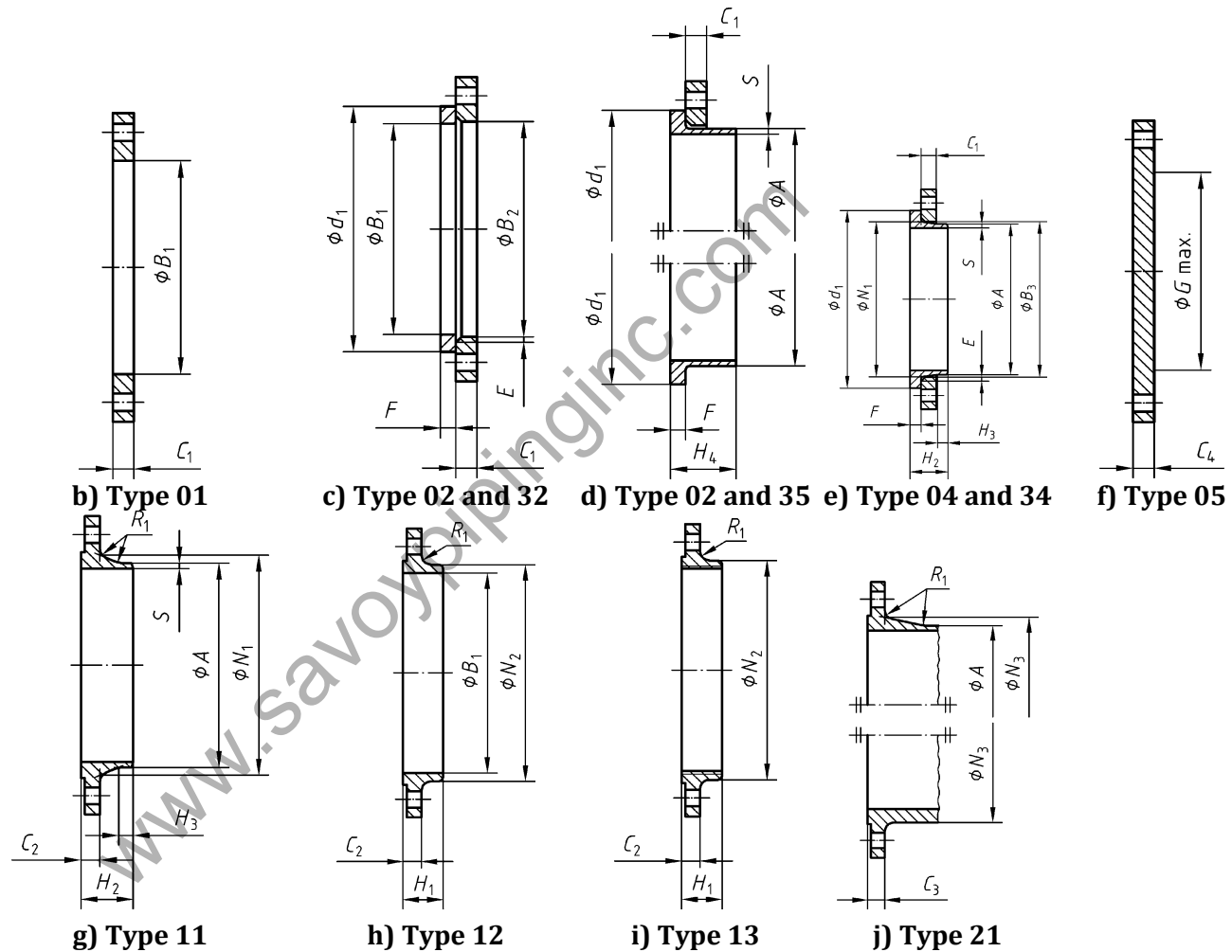


This diagram illustrates the arrangement but not necessarily the correct number of bolt holes. Refer to the column “Bolting Number” in Table 14 for the actual number.



- NOTE 1 Dimensions  $N_1$ ,  $N_2$  and  $N_3$  are measured at the intersection of the hub draft angle and the back face of the flange.
- NOTE 2 For dimension  $d_1$ , see Table 8.
- NOTE 3 For dimensions  $G_{max}$  refer to NOTE 1 of 5.6.1.

Figure 9 — Dimensions of PN 25 flanges

Table 14 — Dimensions of PN 25 flanges

Dimensions in millimetres

DN	Mating dimensions					Outside diameter of neck A	Bore diameters			Flange thickness				Chamfer E	Collar thickness F	Centre portion G <sub>max</sub>	Length				Neck diameters			Corner radii R <sub>1</sub>	Wall thickness (see 5.6.1) S	
	Outside diameter D	Diameter of bolt circle K	Diameter of bolt hole L	Bolting			B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>				H <sub>1</sub>	H <sub>2</sub>	H <sub>3</sub>	H <sub>4</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>			
				Number	Size																					
	Flange type																									
01, 02, 04, 05, 11, 12, 13, 21					11, 21 <sup>a</sup> 34 <sup>c</sup> , 35	01 12 32	02	04	01 02 04	11 12 13	21	05	02 04	32 34	35	05	12 13	11 34 <sup>c</sup>	11 34 <sup>c</sup>	35	11 34	12 13	21	11, 12 13 21, 34	34	11, 35
10	90	60	14	4	M12	17,2	18,0	21	31	14	16	16	16	3	12	5	—	22	35	6	35	28	30	28	4	1,8
15	95	65	14	4	M12	21,3	22,0	25	35	14	16	16	16	3	12	5	—	22	38	6	38	32	35	32	4	2,0
20	105	75	14	4	M12	26,9	27,5	31	42	16	18	18	18	4	14	6	—	26	40	6	40	40	45	40	4	2,3
25	115	85	14	4	M12	33,7	34,5	38	49	16	18	18	18	4	14	7	—	28	40	6	40	46	52	50	4	2,6
32	140	100	18	4	M16	42,4	43,5	47	59	18	18	18	18	5	14	8	—	30	42	6	42	56	60	60	6	2,6
40	150	110	18	4	M16	48,3	49,5	53	67	18	18	18	18	5	14	8	—	32	45	7	45	64	70	70	6	2,6
50	165	125	18	4	M16	60,3	61,5	65	77	20	20	20	20	5	16	10	—	34	48	8	48	75	84	84	6	2,9
65	185	145	18	8	M16	76,1	77,5	81	96	22	22	22	22	6	16	11	55	38	52	10	52	90	104	104	6	2,9
80	200	160	18	8	M16	88,9	90,5	94	114	24	24	24	24	6	18	12	70	40	58	12	58	105	118	120	8	3,2
100	235	190	22	8	M20	114,3	116,0	120	138	26	24	24	24	6	20	14	90	44	65	12	65	134	145	142	8	3,6
125	270	220	26	8	M24	139,7	141,5	145	166	28	26	26	26	6	22	16	115	48	68	12	68	162	170	162	8	4,0
150	300	250	26	8	M24	168,3	170,5	174	194	30	28	28	28	6	24	18	140	52	75	12	75	192	200	192	10	4,5
200	360	310	26	12	M24	219,1	221,5	226	250	32	30	30	30	6	26	18	190	52	80	16	80	244	256	252	10	6,3
250	425	370	30	12	M27	273,0	276,5	281	302	35	32	32	32	8	26	18	235	60	88	18	88	298	310	304	12	7,1
300	485	430	30	16	M27	323,9	327,5	333	356	38	34	34	34	8	28	20	285	67	92	18	92	352	364	364	12	8,0
350	555	490	33	16	M30	355,6	359,5	365	408	42	38	38	38	8	32	22	332	72	100	20	100	398	418	418	12	8,0
400	620	550	36	16	M33	406,4	411,0	416	462	48	40	40	40	8	34	24	380	78	110	20	110	452	472	472	12	8,8

See Annex A

DN	Mating dimensions					Outside diameter of neck A	Bore diameters			Flange thickness				Chamfer E	Collar thickness F	Centre portion G <sub>max</sub>	Length				Neck diameters			Corner radii R <sub>1</sub>	Wall thickness (see 5.6.1) S		
	Outside diameter D	Diameter of bolt circle K	Diameter of bolt hole L	Bolting			B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>				H <sub>1</sub>	H <sub>2</sub>	H <sub>3</sub>	H <sub>4</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>				
	Flange type																										
01, 02, 04, 05, 11, 12, 13, 21					11, 21 <sup>a</sup> 34 <sup>c</sup> , 35	01 12 32	02	04	01 02 04	11 12 13	21	05	02 04	32 34	35	05	12 13	11 34 <sup>c</sup>	11 34 <sup>c</sup>	35	11 34	12 13	21	11, 12 13 21, 34	34	11, 35	
450	670	600	36	20	M33	457,0	462,0	467	510	54	46	46	50	8	36	26	425	84	110	20	110	500	520	520	12	8,8	
500	730	660	36	20	M33	508,0	513,5	519	568	58	48	48	51	8	38	28	475	90	125	20	125	558	580	580	12	10,0	
600	845	770	39	20	M36	610,0	616,5	622	670	68	48	58	66	8	40	30	575	100	125	20	125	660	684	684	12	11,0	
700	960	875	42	24	M39	711,0	b	721	—	85	50	b	b	8	—	30	—	—	129	20	125	760	—	780	12	—	
800	1 085	990	48	24	M45	813,0		824	—	95	53			8	—	35	—	—	—	138	22	135	864	—	882	12	—
900	1 185	1 090	48	28	M45	914,0		—	—	—	57			—	—	—	—	—	—	148	24	—	968	—	982	12	—
1 000	1 320	1 210	56	28	M52	1 016,0	b	—	—	b	63	—	—	—	—	—	—	160	24	—	1 070	—	1 086	16	—		
1 200	d																										
1 400																											
1 600																											
1 800																											
2 000																											

<sup>a</sup> 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.

<sup>b</sup> To be specified by the purchaser.

<sup>c</sup> Use is limited up to DN 500.

<sup>d</sup> Only mating dimensions fixed, see Annex J.