



DN	Outside Diameter	Diameter of bolt circle	Diameter of bolt hole	Bolting		Outside dia. of neck	Bore diameter	Flange Thickness			Diameter of shoulder	Length			Neck diameters		Raised Face	Corner radii	
	D	K	L	Number	Size	A	B1	C1	C2, C3	C4	G max	H1	H2	H3	N1	N2	d1	f1	R1
	01, 05, 11,12,13					11	01, 12	01,	11, 12, 13,	05	05	12, 13	11	11	11	12, 13			11, 12, 13
10	90	60	14	4	M12	17.2	18.0	14	16	16	—	22	35	6	28	30	40	2	4
15	95	65	14	4	M12	21.3	22.0	14	16	16	—	22	38	6	32	35	45	2	4
20	105	75	14	4	M12	26.9	27.5	16	18	18	—	26	40	6	40	45	58	2	4
25	115	85	14	4	M12	33.7	34.5	16	18	18	—	28	40	6	46	52	68	2	4
32	140	100	18	4	M16	42.4	43.5	18	18	18	—	30	42	6	56	60	78	2	6
40	150	110	18	4	M16	48.3	49.5	18	18	18	—	32	45	7	64	70	88	3	6
50	165	125	18	4	M16	60.3	61.5	20	20	20	—	34	48	8	75	84	102	3	6
65*	185	145	18	8	M16	76.1	77.5	22	22	22	55	38	52	10	90	104	122	3	6
80	200	160	18	8	M16	88.9	90.5	24	24	24	70	40	58	12	105	118	138	3	8
100	235	190	22	8	M20	114.3	116.0	26	24	24	90	44	65	12	134	145	162	3	8
125*	270	220	26	8	M24	139.7	141.5	28	26	26	115	48	68	12	162	170	188	3	8
150	300	250	26	8	M24	168.3	170.5	30	28	28	140	52	75	12	192	200	218	3	10
200	375	320	30	12	M27	219.1	221.5	36	34	36	190	52	88	16	244	260	285	3	10
250	450	385	33	12	M30	273.0	276.5	42	38	38	235	60	105	18	306	312	345	3	12
300	515	450	33	16	M30	323.9	327.5	52	42	42	285	67	115	18	362	380	410	4	12
350	580	510	36	16	M33	355.6	359.5	58	46	46	330	72	125	20	408	424	465	4	12
400	660	585	39	16	M36	406.4	411.0	65	50	50	380	78	135	20	462	478	535	4	12
450	685	610	39	20	M36	457.0	462.0	d	57	57	425	84	135	20	500	522	560	4	12
500	755	670	42	20	M39	508.0	513.5	d	57	57	475	90	140	20	562	576	615	4	12
600	890	795	48	20	M45	610.0	616.5	d	72	72	575	100	150	20	666	686	735	5	12