

Table 16 — Dimensions of PN 63 flanges

Dimensions in millimetres

DN	Mating dimensions					Outside diameter of neck A	Bore diameter B ₁	Flange thickness				Centre portion G _{max}	Length			Neck diameters			Corner radii R ₁	Wall thickness (see 5.6.1) S
	Outside diameter D	Diameter of bolt circle K	Diameter of bolt hole L	Bolting				C ₁	C ₂	C ₃	C ₄		H ₁	H ₂	H ₃	N ₁	N ₂	N ₃		
				Number	Size															
	Flange type																			
01, 05, 11, 12, 13, 21					11 21 ^a	01 12	01	11 12 13	21	05	05	12 13	11	11	11	12 13	21	11 12 13 21	11	
10	100	70	14	4	M12	17,2	18,0	20	20	20	20	—	28	45	6	32	40	40	4	
15	105	75	14	4	M12	21,3	22,0	20	20	20	20	—	28	45	6	34	43	45	4	
20	130	90	18	4	M16	26,9	27,5	22	22	22	22	—	30	48	8	42	52	50	4	
25	140	100	18	4	M16	33,7	34,5	24	24	24	24	—	32	58	8	52	60	61	4	
32	155	110	22	4	M20	42,4	43,5	24	24	26	24	—	32	60	8	62	68	68	6	
40	170	125	22	4	M20	48,3	49,5	26	26	28	26	—	34	62	10	70	80	82	6	
50	180	135	22	4	M20	60,3	61,5	26	26	26	26	—	36	62	10	82	90	90	6	
65	205	160	22	8	M20	76,1	77,5	26	26	26	26	45	40	68	12	98	112	105	6	
80	215	170	22	8	M20	88,9	90,5	30	28	28	28	60	44	72	12	112	125	122	8	
100	250	200	26	8	M24	114,3	116,0	32	30	30	30	80	52	78	12	138	152	146	8	
125	295	240	30	8	M27	139,7	141,5	34	34	34	34	105	56	88	12	168	185	177	8	
150	345	280	33	8	M30	168,3	170,5	36	36	36	36	130	60	95	12	202	215	204	10	
200	415	345	36	12	M33	219,1	221,5	48	42	42	42	180	—	110	16	256	—	264	10	
250	470	400	36	12	M33	273,0	276,5	55	46	46	46	220	—	125	18	316	—	320	12	
300	530	460	36	16	M33	323,9	327,5	65	52	52	52	270	—	140	18	372	—	378	12	
350	600	525	39	16	M36	355,6	359,5	72	56	56	56	310	—	150	20	420	—	434	12	

See Annex A

DN	Mating dimensions					Outside diameter of neck <i>A</i>	Bore diameter <i>B</i> ₁	Flange thickness				Centre portion <i>G</i> _{max}	Length			Neck diameters			Corner radii <i>R</i> ₁	Wall thickness (see 5.6.1) <i>S</i>
	Outside diameter <i>D</i>	Diameter of bolt circle <i>K</i>	Diameter of bolt hole <i>L</i>	Bolting				<i>C</i> ₁	<i>C</i> ₂	<i>C</i> ₃	<i>C</i> ₄		<i>H</i> ₁	<i>H</i> ₂	<i>H</i> ₃	<i>N</i> ₁	<i>N</i> ₂	<i>N</i> ₃		
				Number	Size															
Flange type																				
01, 05, 11, 12, 13, 21						11 21 ^a	01 12	01	11 12 13	21	05	05	12 13	11	11	11	12 13	21	11 12 13 21	11
400	670	585	42	16	M39	406,4	411,0	80	60	60	60	360	—	160	20	475	—	490	12	
500	b																			
600																				
700																				
800																				
900																				
1 000																				
1 200																				
^a For flanges type 21 the outside hub diameter approximately corresponds to the outside pipe diameter and the nominal value dimensions <i>A</i> , <i>N</i> ₃ and <i>R</i> ₁ and their tolerances are included for guidance only. ^b Only mating dimensions fixed, see Annex J.																				