

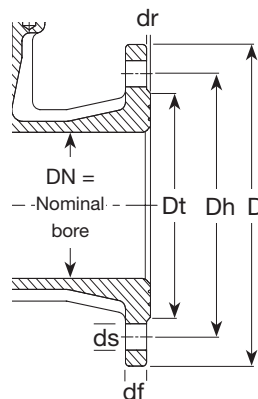


FLANGES AND BOLTS

DN	PN	Bolt (no. x M* x L**)	Nut (no. x M*)	Washer (no. x D1*** x D2**** x thickness)
50/65	10/16	4 x M16x65	4 x M16	8 x 17x30x3
80/100/125	10/16	8 x M16x65	8 x M16	16 x 17x30x3
150	10/16	8 x M20x70	8 x M20	16 x 21x37x3
200	10	8 x M20x75	8 x M20	16 x 21x37x3
200	16	12 x M20x75	12 x M20	24 x 21x37x3
250	10	12 x M20x75	12 x M20	24 x 21x37x3
250	16	12 x M24x80	12 x M24	24 x 25x44x4
300	10	12 x M20x85	12 x M20	24 x 21x37x3
300	16	12 x M24x85	12 x M24	24 x 25x44x4
350	10	16 x M20x90	16 x M20	32 x 21x37x3
350	16	16 x M24x95	16 x M24	32 x 25x44x4
400	10	16 x M24x100	16 x M24	32 x 25x44x4
400	16	16 x M27x100	16 x M27	32 x 28x50x4
450	10	20 x M24x100	20 x M24	40 x 25x44x4
450	16	20 x M27x100	20 x M27	40 x 28x50x4
500	10	20 x M24x110	20 x M24	40 x 25x44x4
500	16	20 x M30x110	20 x M30	40 x 31x56x4
600	10	20 x M27x120	20 x M27	40 x 28x50x4
600	16	20 x M33x120	20 x M33	40 x 34x68x4

* Size ** Length *** Internal diameter **** External diameter

Standard flange drillings to ISO 7005 part 2 (EN 1092-2: 1997, DIN 2501):



DN	D mm		Dt mm	Dh mm		df mm		dr mm	ds mm		Number of Holes		Bolt size	
	PN10	PN16		PN10	PN16	PN10	PN16		PN10	PN16	PN10	PN16	PN10	PN16
40	150		83	110		16	3		19		4		M16	
50	165		102	125		16	3		19		4		M16	
65	185		122	145		16	3		19		4		M16	
80	200		138	160		16	3		19		8		M16	
100	220		158	180		16	3		19		8		M16	
125	250		188	210		16	3		19		8		M16	
150	285		212	240		16	3		23		8		M20	
200	340		268	295	295	17	3	23	23	8	12		M20	
250	400		320	350	355	19	3	23	28	12	12	M20	M24	
300	455		370	400	410	21	4	23	28	12	12	M20	M24	
350	520		430	460	470	23	4	23	28	16	16	M20	M24	
400	580		482	515	525	28	4	28	31	16	16	M24	M27	
450	640		535	565	585	28	4	28	31	20	20	M24	M27	
500	715		590	620	650	28	4	28	34	20	20	M24	M30	
600	840		685/725*	725	770	29	5	34	37	20	20	M27	M33	
700	895	910	794	840	840	33	33	5	31	37	24	22	M27	M33
800	1015	1025	901	950	950	35	5	34	41	24	24	M30	M36	
900	1115	1125	1001	1050	1050	38	46	5	34	41	28	28	M30	M36
1000	1230	1255	1112	1160	1170	40	50	5	37	44	28	28	M33	M39

*Series 55/30 / series 06