	160	118	8	all	4.590
100	235	116.0	24	162	2	44	8	22	190	145	8	all	6.100
125	270	141.5	26	188	2	48	8	26	220	170	8	all	8.220
150	300	170.5	28	218	2	52	8	26	250	200	10	all	10.600
200	375	221.5	34	285	2	52	12	30	320	260	10	all	18.300
250	450	276.5	38	345	2	60	12	33	385	312	12	all	28.300
300	515	327.5	42	410	2	67	16	33	450	380	12	all	40.400
350	580	359.5	46	465	2	72	16	36	510	424	12	all	58.800
400	660	411.0	50	535	2	78	16	39	585	478	12	all	82.100
450	685	462.0	57	560	2	84	20	39	610	522	12	all	86.200
500	755	513.5	57	615	2	90	20	42	670	576	12	all	105.000
600	890	616.5	72	735	2	100	20	48	795	686	12	all	172.000