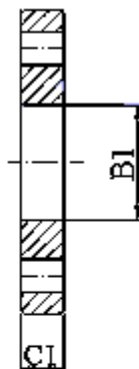
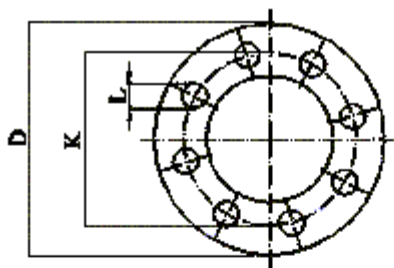


EN 1092-1 PN100 Flanges

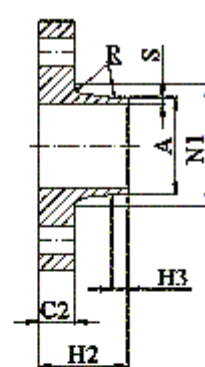
Flange type (typ) as in EN 1092-1	
01 (Plate [slip-on] flanges for welding)	13 (Hubbed threaded flanges)
02 (Loose plate flanges with weld-on plate collar)	21 (Integral flanges)
04 (Loose plate flanges with weld-neck collar)	32 (Weld-on plate collars)
05 (Blank [blind] flanges)	33 (Lapped pipe ends)
11 (Weld-neck flanges)	34 (Weld-neck collars)
12 (Hubbed slip-on flanges for welding)	



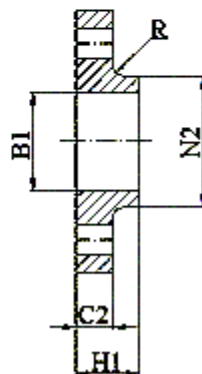
Typ 01



Typ 05



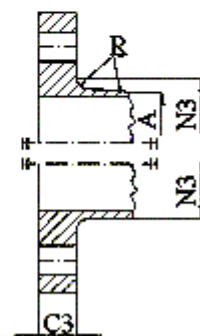
Typ 11



Typ 12



Typ 13



Typ 21

EN 1092-1 PN100 Flanges

Nominal diameter DN	Mating dimensions					Outside diameter of neck	Bore diameters			Flange thickness				Chamfer	Collar thickness	Diameter of shoulders	Length			Neck diameters			Corner radius	Neck thickness (preferred value)							
	Outside diameter	Diameter of bolt circle	Diameter of bolt hole	Bolting																											
				D	K		L	Num	Size	A	B1	B2	B3				C1	C2	C3	C4	E	F			G max.	H1	H2	H3	N1	N2	N3
	Flange Type																														
	01, 05, 11, 12, 13, 21						11 21*	01 12	-	-	01	11 12 13	21				05	-	-	05	12 13	11			11	11	12 13	21	11 12 13 21	11	
10	100	70	14	4	M12	17,2	18,0	-	-	20	20	20	20	-	-	-	28	45	6	32	40	40	4	1,8							
15	105	75	14	4	M12	21,3	22,0	-	-	20	20	20	20	-	-	-	28	45	6	34	43	45	4	2,0							
20	130	90	18	4	M16	26,9	27,5	-	-	22	22	22	22	-	-	-	30	48	8	42	52	50	4	2,6							
25	140	100	18	4	M16	33,7	34,5	-	-	24	24	24	24	-	-	-	32	58	8	52	60	61	4	2,6							
32	155	110	22	4	M20	42,4	43,5	-	-	24	24	26	24	-	-	-	32	60	8	62	68	68	6	2,9							
40	170	125	22	4	M20	48,3	49,5	-	-	26	26	28	26	-	-	-	34	62	10	70	80	82	6	2,9							
50	195	145	26	4	M24	60,3	61,3	-	-	28	28	30	28	-	-	-	36	68	10	90	95	96	6	3,2							
65	220	170	26	8	M24	76,1	77,5	-	-	30	30	34	30	-	-	45	40	76	12	108	118	118	6	3,6							
80	230	180	26	8	M24	88,9	90,5	-	-	34	32	36	32	-	-	60	44	78	12	120	130	128	8	4,0							
100	265	210	30	8	M27	114,3	116,0	-	-	36	36	40	36	-	-	80	52	90	12	150	158	150	8	5,0							
125	315	250	33	8	M30	139,7	141,5	-	-	42	40	40	40	-	-	105	56	105	12	180	188	185	8	6,3							
150	355	290	33	12	M30	168,3	170,5	-	-	48	44	44	44	-	-	130	60	115	12	210	225	216	10	7,1							
200	430	360	36	12	M33	219,1	221,5	-	-	60	52	52	52	-	-	180	-	130	16	278	-	278	10	10,0							
250	505	430	39	12	M36	273,0	276,5	-	-	72	60	60	60	-	-	210	-	157	18	340	-	340	12	12,5							
300	585	500	42	16	M39	323,9	327,5	-	-	84	68	68	68	-	-	260	-	170	18	400	-	407	12	14,2							
350	655	560	48	16	M45	355,6	359,5	-	-	95	74	74	74	-	-	300	-	189	20	460	-	460	12	16,0							
400	715	620	48	16	M45	406,4	411,0	-	-	406	-	78	-	-	-	-	-	-	-	-	-	518	-	-							
500	870	760	56	20	M52	508,0	543,5	-	-	128	-	94	-	-	-	-	-	-	-	-	-	630	-	-							

Note 1: Dimensions N1, N2 and N3 are measured at the intersection of the hub draft angle and the back face of the flange.