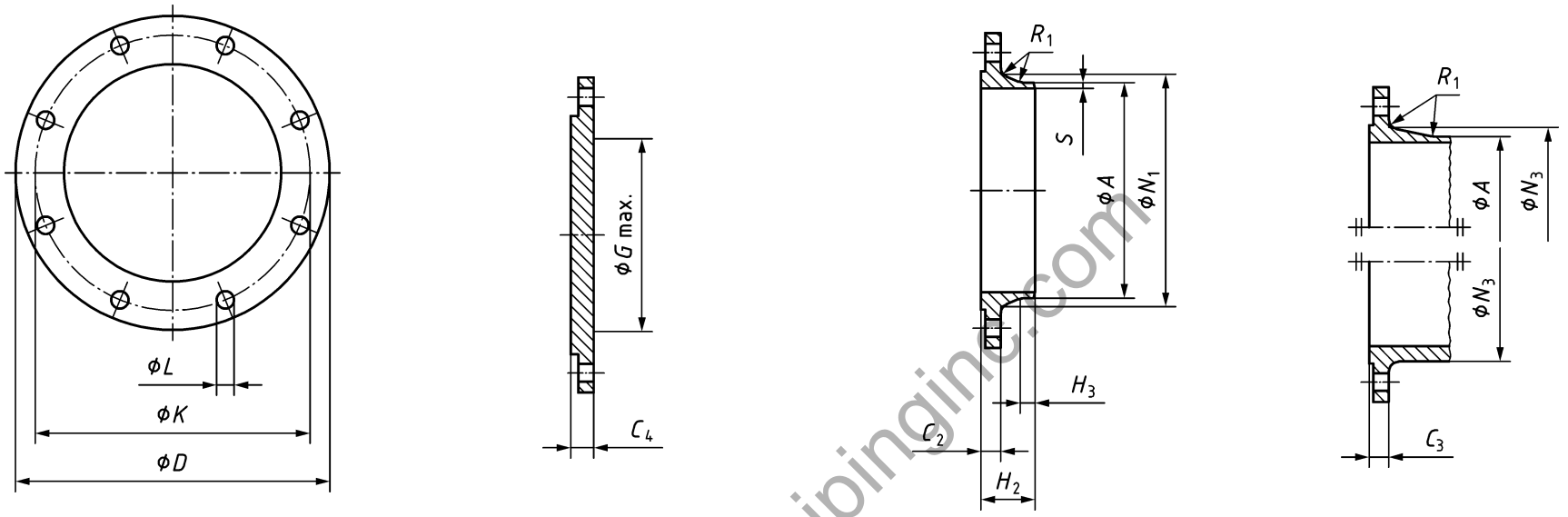

a) **b) Type 05** **c) Type 11** **d Type 21**

This diagram illustrates the arrangement but not necessarily the correct number of bolt holes. Refer to the column "Bolting Number" in Table 19 for the actual number.

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

Figure 14 — Dimensions of PN 250 flanges

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Table 19 — Dimensions of PN 250 flanges

Dimensions in millimetres

DN	Mating dimensions					Outside diameter of neck	Flange thickness			Centre portion	Length		Neck diameters		Corner radii		Wall thickness (see 5.6.1)
	Outside diameter	Diameter of bolt circle	Diameter of bolt hole	Bolting													
	D	K	L	Number	Size	A	C_4	C2	C_3	G_{max}	H_2	H_3	N_1	N_3	R_1		S
	Flange type																
	05, 11, 21					11 21 [a]	05	11	21	05	11	11	11	21	11	21	11
10 [b, c]	125	85	18	4	M16	—	—	—	24	—	—	—	—	46	—	4	—
15	130	90	18	4	M16	21,3	26	26	26	—	60	6	48	52	4	4	2,6
25	150	105	22	4	M20	33,7	28	28	28	—	65	8	60	63	4	4	3,6
40	185	135	26	4	M24	48,3	34	34	34	—	80	10	84	90	6	4	5,0
50	200	150	26	8	M24	60,3	38	38	38	—	85	10	95	102	6	5	6,3
65	230	180	26	8	M24	76,1	42	42	42	36	95	12	124	125	6	5	8,0
80	255	200	30	8	M27	101,6	46	46	46	46	102	12	136	142	8	6	11,0
100	300	235	33	8	M30	127,0	54	54	54	62	120	14	164	168	8	6	14,2
125	340	275	33	12	M30	152,4	60	60	60	86	140	16	200	207	8	6	16,0
150	390	320	36	12	M33	177,8	68	68	68	109	160	18	240	246	10	8	17,5
200	485	400	42	12	M39	244,5	85	82	82	150	190	25	305	314	10	8	25,0
250	585	490	48	16	M45	298,5	104	100	100	171	215	30	385	394	12	10	32,0
300 [b]	690	590	52	16	M48	—	—	—	120	—	—	—	—	480	—	10	—

[a] For flanges type 21 the outside hub diameter approximately corresponds to the outside pipe diameter and the nominal value dimensions A, N3 and R1 and their tolerances are included for guidance only.

[b] For flanges type 21.

[c] For flanges type 11 use flanges PN 320.

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