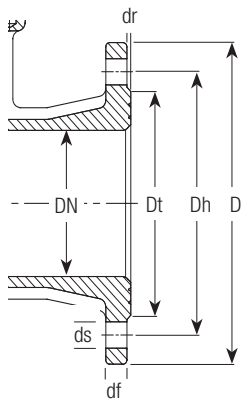


FLANGES AND BOLTS

DN	PN	Bolt	Nut	Washer
		(no. x M ¹ x L ²)	(no. x M ¹)	(no. x D ¹³ x D ²⁴ 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
700	10	24 x M27x105	24 x M27	48 x 28x50x8
700	16	24 x M33x115	24 x M33	48 x 34x60x8
800	10	24 x M30x120	24 x M30	48 x 31x56x8
800	16	24 x M36x130	24 x M36	48 x 37x66x8
900	10	28 x M30x130	28 x M30	56 x 31x56x8
900	16	28 x M36x140	28 x M36	56 x 37x66x8
1000	10	28 x M33x140	28 x M33	56 x 34x60x8
1000	16	28 x M39x160	28 x M39	56 x 40x72x8
1200	10	32 x M36x150	32 x M36	64 x 37x66x8
1200	16	32 x M45x180	32 x M45	64 x 46x85x8

¹ Size ² Length ³ Internal diameter ⁴ External diameter

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



Drillings to ISO 7005 part 2 (EN 1092-2: 1997, DIN 2501):

DN	D	Dt	Hh	df	dr	ds	Number of holes	Bolt Size
	mm	mm	mm	mm	mm	mm		
	PN10 / 16	PN10 / 16	PN10 / 16	PN10 / 16		PN10 / 16	PN10 / 16	PN10 / 16
40	150	83	110	19	3	19	4	M16
50	165	102	125	19	3	19	4	M16
65	185	122	145	19	3	19	4	M16
80	200	138	160	19	3	19	8	M16
100	220	158	180	19	3	19	8	M16
125	250	188	210	19	3	19	8	M16
150	285	212	240	19	3	23	8	M20
200	340	268	295	20	3	23	8 / 12	M20
250	400	320	350 / 355	22	3	23 / 28	12	M20 / M24
300	455	370	400 / 410	24.5	4	23 / 28	12	M20 / M24
350	520	430	460 / 470	24.5 / 26.5	4	23 / 28	16	M20 / M24
400	580	482	515 / 525	24.5 / 28	4	28 / 31	16	M24 / M27
450	640	530 / 548	565 / 585	26.5 / 31.5	4	28 / 31	20	M24 / M27
500	715	582 / 609	620 / 650	26.5 / 31.5	4	28 / 34	20	M24 / M30
600	840	682 / 720	725 / 770	30 / 36	5	31 / 37	20	M27 / M33
700	895 / 910	800 / 795	840	32.5 / 39.5	5	31 / 37	24	M27 / M33
800	1015 / 1025	905 / 900	950	35 / 43	5	34 / 41	24	M30 / M36
900	1115 / 1125	1005 / 1000	1050	37.5 / 46.5	5	34 / 41	28	M30 / M36
1000	1230 / 1255	1110 / 1115	1160 / 1170	40 / 50	5	37 / 44	28	M33 / M39
1200	1455 / 1485	1330	1380 / 1390	45 / 57	5	41 / 50	32	M36 / M45