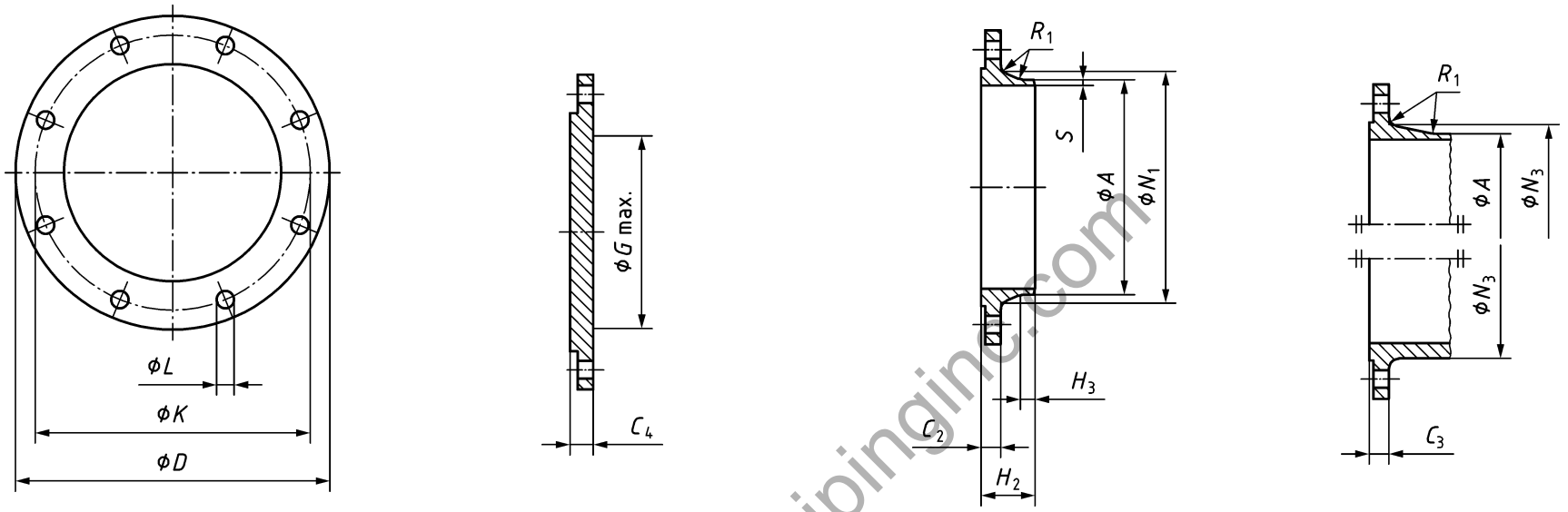

a) **b) Type 05** **c) Type 11** **d Type 21**

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 15 — Dimensions of PN 320 flanges

Table 20 — Dimensions of PN 320 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	C_2	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	125	85	18	4	M16	17,2	24	24	24	—	58	6	44	46	4	4	2,6
15	130	90	18	4	M16	21,3	26	26	26	—	60	6	48	52	4	4	3,2
25	160	115	22	4	M20	33,7	34	34	34	—	78	8	68	72	4	4	5,0
40	195	145	26	4	M24	48,3	38	38	38	—	88	10	92	96	6	5	6,3
50	210	160	26	8	M24	63,5	42	42	42	—	100	10	106	110	6	5	8,0
65	255	200	30	8	M27	88,9	51	51	51	—	120	12	138	137	6	6	11,0
80	275	220	30	8	M27	101,6	55	55	55	43	130	14	156	160	8	6	12,5
100	335	265	36	8	M33	133,0	65	65	65	58	145	16	186	190	8	8	16,0
125	380	310	36	12	M33	168,3	75	75	75	78	175	20	230	235	8	8	20,0
150	425	350	39	12	M36	193,7	84	84	84	94	195	25	265	266	10	10	25,0
200	525	440	42	16	M39	244,5	103	103	103	140	235	30	345	350	10	10	30,0
250	640	540	52	16	M48	323,9	125	125	125	190	300	40	428	432	12	10	40,0

[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.