



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		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	See Annex A	
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		

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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	11	21	11	11, 35 to 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.