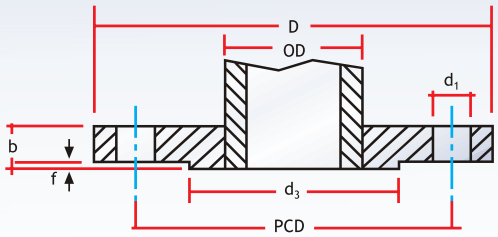
FLANGES



20mm Nominal Bore
Pipe OD 26,9mm

TABLE		FLANGE D	FLANGE b	RAISED FACE d_3	RAISED FACE f	HOLES No	HOLES d_1	BOLT size	PCD	MASS kg
BS 4504	6/3	90,0	14,0	50,0	2,0	4	11,0	M10	65,0	0,53
	10/3	105,0	16,0	58,0	2,0	4	14,0	M12	75,0	0,85
	16/3	105,0	16,0	58,0	2,0	4	14,0	M12	75,0	0,85
	25/3	105,0	18,0	58,0	2,0	4	14,0	M12	75,0	0,97
	40/3	105,0	18,0	58,0	2,0	4	14,0	M12	75,0	0,97
SABS 1123	600/3	90,0	10,0	50,0	2,0	4	11,0	M10	65,0	0,38
	1 000/3	105,0	10,0	58,0	2,0	4	14,0	M12	75,0	0,53
	1 600/3	105,0	10,0	58,0	2,0	4	14,0	M12	75,0	0,53
	2 500/3	105,0	14,0	58,0	2,0	4	14,0	M12	75,0	0,75
	4 000/3	105,0	14,0	58,0	2,0	4	14,0	M12	75,0	0,75
BS 10	T/D	101,6	4,8	-	-	4	14,2	12,7	73,0	0,76
	T/E	101,6	6,3	-	-	4	14,2	12,7	73,0	0,76
	T/F	101,6	9,5	-	-	4	14,2	12,7	73,0	0,76
ASA	150	98,4	12,7	42,9	1,6	4	15,9	M12	69,8	0,90
	300	117,5	15,9	42,9	1,6	4	19,0	M16	82,5	1,80

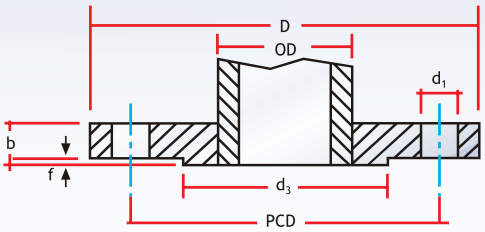
25mm Nominal Bore
Pipe OD 33,7mm

TABLE		FLANGE D	FLANGE b	RAISED FACE d_3	RAISED FACE f	HOLES No	HOLES d_1	BOLT size	PCD	MASS kg
BS 4504	6/3	100,0	14,0	60,0	2,0	4	11,0	M10	75,0	0,65
	10/3	115,0	16,0	68,0	2,0	4	14,0	M12	85,0	1,00
	16/3	115,0	16,0	68,0	2,0	4	14,0	M12	85,0	1,00
	25/3	115,0	18,0	68,0	2,0	4	14,0	M12	85,0	1,20
	40/3	115,0	18,0	68,0	2,0	4	14,0	M12	85,0	1,20
SABS 1123	600/3	100,0	10,0	60,0	2,0	4	11,0	M10	75,0	0,46
	1 000/3	115,0	10,0	68,0	2,0	4	14,0	M12	85,0	0,63
	1 600/3	115,0	10,0	68,0	2,0	4	14,0	M12	85,0	0,63
	2 500/3	115,0	16,0	68,0	2,0	4	14,0	M12	85,0	1,07
	4 000/3	115,0	16,0	68,0	2,0	4	14,0	M12	85,0	1,07
BS 10	T/D	114,3	4,8	-	-	4	14,3	12,7	82,6	0,97
	T/E	114,3	7,1	-	-	4	14,3	12,7	82,6	0,97
	T/F	120,6	9,5	-	-	4	17,5	15,9	87,3	1,03
ASA	150	107,9	14,3	50,8	1,6	4	15,9	M12	79,4	0,90
	300	123,8	17,5	50,8	1,6	4	19,0	M16	88,9	1,40

32mm Nominal Bore
Pipe OD 42,4mm

TABLE		FLANGE D	FLANGE b	RAISED FACE d_3	RAISED FACE f	HOLES No	HOLES d_1	BOLT size	PCD	MASS kg
BS 4504	6/3	120,0	16,0	70,0	2,0	4	14,0	M12	90,0	1,10
	10/3	140,0	16,0	78,0	2,0	4	18,0	M16	100,0	1,50
	16/3	140,0	16,0	78,0	2,0	4	18,0	M16	100,0	1,50
	25/3	140,0	18,0	78,0	2,0	4	18,0	M16	100,0	1,70
	40/3	140,0	18,0	78,0	2,0	4	18,0	M16	100,0	1,70
SABS 1123	600/3	120,0	10,0	70,0	2,0	4	14,0	M12	90,0	0,69
	1 000/3	140,0	10,0	78,0	2,0	4	18,0	M16	100,0	0,94
	1 600/3	140,0	10,0	78,0	2,0	4	18,0	M16	100,0	0,94
	2 500/3	140,0	18,0	78,0	2,0	4	18,0	M16	100,0	1,70
	4 000/3	140,0	18,0	78,0	2,0	4	18,0	M16	100,0	1,70
BS 10	T/D	120,7	6,3	-	-	4	14,2	12,7	87,3	0,98
	T/E	120,7	7,9	-	-	4	14,2	12,7	87,3	0,98
	T/F	133,3	12,7	-	-	4	17,5	15,9	98,4	1,21
ASA	150	117,5	15,9	63,5	1,6	4	15,9	M12	88,9	1,40
	300	133,3	19,0	63,5	1,6	4	19,0	M16	98,4	1,80

FLANGES



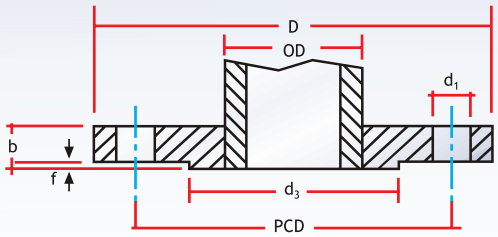
40mm Nominal Bore Pipe - OD 48,3mm

TABLE		FLANGE D	FLANGE b	RAISED FACE d_3	RAISED FACE f	HOLES No	HOLES d_1	BOLT size	PCD	MASS kg
BS 4504	6/3	130,0	16,0	80,0	3,0	4	14,0	M12	100,0	1,20
	10/3	150,0	16,0	88,0	3,0	4	18,0	M16	110,0	1,60
	16/3	150,0	16,0	88,0	3,0	4	18,0	M16	110,0	1,60
	25/3	150,0	20,0	88,0	3,0	4	18,0	M16	110,0	2,10
	40/3	150,0	20,0	88,0	3,0	4	18,0	M16	110,0	2,10
SABS 1123	600/3	130,0	10,0	80,0	3,0	4	14,0	M12	100,0	0,75
	1 000/3	150,0	10,0	88,0	3,0	4	18,0	M16	110,0	1,00
	1 600/3	150,0	10,0	88,0	3,0	4	18,0	M16	110,0	1,00
	2 500/3	150,0	20,0	88,0	3,0	4	18,0	M16	110,0	2,10
	4 000/3	150,0	20,0	88,0	3,0	4	18,0	M16	110,0	2,10
BS 10	T/D	133,4	6,3	-	-	4	14,2	12,7	98,4	1,16
	T/E	133,4	8,7	-	-	4	14,2	12,7	98,4	1,16
	T/F	139,7	12,7	-	-	4	17,5	15,9	104,8	1,29
ASA	150	127,0	17,5	73,0	1,6	4	15,9	M12	98,4	1,40
	300	155,6	20,6	73,0	1,6	4	19,0	M20	114,3	2,70

50mm Nominal Bore Pipe - OD 60,3mm

TABLE		FLANGE D	FLANGE b	RAISED FACE d_3	RAISED FACE f	HOLES No	HOLES d_1	BOLT size	PCD	MASS kg
BS 4504	6/3	140,0	16,0	90,0	3,0	4	14,0	M12	110,0	1,30
	10/3	165,0	18,0	102,0	3,0	4	18,0	M16	125,0	2,20
	16/3	165,0	18,0	102,0	3,0	4	18,0	M16	125,0	2,20
	25/3	165,0	20,0	102,0	3,0	4	18,0	M16	125,0	2,50
	40/3	165,0	20,0	102,0	3,0	4	18,0	M16	125,0	2,50
SABS 1123	600/3	140,0	10,0	90,0	3,0	4	14,0	M12	110,0	0,81
	1 000/3	165,0	10,0	102,0	3,0	4	18,0	M16	125,0	1,22
	1 600/3	165,0	12,0	102,0	3,0	4	18,0	M16	125,0	1,47
	2 500/3	165,0	20,0	102,0	3,0	4	18,0	M16	125,0	2,50
	4 000/3	165,0	20,0	102,0	3,0	4	18,0	M16	125,0	2,50
BS 10	T/D	152,4	7,9	-	-	4	17,5	15,9	114,3	1,47
	T/E	152,4	9,5	-	-	4	17,5	15,9	114,3	1,47
	T/F	165,1	15,9	-	-	4	17,5	15,9	127,0	2,23
ASA	150	152,4	19,0	92,1	1,6	4	19,0	M16	120,6	2,30
	300	165,1	22,2	92,1	1,6	8	19,0	M20	127,0	4,50

FLANGES



80mm Nominal Bore Pipe - OD 88,9mm

TABLE		FLANGE D	FLANGE b	RAISED FACE d_3	RAISED FACE f	HOLES No	HOLES d_1	BOLT size	PCD	MASS kg
BS 4504	6/3	190,0	18,0	128,0	3,0	4	18,0	M16	150,0	2,60
	10/3	200,0	20,0	138,0	3,0	8	18,0	M16	160,0	3,30
	16/3	200,0	20,0	138,0	3,0	8	18,0	M16	160,0	3,30
	25/3	200,0	24,0	138,0	3,0	8	18,0	M16	160,0	4,00
	40/3	200,0	24,0	138,0	3,0	8	18,0	M16	160,0	4,00
SABS 1123	600/3	190,0	10,0	128,0	3,0	4	18,0	M16	150,0	1,44
	1 000/3	200,0	12,0	138,0	3,0	8	18,0	M16	160,0	1,98
	1 600/3	200,0	14,0	138,0	3,0	8	18,0	M16	160,0	2,31
	2 500/3	200,0	22,0	138,0	3,0	8	18,0	M16	160,0	3,67
	4 000/3	200,0	22,0	138,0	3,0	8	18,0	M16	160,0	3,67
BS 10	T/D	184,1	9,5	-	-	4	17,5	15,9	146,0	1,96
	T/E	184,1	11,1	-	-	4	17,5	15,9	146,0	1,96
	T/F	203,2	15,9	-	-	8	17,5	15,9	165,1	3,17
ASA	150	190,5	23,8	127,0	1,6	4	19,0	M16	152,4	3,60
	300	209,5	28,6	127,0	1,6	8	22,2	M20	168,3	5,90

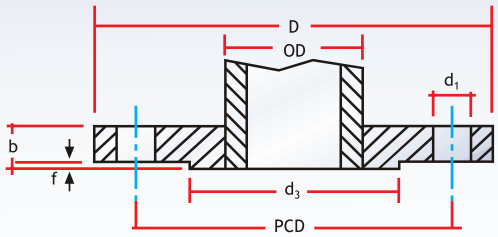
100mm Nominal Bore Pipe - OD 114,3mm

TABLE		FLANGE D	FLANGE b	RAISED FACE d_3	RAISED FACE f	HOLES No	HOLES d_1	BOLT size	PCD	MASS kg
BS 4504	6/3	210,0	18,0	148,0	3,0	4	18,0	M16	170,0	2,90
	10/3	220,0	20,0	158,0	3,0	8	18,0	M16	180,0	3,60
	16/3	220,0	20,0	158,0	3,0	8	18,0	M16	180,0	3,60
	25/3	235,0	26,0	162,0	3,0	8	22,0	M20	190,0	5,70
	40/3	235,0	26,0	162,0	3,0	8	22,0	M20	190,0	5,70
SABS 1123	600/3	210,0	10,0	148,0	3,0	4	18,0	M16	170,0	1,61
	1 000/3	220,0	12,0	158,0	3,0	8	18,0	M16	180,0	2,16
	1 600/3	220,0	14,0	158,0	3,0	8	18,0	M16	180,0	2,52
	2 500/3	235,0	25,0	162,0	3,0	8	22,0	M20	190,0	5,48
	4 000/3	235,0	25,0	162,0	3,0	8	22,0	M20	190,0	5,48
BS 10	T/D	215,9	9,5	-	-	4	17,5	15,9	177,8	2,25
	T/E	215,9	13,7	-	-	8	17,5	15,9	177,8	2,25
	T/F	228,6	19,0	-	-	8	17,5	15,9	190,5	4,46
ASA	150	228,6	23,8	157,2	1,6	8	19,0	M16	190,5	5,90
	300	254,0	31,7	157,2	1,6	8	22,2	M20	200,0	10,00

125mm Nominal Bore Pipe - OD 139,7mm

TABLE		FLANGE D	FLANGE b	RAISED FACE d_3	RAISED FACE f	HOLES No	HOLES d_1	BOLT size	PCD	MASS kg
BS 4504	6/3	240,0	20,0	178,0	3,0	8	18,0	M16	200,0	3,90
	10/3	250,0	22,0	188,0	3,0	8	18,0	M16	210,0	5,00
	16/3	250,0	22,0	188,0	3,0	8	18,0	M16	210,0	5,00
	25/3	270,0	28,0	188,0	3,0	8	26,0	M24	220,0	7,70
	40/3	270,0	28,0	188,0	3,0	8	26,0	M24	220,0	7,70
SABS 1123	600/3	240,0	12,0	178,0	3,0	8	18,0	M16	200,0	2,34
	1 000/3	250,0	14,0	188,0	3,0	8	18,0	M16	210,0	3,18
	1 600/3	250,0	16,0	188,0	3,0	8	18,0	M16	210,0	3,64
	2 500/3	270,0	28,0	188,0	3,0	8	26,0	M24	220,0	7,70
	4 000/3	270,0	28,0	188,0	3,0	8	26,0	M24	220,0	7,70
BS 10	T/D	254,6	12,7	-	-	8	17,5	15,9	209,6	3,48
	T/E	254,6	14,3	-	-	8	17,5	15,9	209,6	3,84
	T/F	279,4	22,2	-	-	8	22,2	19,0	234,9	7,81
ASA	150	254,0	23,8	185,7	1,6	8	22,2	M20	215,9	6,80
	300	279,4	34,9	185,7	1,6	8	22,2	M20	234,9	12,70

FLANGES



150mm Nominal Bore Pipe - OD must be specified 168,3mm or 165, 1mm

TABLE		FLANGE D	FLANGE b	RAISED FACE d_3	RAISED FACE f	HOLES No	HOLES d_1	BOLT size	PCD	MASS kg
BS 4504	6/3	265,0	20,0	202,0	3,0	8	18,0	M16	225,0	4,40
	10/3	285,0	22,0	212,0	3,0	8	22,0	M20	240,0	6,00
	16/3	285,0	22,0	212,0	3,0	8	22,0	M20	240,0	6,00
	25/3	300,0	30,0	218,0	3,0	8	26,0	M24	250,0	9,70
	40/3	300,0	30,0	218,0	3,0	8	26,0	M24	250,0	9,70
SABS 1123	600/3	265,0	12,0	202,0	3,0	8	18,0	M16	225,0	2,64
	1 000/3	285,0	16,0	212,0	3,0	8	22,0	M20	240,0	4,36
	1 600/3	285,0	18,0	212,0	3,0	8	22,0	M20	240,0	4,90
	2 500/3	300,0	30,0	218,0	3,0	8	26,0	M24	250,0	9,70
	4 000/3	300,0	30,0	218,0	3,0	8	26,0	M24	250,0	9,70
BS 10	T/D	279,4	12,7	-	-	8	17,5	15,9	235,0	3,88
	T/E	279,4	17,5	-	-	8	22,2	19,0	235,0	5,36
	T/F	304,8	22,2	-	-	12	22,2	19,0	260,4	8,71
ASA	150	279,4	25,4	215,9	1,6	8	22,2	M20	241,3	8,60
	300	317,5	36,5	215,9	1,6	12	22,2	M20	269,9	17,70

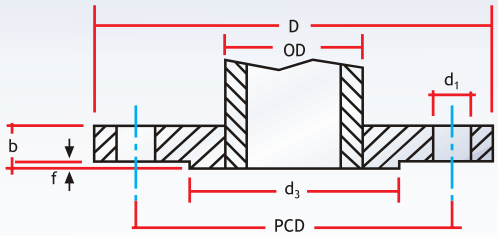
200mm Nominal Bore Pipe - OD 219,1mm

TABLE		FLANGE D	FLANGE b	RAISED FACE d_3	RAISED FACE f	HOLES No	HOLES d_1	BOLT size	PCD	MASS kg
BS 4504	6/3	320,0	22,0	258,0	3,0	8	18,0	M16	280,0	6,40
	10/3	340,0	24,0	268,0	3,0	8	22,0	M20	295,0	8,40
	16/3	340,0	24,0	268,0	3,0	12	22,0	M20	295,0	8,70
	25/3	360,0	28,0	278,0	3,0	12	26,0	M24	310,0	12,00
	40/3	375,0	34,0	285,0	3,0	12	30,0	M27	320,0	16,00
SABS 1123	600/3	320,0	14,0	258,0	3,0	4	18,0	M16	280,0	6,21
	1 000/3	340,0	18,0	268,0	3,0	8	22,0	M20	295,0	6,53
	1 600/3	340,0	22,0	268,0	3,0	12	22,0	M20	295,0	7,70
	2 500/3	360,0	28,0	278,0	3,0	12	26,0	M24	310,0	12,00
	4 000/3	375,0	32,0	285,0	3,0	12	26,0	M24	320,0	15,60
BS 10	T/D	336,6	12,7	-	-	8	17,5	15,9	292,1	4,91
	T/E	336,6	19,0	-	-	8	22,2	19,0	292,1	7,59
	T/F	368,3	25,4	-	-	12	22,2	19,0	323,9	13,39
ASA	150	342,9	28,6	269,9	1,6	8	22,2	M20	298,4	13,60
	300	381,0	41,3	269,9	1,6	12	25,4	M24	330,2	26,30

250mm Nominal Bore Pipe - OD 273,0mm

TABLE		FLANGE D	FLANGE b	RAISED FACE d_3	RAISED FACE f	HOLES No	HOLES d_1	BOLT size	PCD	MASS kg
BS 4504	6/3	375,0	24,0	312,0	3,0	12	18,0	M16	335,0	8,50
	10/3	395,0	26,0	320,0	3,0	12	22,0	M20	350,0	11,00
	16/3	405,0	26,0	320,0	3,0	12	26,0	M24	355,0	12,00
	25/3	425,0	32,0	335,0	3,0	12	30,0	M27	370,0	17,50
	40/3	450,0	42,0	345,0	3,0	12	33,0	M30	385,0	28,50
SABS 1123	600/3	375,0	16,0	312,0	3,0	12	18,0	M16	335,0	5,67
	1 000/3	395,0	20,0	320,0	3,0	12	22,0	M20	350,0	8,46
	1 600/3	405,0	25,0	320,0	3,0	12	26,0	M24	355,0	11,54
	2 500/3	425,0	30,0	335,0	3,0	12	26,0	M24	370,0	16,41
	4 000/3	450,0	38,0	345,0	3,0	12	33,0	M30	385,0	25,79
BS 10	T/D	406,4	15,9	-	-	8	22,2	19,0	355,6	8,70
	T/E	406,4	22,2	-	-	12	22,2	19,0	355,6	12,05
	T/F	431,8	28,6	-	-	12	25,4	22,2	381,0	19,20
ASA	150	406,4	30,2	323,8	1,6	12	25,4	M24	361,9	19,50
	300	444,5	47,6	323,8	1,6	16	28,6	M24	387,3	36,70

FLANGES



300mm Nominal Bore Pipe - OD 323,9mm

TABLE		FLANGE D	FLANGE b	RAISED FACE d_3	RAISED FACE f	HOLES No	HOLES d_1	BOLT size	PCD	MASS kg
BS 4504	6/3	440,0	24,0	365,0	4,0	12	22,0	M20	395,0	11,00
	10/3	445,0	26,0	370,0	4,0	12	22,0	M20	400,0	12,50
	16/3	460,0	28,0	378,0	4,0	12	26,0	M24	410,0	15,50
	25/3	485,0	38,0	395,0	4,0	16	30,0	M27	430,0	25,50
	40/3	515,0	50,0	410,0	4,0	16	33,0	M30	450,0	42,00
SABS 1123	600/3	440,0	20,0	365,0	4,0	12	22,0	M20	395,0	9,17
	1 000/3	445,0	22,0	370,0	4,0	12	22,0	M20	400,0	10,58
	1 600/3	460,0	28,0	378,0	4,0	12	26,0	M24	410,0	15,50
	2 500/3	485,0	32,0	395,0	4,0	16	26,0	M24	430,0	21,47
	4 000/3	515,0	40,0	410,0	4,0	16	33,0	M30	450,0	33,60
BS 10	T/D	457,2	19,0	-	-	12	22,2	19,0	406,4	12,05
	T/E	457,2	25,4	-	-	12	25,4	22,2	406,4	16,07
	T/F	489,0	31,8	-	-	16	25,4	22,2	438,2	25,45
ASA	150	482,6	31,7	381,0	1,6	12	25,4	M24	431,8	29,00
	300	520,7	50,8	381,0	1,6	16	31,7	M30	450,8	52,20

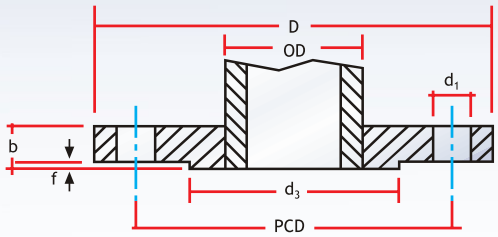
350mm Nominal Bore Pipe - OD 355,6mm

TABLE		FLANGE D	FLANGE b	RAISED FACE d_3	RAISED FACE f	HOLES No	HOLES d_1	BOLT size	PCD	MASS kg
BS 4504	6/3	490,0	26,0	415,0	4,0	12	22,0	M20	445,0	15,50
	10/3	505,0	28,0	430,0	4,0	16	22,0	M20	460,0	19,50
	16/3	520,0	32,0	438,0	4,0	16	26,0	M24	470,0	24,50
	25/3	555,0	42,0	450,0	4,0	16	33,0	M30	490,0	40,50
	40/3	580,0	56,0	465,0	4,0	16	36,0	M33	510,0	63,00
SABS 1123	600/3	490,0	22,0	415,0	4,0	12	22,0	M20	445,0	13,12
	1 000/3	505,0	25,0	430,0	4,0	16	22,0	M20	460,0	17,41
	1 600/3	520,0	30,0	438,0	4,0	16	26,0	M24	470,0	22,97
	2 500/3	555,0	35,0	450,0	4,0	16	33,0	M30	490,0	33,75
	4 000/3	580,0	45,0	465,0	4,0	16	33,0	M30	510,0	50,62
BS 10	T/D	527,1	22,2	-	-	12	25,4	22,2	469,9	18,75
	T/E	527,1	28,6	-	-	12	25,4	22,2	469,9	25,89
	T/F	552,5	34,9	-	-	16	28,6	25,4	495,3	36,16
ASA	150	533,4	34,9	412,7	1,6	12	28,6	M24	476,2	41,00
	300	584,2	54,0	412,7	1,6	20	31,7	M30	514,3	74,80

400mm Nominal Bore Pipe - OD 406,4mm

TABLE		FLANGE D	FLANGE b	RAISED FACE d_3	RAISED FACE f	HOLES No	HOLES d_1	BOLT size	PCD	MASS kg
BS 4504	6/3	540,0	28,0	465,0	4,0	16	22,0	M20	495,0	19,00
	10/3	565,0	32,0	482,0	4,0	16	26,0	M24	515,0	26,50
	16/3	580,0	36,0	490,0	4,0	16	30,0	M27	525,0	33,00
	25/3	620,0	46,0	505,0	4,0	16	36,0	M33	550,0	54,00
	40/3	660,0	64,0	535,0	4,0	16	39,0	M36	585,0	94,00
SABS 1123	600/3	540,0	22,0	465,0	4,0	16	22,0	M20	495,0	14,92
	1 000/3	565,0	25,0	482,0	4,0	16	26,0	M24	515,0	20,70
	1 600/3	580,0	35,0	490,0	4,0	16	26,0	M24	525,0	32,08
	2 500/3	620,0	40,0	505,0	4,0	16	33,0	M30	550,0	46,96
	4 000/3	660,0	50,0	535,0	4,0	16	39,0	M36	585,0	73,44
BS 10	T/D	577,9	22,2	-	-	12	25,4	22,2	520,7	22,32
	T/E	577,9	31,8	-	-	12	25,4	22,2	520,7	32,59
	T/F	609,6	41,4	-	-	20	28,6	25,4	552,5	51,34
ASA	150	596,9	36,5	469,9	1,6	16	28,6	M24	539,7	44,50
	300	647,7	57,1	469,9	1,6	20	34,9	M30	571,5	86,20

FLANGES



450mm Nominal Bore Pipe - OD 457,2mm

TABLE		FLANGE D	FLANGE b	RAISED FACE d_3	RAISED FACE f	HOLES No	HOLES d_1	BOLT size	PCD	MASS kg
BS 4504	6/3	595,0	30,0	520,0	4,0	16	22,0	M20	550,0	23,70
	10/3	615,0	36,0	532,0	4,0	20	26,0	M24	565,0	33,10
	16/3	640,0	40,0	550,0	4,0	20	30,0	M27	585,0	41,20
	25/3	670,0	52,0	555,0	4,0	20	36,0	M33	600,0	67,50
	40/3	685,0	68,0	560,0	4,0	20	39,0	M36	610,0	117,50
SABS 1123	600/3	595,0	25,0	520,0	4,0	16	22,0	M20	550,0	18,70
	1 000/3	615,0	30,0	532,0	4,0	20	26,0	M24	565,0	25,90
	1 600/3	640,0	40,0	550,0	4,0	20	26,0	M24	585,0	40,10
	2 500/3	670,0	45,0	555,0	4,0	20	33,0	M30	600,0	58,70
	4 000/3	685,0	60,0	575,0	4,0	20	39,0	M36	610,0	91,80
BS 10	T/D	641,4	25,4	-	-	12	25,4	22,2	584,2	30,80
	T/E	641,4	34,9	-	-	16	25,4	22,2	584,2	42,86
	T/F	673,1	44,5	-	-	20	31,8	28,6	609,6	64,73
ASA	150	635,0	39,7	533,4	1,6	16	31,7	M30	577,8	59,00
	300	711,2	60,3	533,4	1,6	24	34,9	M30	628,6	113,00

500mm Nominal Bore Pipe - OD 508,0 mm

TABLE		FLANGE D	FLANGE b	RAISED FACE d_3	RAISED FACE f	HOLES No	HOLES d_1	BOLT size	PCD	MASS kg
BS 4504	6/3	645,0	30,0	570,0	4,0	20	22,0	M20	600,0	25,50
	10/3	670,0	38,0	585,0	4,0	20	26,0	M24	620,0	39,00
	16/3	715,0	44,0	610,0	4,0	20	33,0	M30	650,0	60,00
	25/3	730,0	58,0	615,0	4,0	20	36,0	M33	660,0	86,00
	40/3	755,0	72,0	615,0	4,0	20	42,0	M39	670,0	120,00
SABS 1123	600/3	645,0	25,0	570,0	4,0	20	22,0	M20	600,0	21,25
	1 000/3	670,0	32,0	585,0	4,0	20	26,0	M24	620,0	32,84
	1 600/3	715,0	40,0	610,0	4,0	20	33,0	M30	650,0	54,55
	2 500/3	730,0	50,0	615,0	4,0	20	33,0	M30	660,0	74,14
	4 000/3	755,0	70,0	615,0	4,0	20	39,0	M36	670,0	116,67
BS 10	T/D	704,9	28,6	-	-	16	25,4	22,2	641,4	41,07
	T/E	704,9	38,1	-	-	16	25,4	22,2	641,4	55,80
	T/F	736,6	50,8	-	-	24	31,7	28,6	673,1	87,05
ASA	150	698,5	42,9	584,2	1,6	20	31,7	M30	635,0	75,00
	300	774,7	63,5	584,2	1,6	24	34,9	M30	685,8	143,00

600mm Nominal Bore Pipe - OD 609,6mm

TABLE		FLANGE D	FLANGE b	RAISED FACE d_3	RAISED FACE f	HOLES No	HOLES d_1	BOLT size	PCD	MASS kg
BS 4504	6/3	755,0	32,0	670,0	5,0	20	26,0	M24	705,0	33,00
	10/3	780,0	42,0	685,0	5,0	20	30,0	M27	725,0	53,00
	16/3	840,0	52,0	725,0	5,0	20	36,0	M33	770,0	94,00
	25/3	845,0	66,0	720,0	5,0	20	39,0	M36	770,0	120,00
	40/3	-	-	-	-	-	-	-	-	-
SABS 1123	600/3	755,0	30,0	670,0	5,0	20	26,0	M24	705,0	30,94
	1 000/3	780,0	38,0	685,0	5,0	20	26,0	M24	725,0	47,95
	1 600/3	840,0	50,0	725,0	5,0	20	33,0	M30	770,0	90,38
	2 500/3	845,0	60,0	720,0	5,0	20	39,0	M36	770,0	109,09
	4 000/3	-	-	-	5,0	-	-	-	-	-
BS 10	T/D	825,5	31,8	-	-	16	28,6	25,4	755,7	60,27
	T/E	825,5	47,6	-	-	16	31,8	28,6	755,7	89,29
	T/F	850,9	57,2	-	-	24	35,0	31,8	781,1	122,76
ASA	150	812,8	47,6	692,1	1,6	20	34,9	M30	749,3	99,80
	300	914,4	69,8	692,1	1,6	24	41,3	M39	812,8	215,00