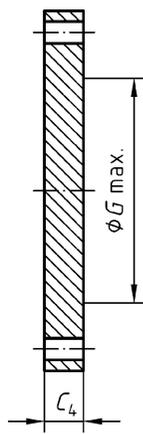
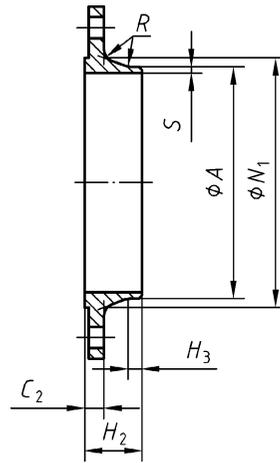


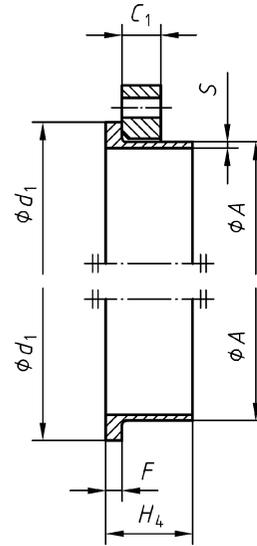
b) Type 01



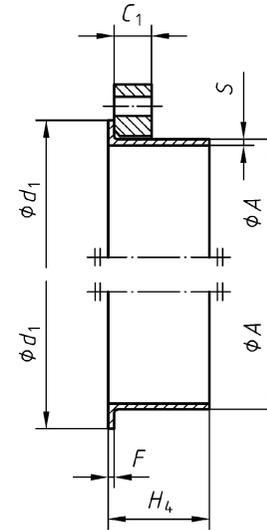
c) Type 05



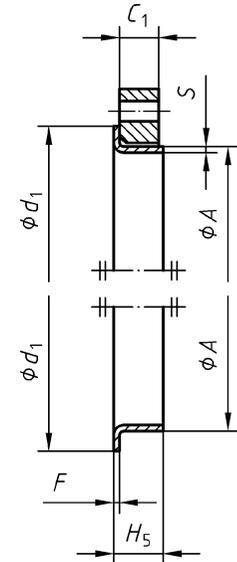
d) Type 11



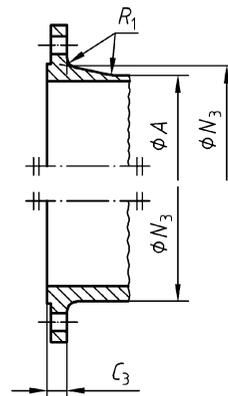
e) Type 02 and 35



f) Type 02 and 36



g) Type 02 and 37



h) Type 21

This diagram illustrates the arrangement but not necessarily the correct number of bolt holes. Refer to the column "Bolting Number" in Table 10 for actual number.

NOTE 1 Dimension  $N_1$  is measured at the intersection of the hub draft angle and the back face of the flange.

NOTE 2 For dimension  $G_{max}$ , refer to NOTE 1 of 5.6.1.

Figure 5 — Dimensions of PN 2,5 flanges

Table 10 — Dimensions of PN 2,5 flanges

Dimensions in millimetres

DN	Mating dimensions					Outside diameter of neck A	Bore diameters		Flange thickness				Collar thickness			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>	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	F	H <sub>2</sub>	H <sub>3</sub>		H <sub>4</sub>	H <sub>5</sub>	N <sub>1</sub>	N <sub>3</sub>					
				Number	Size																				
	Flange type																								
01, 02, 05, 11, 21					11 21 <sup>b</sup> 35 — 37	01 32	02	01 02	11 21	05	32	35	36	37	05	11	11	35	36	37	11	21	11	11, 35 to 37	
10	75	50	11	4	M10	17,2	18,0	21	12	12	12	10	5	2	2,5	—	28	6	28	35	7	26	20	4	
15	80	55	11	4	M10	21,3	22,0	25	12	12	12	10	5	2	2,5	—	30	6	30	38	7	30	26	4	
20	90	65	11	4	M10	26,9	27,5	31	14	14	14	10	6	2,5	3	—	32	6	32	40	8	38	34	4	
25	100	75	11	4	M10	33,7	34,5	38	14	14	14	10	7	2,5	3	—	35	6	35	40	10	42	44	4	
32	120	90	14	4	M12	42,4	43,5	46	16	14	14	10	8	3	3	—	35	6	35	42	12	55	54	6	
40	130	100	14	4	M12	48,3	49,5	53	16	14	14	10	8	3	3	—	38	7	38	45	15	62	64	6	
50	140	110	14	4	M12	60,3	61,5	65	16	14	14	12	8	3	3	—	38	8	38	45	20	74	74	6	
65	160	130	14	4	M12	76,1	77,5	81	16	14	14	12	8	3	3	55	38	9	38	45	20	88	94	6	
80	190	150	18	4	M16	88,9	90,5	94	18	16	16	12	10	3	3	70	42	10	42	50	25	102	110	8	
100	210	170	18	4	M16	114,3	116,0	120	18	16	16	14	10	4	4	90	45	10	45	52	25	130	130	8	
125	240	200	18	8	M16	139,7	141,5	145	20	18	18	14	10	4	4	115	48	10	48	55	25	155	160	8	
150	265	225	18	8	M16	168,3	170,5	174	20	18	18	14	10	5	4	140	48	12	48	55	25	184	182	10	
200	320	280	18	8	M16	219,1	221,5	226	22	20	20	16	11	5	5	190	55	15	55	62	30	236	238	10	

See Annex A

DN	Mating dimensions					Outside diameter of neck A	Bore diameters		Flange thickness				Collar thickness			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>	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	F				H <sub>2</sub>	H <sub>3</sub>	H <sub>4</sub>	H <sub>5</sub>	N <sub>1</sub>	N <sub>3</sub>			
				Number	Size																				
	Flange type																								
01, 02, 05, 11, 21					11 21 <sup>b</sup> 35 — 37	01 32	02	01 02	11 21	05	32	35	36	37	05	11	11	35	36	37	11	21	11	11, 35 to 37	
250	375	335	18	12	M16	273,0	276,5	281	24	22	22	18	12	8	—	235	60	15	60	68	—	290	284	12	
300	440	395	22	12	M20	323,9	327,5	333	24	22	22	18	12	8	—	285	62	15	62	68	—	342	342	12	
350	490	445	22	12	M20	355,6	359,5	365	26	22	22	18	13	8	—	330	62	15	62	68	—	385	392	12	
400	540	495	22	16	M20	406,4	411,0	416	28	22	22	20	14	8	—	380	65	15	65	72	—	438	442	12	
450	595	550	22	16	M20	457,0	462,0	467	30	22	24	20	15	8	—	425	65	15	65	72	—	492	494	12	
500	645	600	22	20	M20	508,0	513,5	519	30	24	24	22	16	8	—	475	68	15	68	75	—	538	544	12	
600	755	705	26	20	M24	610,0	616,5	622	32	30	30	22	16	—	—	575	70	16	70	—	—	640	642	12	
700	860	810	26	24	M24	711,0	a	721	40	30	40	—	16	—	—	670	76	16	70	—	—	740	746	12	
800	975	920	30	24	M27	813,0		824	44	30	44	—	16	—	—	770	76	16	70	—	—	842	850	12	
900	1 075	1 020	30	24	M27	914,0		926	48	30	48	—	16	—	—	860	74	16	70	—	—	942	950	12	
1 000	1 175	1 120	30	28	M27	1 016,0		1 028	52	30	52	—	18	—	—	960	74	16	70	—	—	1 045	1 050	16	
1 200	1 375	1 320	30	32	M27	1 219		1 234	60	32	50	—	20	—	—	1 160	94	16	90	—	—	1 245	—	16	
1 400	1 575	1 520	30	36	M27	1 422		—	—	38	—	—	—	—	—	—	96	16	—	—	—	1 445	—	16	
1 600	1 790	1 730	30	40	M27	1 626		—	—	46	—	—	—	—	—	—	102	20	—	—	—	1 645	—	16	
							a																		
1 800	1 990	1 930	30	44	M27	1 829		—	—	46	—	—	—	—	—	—	110	20	—	—	—	1 845	—	16	

DN	Mating dimensions					Outside diameter of neck A	Bore diameters		Flange thickness				Collar thickness			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>	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	F				H <sub>2</sub>	H <sub>3</sub>	H <sub>4</sub>	H <sub>5</sub>	N <sub>1</sub>	N <sub>3</sub>			
				Number	Size								Flange type												
	01, 02, 05, 11, 21						11 21 <sup>b</sup> 35 — 37	01 32	02	01 02	11 21	05	32	35	36		37	05	11	11	35	36	37		
2 000	2 190	2 130	30	48	M27	2 032	—	—	—	50	—	—	—	—	—	122	22	—	—	—	2 045	—	16		
2 200	2 405	2 340	33	52	M30	2 235	—	—	—	56	—	—	—	—	—	129	25	—	—	—	2 248	—	18		
2 400	2 605	2 540	33	56	M30	2 438	—	—	—	62	—	—	—	—	—	143	25	—	—	—	2 448	—	18		
2 600	2 805	2 740	33	60	M30	2 620	—	—	—	64	—	—	—	—	—	148	25	—	—	—	2 648	—	18		
2 800	3 030	2 960	36	64	M33	2 820	—	—	—	74	—	—	—	—	—	161	25	—	—	—	2 848	—	18		
3 000	3 230	3 160	36	68	M33	3 020	—	—	—	80	—	—	—	—	—	170	25	—	—	—	3 050	—	18		
3 200	3 430	3 360	36	72	M33	3 220	—	—	—	84	—	—	—	—	—	180	25	—	—	—	3 250	—	20		
3 400	3 630	3 560	36	76	M33	3 420	—	—	—	90	—	—	—	—	—	194	28	—	—	—	3 450	—	20		
3 600	3 840	3 770	36	80	M33	3 620	—	—	—	96	—	—	—	—	—	201	28	—	—	—	3 652	—	20		
3 800	4 045	3 970	39	80	M36	3 820	—	—	—	102	—	—	—	—	—	212	28	—	—	—	3 852	—	20		
4 000	4 245	4 170	39	84	M36	4 020	—	—	—	106	—	—	—	—	—	226	28	—	—	—	4 052	—	20		

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

<sup>b</sup> For flanges type 21 the outside hub diameter approximately corresponds to the outside pipe diameter and the nominal value dimensions A, N<sub>3</sub> and R<sub>1</sub> and their tolerances are included for guidance only.