



STEEL FLANGES

To BS 4504 Part 1: 1969, SABS 1123: 1977
BS 10:1962, ANSI B 16,5:1977

Available in Weld neck, Slip-on, Screwed and Blank



20mm Nominal Bore Pipe OD 26,9mm

TABLE	FLANGE		RAISED FACE		HOLES No	d _r	BOLT size	PCD	MASS kg	
	D	b	d ₃	f						
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		RAISED FACE		HOLES No	d _r	BOLT size	PCD	MASS kg	
	D	b	d ₃	f						
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		RAISED FACE		HOLES No	d _r	BOLT size	PCD	MASS kg	
	D	b	d ₃	f						
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

50mm Nominal Bore Pipe - OD 60mm

TABLE		FLANGE		RAISED FACE		HOLES		BOLT size	PCD	MASS kg
		D	b	d3	f	No	d1			
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

65mm Nominal Bore Pipe - OD 76,6mm

TABLE		FLANGE		RAISED FACE		HOLES		BOLT size	PCD	MASS kg
		D	b	d3	f	No	d1			
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

**80mm Nominal Bore
Pipe - OD 89,5mm**

TABLE		FLANGE		RAISED FACE		HOLES		BOLT size	PCD	MASS kg
		D	b	d3	f	No	d,			
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		RAISED FACE		HOLES		BOLT size	PCD	MASS kg
		D	b	d3	f	No	d,			
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		RAISED FACE		HOLES		BOLT size	PCD	MASS kg
		D	b	d3	f	No	d,			
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

**150mm Nominal Bore Pipe - OD
165,1mm or 168,3mm**

TABLE		FLANGE		RAISED FACE		HOLES		BOLT size	PCD	MASS kg
		D	b	d	f	No	d			
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
BS10	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		RAISED FACE		HOLES		BOLT size	PCD	MASS kg
		D	b	d3	f	No	d _i			
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
273mm**

TABLE		FLANGE		RAISED FACE		HOLES		BOLT size	PCD	MASS kg
		D	b	d3	f	No	d _i			
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

**300mm Nominal Bore
Pipe - OD 323,9mm**

TABLE		FLANGE		RAISED FACE		HOLES		BOLT size	PCD	MASS kg
		D	b	d3	f	No	d _r			
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		RAISED FACE		HOLES		BOLT size	PCD	MASS kg
		D	b	d3	f	No	d _r			
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		RAISED FACE		HOLES		BOLT size	PCD	MASS kg
		D	b	d3	f	No	d _r			
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

TABLE		FLANGE		RAISED FACE		HOLES		BOLT size	PCD	MASS kg
		D	b	d3	f	No	d _i			
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

**450mm Nominal Bore Pipe - OD
457,2mm**

TABLE		FLANGE		RAISED FACE		HOLES		BOLT size	PCD	MASS kg
		D	b	d	f	No	d			
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

**500mm Nominal Bore Pipe - OD
508mm**

TABLE		FLANGE		RAISED FACE		HOLES		BOLT size	PCD	MASS kg
		D	b	d3	f	No	d _i			
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

**600mm Nominal Bore Pipe - OD
609,6mm**

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