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SWIFT STANDARD PLATE FLANGES

15 NB, PIPE OD 21.3

TABLE		FLANGE		RAISED FACE		HOLES		BOLT SIZE	PCD	MASS kg
		D	b	d ₃	f	No.	d ₁			
BS 4504	6/3	80	12	40	2	4	11	M10	55	0.35
	10/3	95	14	45	2	4	14	M12	65	0.59
	16/3	95	14	45	2	4	14	M12	65	0.59
	25/3	95	16	45	2	4	14	M12	65	0.69
	40/3	95	16	45	2	4	14	M12	65	0.69
SABS 1123	600/3	80	10	40	2	4	11	M10	55	0.29
	1000/3	95	10	45	2	4	14	M12	65	0.42
	1600/3	95	10	45	2	4	14	M12	65	0.42
	2500/3	95	14	45	2	4	14	M12	65	0.6
	4000/3	95	14	45	2	4	14	M12	65	0.6
BS 10	T/D	101.6	4.8			4	14.3	12.7	66.7	0.67
	T/E	101.6	6.3			4	14.3	12.7	66.7	0.67
	T/F	101.6	9.5			4	14.3	12.7	66.7	0.67

20 NB, PIPE OD 26.9

TABLE		FLANGE		RAISED FACE		HOLES		BOLT SIZE	PCD	MASS kg
		D	b	d ₃	f	No.	d ₁			
BS 4504	6/3	90	14	50	2	4	11	M10	65	0.53
	10/3	105	16	58	2	4	14	M12	75	0.85
	16/3	105	16	58	2	4	14	M12	75	0.85
	25/3	105	18	58	2	4	14	M12	75	0.97
	40/3	105	18	58	2	4	14	M12	75	0.97
SABS 1123	600/3	90	10	50	2	4	11	M10	65	0.38
	1000/3	105	10	58	2	4	14	M12	75	0.53
	1600/3	105	10	58	2	4	14	M12	75	0.53
	2500/3	105	14	58	2	4	14	M12	75	0.75
	4000/3	105	14	58	2	4	14	M12	75	0.75
BS 10	T/D	101.6	4.8			4	14.2	12.7	73	0.76
	T/E	101.6	6.3			4	14.2	12.7	73	0.76
	T/F	101.6	9.5			4	14.2	12.7	73	0.76

25 NB, PIPE OD 33.7

TABLE		FLANGE		RAISED FACE		HOLES		BOLT SIZE	PCD	MASS kg
		D	b	d ₃	f	No.	d ₁			
BS 4504	6/3	100	14	60	2	4	11	M10	75	0.65
	10/3	115	16	68	2	4	14	M12	85	1
	16/3	115	16	68	2	4	14	M12	85	1
	25/3	115	18	68	2	4	14	M12	85	1.2
	40/3	115	18	68	2	4	14	M12	85	1.2
SABS 1123	600/3	100	10	60	2	4	11	M10	75	0.46
	1000/3	115	10	68	2	4	14	M12	85	0.63
	1600/3	115	10	68	2	4	14	M12	85	0.63
	2500/3	115	16	68	2	4	14	M12	85	1.07
	4000/3	115	16	68	2	4	14	M12	85	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	0.94
	T/F	120.6	9.5			4	17.5	15.9	87.3	1.03



32 NB, PIPE OD 42.4

TABLE		FLANGE		RAISED FACE		HOLES		BOLT SIZE	PCD	MASS kg
		D	b	d ₃	f	No.	d ₁			
BS 4504	6/3	120	16	70	2	4	14	M12	90	1.1
	10/3	140	16	78	2	4	18	M16	100	1.5
	16/3	140	16	78	2	4	18	M16	100	1.5
	25/3	140	18	78	2	4	18	M16	100	1.7
	40/3	140	18	78	2	4	18	M16	100	1.7
SABS 1123	600/3	120	10	70	2	4	14	M12	90	0.69
	1000/3	140	10	78	2	4	18	M16	100	0.94
	1600/3	140	10	78	2	4	18	M16	100	0.94
	2500/3	140	18	78	2	4	18	M16	100	1.7
	4000/3	140	18	78	2	4	18	M16	100	1.7
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

40 NB, PIPE OD 48.3

TABLE		FLANGE		RAISED FACE		HOLES		BOLT SIZE	PCD	MASS kg
		D	b	d ₃	f	No.	d ₁			
BS 4504	6/3	130	16	80	3	4	14	M12	100	1.2
	10/3	150	16	88	3	4	18	M16	110	1.6
	16/3	150	16	88	3	4	18	M16	110	1.6
	25/3	150	20	88	3	4	18	M16	110	2.1
	40/3	150	20	88	3	4	18	M16	110	2.1
SABS 1123	600/3	130	10	80	3	4	14	M12	100	0.75
	1000/3	150	10	88	3	4	18	M16	110	1
	1600/3	150	10	88	3	4	18	M16	110	1
	2500/3	150	20	88	3	4	18	M16	110	2.1
	4000/3	150	20	88	3	4	18	M16	110	2.1
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

50 NB, PIPE OD 60.3

TABLE		FLANGE		RAISED FACE		HOLES		BOLT SIZE	PCD	MASS kg
		D	b	d ₃	f	No.	d ₁			
BS 4504	6/3	140	16	90	3	4	14	M12	110	1.3
	10/3	165	18	102	3	4	18	M16	125	2.2
	16/3	165	18	102	3	4	18	M16	125	2.2
	25/3	165	20	102	3	4	18	M16	125	2.5
	40/3	165	20	102	3	4	18	M16	125	2.5
SABS 1123	600/3	140	10	90	3	4	14	M12	110	0.81
	1000/3	165	10	102	3	4	18	M16	125	1.22
	1600/3	165	12	102	3	4	18	M16	125	1.47
	2500/3	165	20	102	3	4	18	M16	125	2.5
	4000/3	165	20	102	3	4	18	M16	125	2.5
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	2.23



65 NB, PIPE OD 79.1

TABLE		FLANGE		RAISED FACE		HOLES		BOLT SIZE	PCD	MASS kg
		D	b	d ₃	f	No.	d ₁			
BS 4504	6/3	160	16	110	3	4	14	M12	130	1.6
	10/3	185	18	122	3	4	18	M16	145	2.7
	16/3	185	18	122	3	4	18	M16	145	2.7
	25/3	185	22	122	3	8	18	M16	145	3.2
	40/3	185	22	122	3	8	18	M16	145	3.2
SABS 1123	600/3	160	10	110	3	4	14	M12	130	1
	1000/3	185	12	122	3	4	18	M16	145	1.8
	1600/3	185	12	122	3	4	18	M16	145	1.8
	2500/3	185	22	122	3	8	18	M16	145	3.2
	4000/3	185	22	122	3	8	18	M16	145	3.2
BS 10	T/D	165.1	7.9			4	17.5	15.9	127	1.65
	T/E	165.1	10.3			4	17.5	15.9	127	1.65
	T/F	184.1	15.9			8	17.5	15.9	146	2.68

80 NB, PIPE OD 88.9

TABLE		FLANGE		RAISED FACE		HOLES		BOLT SIZE	PCD	MASS kg
		D	b	d ₃	f	No.	d ₁			
BS 4504	6/3	190	18	128	3	4	18	M16	150	2.6
	10/3	200	20	138	3	8	18	M16	160	3.3
	16/3	200	20	138	3	8	18	M16	160	3.3
	25/3	200	24	138	3	8	18	M16	160	4
	40/3	200	24	138	3	8	18	M16	160	4
SABS 1123	600/3	190	10	128	3	4	18	M16	150	1.44
	1000/3	200	12	138	3	8	18	M16	160	1.98
	1600/3	200	14	138	3	8	18	M16	160	2.31
	2500/3	200	22	138	3	8	18	M16	160	3.67
	4000/3	200	22	138	3	8	18	M16	160	3.67
BS 10	T/D	184.1	9.5			4	17.5	15.9	146	1.96
	T/E	184.1	11.1			4	17.5	15.9	146	1.96
	T/F	203.2	15.9			8	17.5	15.9	165.1	3.17

100 NB, PIPE OD 114.3

TABLE		FLANGE		RAISED FACE		HOLES		BOLT SIZE	PCD	MASS kg
		D	b	d ₃	f	No.	d ₁			
BS 4504	6/3	210	18	148	3	4	18	M16	170	2.9
	10/3	220	20	158	3	8	18	M16	180	3.6
	16/3	220	20	158	3	8	18	M16	180	3.6
	25/3	235	26	162	3	8	22	M20	190	5.7
	40/3	235	26	162	3	8	22	M20	190	5.7
SABS 1123	600/3	210	10	148	3	4	18	M16	170	1.61
	1000/3	220	12	158	3	8	18	M16	180	2.16
	1600/3	220	14	158	3	8	18	M16	180	2.52
	2500/3	235	25	162	3	8	22	M20	190	5.48
	4000/3	235	25	162	3	8	22	M20	190	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			8	17.5	15.9	190.5	4.46



125 NB, PIPE OD 139.7

TABLE		FLANGE		RAISED FACE		HOLES		BOLT SIZE	PCD	MASS kg
		D	b	d ₃	f	No.	d ₁			
BS 4504	6/3	240	20	178	3	8	18	M16	200	3.9
	10/3	250	22	188	3	8	18	M16	210	5
	16/3	250	22	188	3	8	18	M16	210	5
	25/3	270	28	188	3	8	26	M24	220	7.7
	40/3	270	28	188	3	8	26	M24	220	7.7
SABS 1123	600/3	240	12	178	3	8	18	M16	200	2.34
	1000/3	250	14	188	3	8	18	M16	210	3.18
	1600/3	250	16	188	3	8	18	M16	210	3.64
	2500/3	270	28	188	3	8	26	M24	220	7.7
	4000/3	270	28	188	3	8	26	M24	220	7.7
BS 10	T/D	254	12.7			8	17.5	15.9	209.6	3.48
	T/E	254	14.3			8	17.5	15.9	209.6	3.84
	T/F	279.4	22.2			8	22.2	19	234.9	7.81

150 NB, PIPE OD 168.3 OR 165.1 (to be specified)

TABLE		FLANGE		RAISED FACE		HOLES		BOLT SIZE	PCD	MASS kg
		D	b	d ₃	f	No.	d ₁			
BS 4504	6/3	265	20	202	3	8	18	M16	225	4.4
	10/3	285	22	212	3	8	22	M20	240	6
	16/3	285	22	212	3	8	22	M20	240	6
	25/3	300	30	218	3	8	26	M24	250	9.7
	40/3	300	30	218	3	8	26	M24	250	9.7
SABS 1123	600/3	265	12	202	3	8	18	M16	225	2.64
	1000/3	285	16	212	3	8	22	M20	240	4.36
	1600/3	285	18	212	3	8	22	M20	240	4.9
	2500/3	300	30	218	3	8	26	M24	250	9.7
	4000/3	300	30	218	3	8	26	M24	250	9.7
BS 10	T/D	279.4	12.7			8	17.5	15.9	235	3.88
	T/E	279.4	17.5			8	22.2	19	235	5.36
	T/F	304.8	22.2			12	22.2	19	260.4	8.71

200 NB, PIPE OD 219.1

TABLE		FLANGE		RAISED FACE		HOLES		BOLT SIZE	PCD	MASS kg
		D	b	d ₃	f	No.	d ₁			
BS 4504	6/3	320	22	258	3	8	18	M16	280	6.4
	10/3	340	24	268	3	8	22	M20	295	8.7
	16/3	340	24	268	3	12	22	M20	295	8.4
	25/3	360	28	278	3	12	26	M24	310	12
	40/3	375	34	285	3	12	30	M27	320	16
SABS 1123	600/3	320	14	258	3	8	18	M16	280	6.21
	1000/3	340	18	268	3	8	22	M20	295	6.53
	1600/3	340	22	268	3	12	22	M20	295	7.7
	2500/3	360	28	278	3	12	26	M24	310	12
	4000/3	375	32	285	3	12	26	M24	320	15.06
BS 10	T/D	336.6	12.7			8	17.5	15.9	292.1	4.91
	T/E	336.6	19			8	22.2	19	292.1	7.59
	T/F	368.3	25.4			12	22.2	19	323.9	13.39