FLANGES

BS 4504; EN 1092-1; SANS 1123 and BS 10/1962

Tables D and E as amended 1965

TAURUS ENGINEERING SOLUTIONS
TEL: 031 533 5100 | CELL: 082 575 7802

Continued

15mm Nominal Bore — Pipe OD 21.3 (d_1)

Table		Flange					Raised face		Bolting	Drilling			Neck			Spigot	Boss	Approximate masses in kg's					
		D	b	b_1	h	h_1	d_4	f		No.	d_2	k	d_3	h_2 ≈	r	d_g	d_5	/2 (W/N)	/3 (S/O)	/4 (Scrwd)	/8 (Blind)	T/D	T/E
BS 4504	6	80	12	12	20	30	40	2	M10	4	11	55	30	6	4	-	30	0.39	0.40	0.37	0.44	-	-
	10	95	14	14	20	35	45	2	M12	4	14	65	32	6	4	-	35	0.65	0.67	0.61	0.71	-	-
	16	95	14	14	20	35	45	2	M12	4	14	65	32	6	4	-	35	0.65	0.67	0.61	0.71	-	-
	25	95	16	16	22	38	45	2	M12	4	14	65	32	6	4	-	35	0.75	0.76	0.71	0.81	-	-
	40	95	16	16	22	38	45	2	M12	4	14	65	32	6	4	-	35	0.75	0.76	0.71	0.81	-	-
EN 1092-1	6	80	12	12	20	30	40	2	M10	4	11	55	30	6	4	-	30	0.39	0.40	0.37	0.44	-	-
	10	95	14	14	20	35	45	2	M12	4	14	65	32	6	4	-	35	0.65	0.67	0.61	0.71	-	-
	16	95	14	14	20	35	45	2	M12	4	14	65	32	6	4	-	35	0.65	0.67	0.61	0.71	-	-
	25	95	16	14	22	38	45	2	M12	4	14	65	32	6	4	-	35	0.75	0.67	0.71	0.81	-	-
	40	95	16	14	22	38	45	2	M12	4	14	65	32	6	4	-	35	0.75	0.67	0.71	0.81	-	-
SANS 1123	600	80	8	10	16	30	40	2	M10	4	11	55	30	6	4	-	30	0.26	0.33	0.25	0.37	-	-
	1000	95	8	10	14	35	45	2	M12	4	14	65	32	6	4	-	35	0.37	0.48	0.45	0.41	-	-
	1600	95	8	10	14	35	45	2	M12	4	14	65	32	6	4	-	35	0.37	0.48	0.45	0.41	-	-
	2500	95	14	14	17	38	45	2	M12	4	14	65	32	6	4	-	35	0.65	0.76	0.49	0.71	-	-
	4000	95	14	14	20	38	45	2	M12	4	14	65	32	6	4	-	35	0.65	0.76	0.49	0.71	-	-
BS 10/1962	T/D	95.2	-	4.8	-	-	-	-	12	4	-	66.7	-	-	-	-	-	-	-	-	-	0.42	-
	T/E	95.2	-	6.3	-	-	-	-	12	4	-	66.7	-	-	-	-	-	-	-	-	-	-	0.42

20mm Nominal Bore — Pipe OD 26.9 (d_1)

Table		Flange					Raised face		Bolting	Drilling			Neck			Spigot	Boss	Approximate masses in kg's					
		D	b	b_1	h	h_1	d_4	f		No.	d_2	k	d_3	h_2 ≈	r	d_g	d_5	/2 (W/N)	/3 (S/O)	/4 (Scrwd)	/8 (Blind)	T/D	T/E
BS 4504	6	90	14	14	24	32	50	2	M10	4	11	65	38	6	4	-	40	0.59	0.58	0.59	0.66	-	-
	10	105	15	16	24	38	58	2	M12	4	14	75	40	6	4	-	45	0.95	0.93	0.91	1.00	-	-
	16	105	16	16	24	38	58	2	M12	4	14	75	40	6	4	-	45	0.95	0.93	0.91	1.00	-	-
	25	105	18	18	26	40	58	2	M12	4	14	75	40	6	4	-	45	1.06	1.04	1.03	1.10	-	-
	40	105	18	18	26	40	58	2	M12	4	14	75	40	6	4	-	45	1.06	1.04	1.03	1.10	-	-
EN 1092-1	6	90	14	14	24	32	50	2	M10	4	11	65	38	6	4	-	40	0.59	0.53	0.59	0.66	-	-
	10	105	15	16	24	38	58	2	M12	4	14	75	40	6	4	-	45	0.95	0.93	0.91	1.00	-	-
	16	105	16	16	24	38	58	2	M12	4	14	75	40	6	4	-	45	0.95	0.93	0.91	1.00	-	-
	25	105	16	18	26	40	58	2	M12	4	14	75	40	6	4	-	45	1.06	0.93	1.03	1.10	-	-
	40	105	16	18	26	40	58	2	M12	4	14	75	40	6	4	-	45	1.06	0.93	1.03	1.10	-	-
SANS 1123	600	90	10	10	18	32	50	2	M10	4	11	65	38	6	4	-	40	0.34	0.42	0.33	0.47	-	-
	1000	105	10	10	16	38	58	2	M12	4	14	75	40	6	4	-	45	0.48	0.58	0.55	0.50	-	-
	1600	105	10	10	16	38	58	2	M12	4	14	75	40	6	4	-	45	0.48	0.58	0.55	0.50	-	-
	2500	105	14	14	19	40	58	2	M12	4	14	75	40	6	4	-	45	0.82	1.04	0.63	0.86	-	-
	4000	105	14	14	22	40	58	2	M12	4	14	75	40	6	4	-	45	0.82	1.04	0.63	0.86	-	-
BS 10/1962	T/D	101.6	4.76	-	-	-	-	-	M12	4	14.2	73.0	-	-	-	-	-	-	-	-	-	0.53	-
	T/E	101.6	6.35	-	-	-	-	-	M12	4	14.2	73.0	-	-	-	-	-	-	-	-	-	-	0.53