
**DIMENSIONS OF SOCKET SPIGOT PIPE
(SS) K7, K9 TABLE-4**

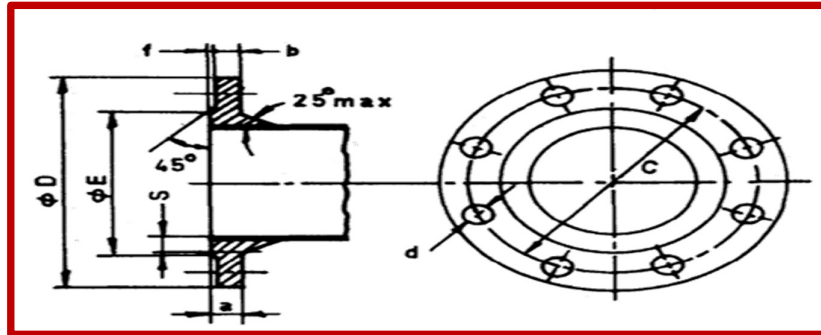
NOMINAL DIAMETER	EXTERNAL DIAMETER	BARREL WALL THICKNESS 'e'	
		K7	K9
DN	DE		
80	98	5	6.0
100	118	5	6.0
125	144	5	6.0
150	170	5	6.0
200	222	5	6.3
250	274	5.3	6.8
300	326	5.6	7.2
350	378	6.0	7.7
400	429	6.3	8.1
450	480	6.6	8.6
500	532	7.0	9.0
600	635	7.7	9.9
700	738	9.0	10.8
750	790	9.7	11.3
800	842	10.4	11.7
900	945	11.2	12.6
1000	1048	12.0	13.5
1100	1152	14.4	14.4
1200	1255	15.3	15.3

**DIMENSIONS OF CENTRIFUGALLY DUCTILE IRON PIPE WITH
SCREWED / WELDED FLANGES**

NOMINAL DIAMETER	EXTERNAL DIAMETER	BARREL WALL THICKNESS 'e'	APP. MASS OF ONE FLANGE	
			PN-10	PN- 16
DN	DE	K9		
80	98	6.0	3.5	3.5
100	118	6.0	3.8	3.8
125	144	6.0	4.7	4.7
150	170	6.0	5.8	5.8
200	222	6.3	7.8	7.8
250	274	6.8	12	12
300	326	7.2	15.2	16
350	378	7.7	18.6	23.7
400	429	8.1	23.4	29.8
450	480	8.6	26.6	38.1
500	532	9.0	32.6	49.7
600	635	9.9	45.5	73.7
700	738	10.8	61.3	83
750	790	11.3	74.2	96.0
800	842	11.7	82.2	108.3
900	945	12.6	99.8	131.2
1000	1048	13.5	126	178.8
1100	1152	14.4	158	210.4
1200	1255	15.3	188.5	271.5



TABLE 3 DIMENSIONS OF STANDARD FLANGE DRILLING FOR SCREWED FLANGES AND WELDED FLANGE {PN 10}
(CLAUSE 6.2.8 AND 12.3)



Nominal Diameter	Dimensions							Holes		Bolt Size
DN	D	E	C	b	f	a	S	Number	Dia (d)	Metric
80	200	132	160	19	3	32	15	4	19	M16
100	220	156	180	19	3	32	15	8	19	M16
125	250	184	210	19	3	32	15	8	19	M16
150	285	211	240	19	3	32	15	8	23	M20
200	340	266	295	20	3	34	15	8	23	M20
250	395	319	350	22	3	48	16	12	23	M20
300	445	370	400	24.5	4	52	17.5	12	23	M20
350	505	429	460	24.5	4	52	19.5	16	23	M20
400	565	480	515	24.5	4	60	19.5	16	28	M24
450	615	530	565	25.5	4	63	20	20	28	M24
500	670	582	620	26.5	4	68	21	20	28	M24
600	780	682	725	30	5	75	24	20	31	M27
700	895	794	840	32.5	5	82	24	24	31	M27
750	960	857	900	34	5	87	24	24	31	M27
800	1 015	901	950	35	5	90	24.5	24	34	M30
900	1 115	1 001	1 050	37.5	5	98	26.5	28	34	M30
1 000	1 230	1 112	1 160	40	5	105	28	28	37	M33
1 100	1 340	1 231	1 270	43	5	114	30	28	37	M33
1 200	1 455	1 328	1 380	45	5	120	31.5	32	40	M36

NOTE

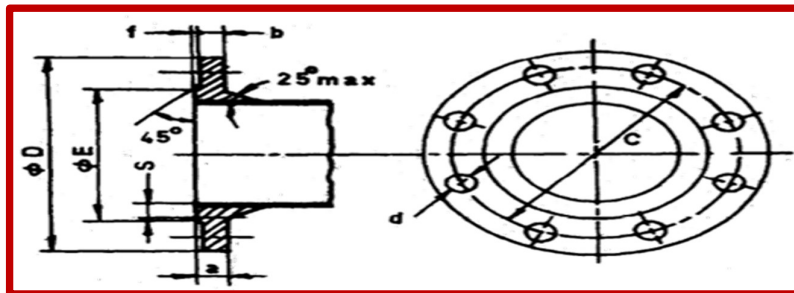
1 The method of screwing and the exact form of thread shall be left to the discretion of the manufacturer as the flanges are never removed after screwing on the barrel of the pipes.

2 If so required the screwed flanges may be spot welded on the back side after screwing.

3 Dimensions 'a' and 'S' are for guidance only.

4 Unless otherwise specified, flanges shall be of ductile iron.

TABLE 4 DIMENSIONS OF STANDARD FLANGE DRILLING FOR SCREWED FLANGES AND WELDED FLANGE {PN 16}
(CLAUSE 6.2.8 AND 12.3)



Nominal Diameter	Dimensions							Holes		Bolt Size
DN	D	E	C	b	f	a	S	Number	Dia (d)	Metric
80	200	132	160	19	3	32	15	8	19	M16
100	220	156	180	19	3	32	15	8	19	M16
125	250	184	210	19	3	32	15	8	19	M16
150	285	211	240	19	3	32	15	8	23	M20
200	340	266	295	20	3	34	16	12	23	M20
250	400	319	355	22	3	48	17.5	12	28	M24
300	455	370	410	24.5	4	52	19.5	12	28	M24
350	520	429	470	26.5	4	68	21	16	28	M24
400	580	480	525	28	4	72	22.5	16	31	M27
450	640	548	585	30	4	78	24	20	31	M27
500	715	609	650	31.5	4	82	25	20	34	M30
600	840	720	770	36	5	93	27.5	20	37	M33
700	910	794	840	39.5	5	103	27.5	24	37	M33
750	970	857	900	41	5	108	28	24	37	M33
800	1 025	901	950	43	5	114	30	24	40	M36
900	1 125	1 001	1 050	46	5	124	32.5	28	40	M36
1 000	1 255	1 112	1 170	50	5	135	35	28	43	M39
1 100	1 355	1 218	1 270	53.5	5	144	37.5	32	43	M39
1 200	1 485	1 328	1 390	57	5	156	40	32	49	M45

NOTE

1 The method of screwing and the exact form of thread shall be left to the discretion of the manufacturer as the flanges are never removed after screwing on the barrel of the pipes.

2 If so required the screwed flanges may be spot welded on the back side after screwing.

3 Dimensions 'a' and 'S' are for guidance only.

4 Unless otherwise specified, flanges shall be of ductile iron.