



Concrete Products Specification

Size (m)	G.L.(m) Weight	Arm (m)	F.S.	Mw (kg-m)	Force kg.	Mu (kg-m)	Force kg.	φ mm. No.	Volume (C.G.)
Pole									
8.00 (12*12,20*20)	1.50 501 kg	*Short 6.30 Long 6.35	3 3	760 760	120.63 119.69	2,280 2,280	361.90 359.06	4 16	0.209 (4.74)
9.00 (12*12,21*21)	1.50 602 kg	*Short 7.30 Long 7.35	3 3	1,070 1,070	146.58 145.58	3,210 3,210	439.73 436.73	4 20	0.251 (5.41)
12.00 (15*18,24*27)	2.00 1,281 kg	Short 9.85 *Long 9.90	2.8 3	2,550 2,550	258.88 257.58	7,140 7,650	724.87 772.73	5 24	0.534 (6.96)
12.20 (18*18,34*34)	2.20 2,040 kg	Short 9.85 *Long 9.90	2 2	5,900 5,900	598.98 595.96	11,800 11,800	1,197.97 1,191.92	5 36	0.850 (7.47)
14.00 (16*20,30*30.5)	2.00 1,991 kg	Short 11.85 *Long 11.90	2.8 3	3,590 3,590	302.95 301.68	10,052 10,770	848.27 905.04	5 28	0.829 (8.33)
14.30 (22*22,38*38)	2.30 3,159 kg	Short 11.85 *Long 11.90	2 2	9,000 9,000	759.49 756.30	18,000 18,000	1,518.99 1,512.61	5 52	1.316 (8.56)
16.00 (16*20,34*34)	2.20 2,671 kg	Short 13.65 *Long 13.70	3 3	5,300 5,300	388.28 386.86	15,900 15,900	1,164.84 1,160.58	5 36	1.113 (9.81)
22.00 (25*25,44*44)	2.00 5,788 kg	Short 19.80 *Long 19.90	2 2	18,000 18,000	904.52 904.52	36,000 36,000	1,809.05 1,809.05	5 76	2.412 (12.56)
Cross-Arm									
0.10*1.50 36 kg		Short 0.60 *Long 0.65	3 3	225 225	375.00 346.15	675 675	1,125.00 1,038.46	4 12	0.015
0.10*2.50 60 kg		Short 1.10 *Long 1.15	3 3	265 265	240.91 230.43	795 795	722.73 691.30	4 12	0.025
0.10*3.20 77 kg		Short 1.00 *Long 1.00	3 3	265 265	265.00 265.00	795 795	795.00 795.00	4 12	0.032
0.12*2.00 70 kg		*Short 0.85 Long 0.90	3 2	450 450	529.41 500.00	1,350 900	1,588.24 1,000.00	5 12	0.029
0.12*2.50 86 kg		*Short 1.10 Long 1.15	3 2	500 500	454.55 434.78	1,500 1,000	1,363.64 869.57	5 16	0.036
0.12*3.00 103 kg		Short 1.35 *Long 1.40	3 3	390 390	288.89 278.57	1,170 1,170	866.67 835.71	5 12	0.043
Beam									
0.15*0.25*3.55 (320kg)		*Short 1.50	3	1,200	800.00	3,600	2,400.00	4 16	0.133
Stub & Pile									
0.25*0.25*(3.50-5.50) (488,619,751kg)		*Short 8.95	3	1,470	164.25	4,410	492.74	4 20	0.203,0.258,0.313 (1.66,2.14,2.63)
0.30*0.30*(4.50-6.50) (887,1074,1261kg)		*Short 11.95	3	3,300	276.15	9,900	828.45	5 24	0.370,0.448,0.526 (2.13,2.62,3.10)
0.35*0.35*(4.50-6.50) (1203,1456,1709kg)		*Short 13.95	3	4,700	336.92	14,100	1,010.75	5 28	0.501,0.607,0.712 (2.13,2.61,3.09)
0.36*0.36*(4.50*6.50) (1278,1549,1819kg)		*Short 11.95	2	7,200	602.51	14,400	1,205.02	5 36	0.533,0.645,0.758 (2.14,2.62,3.10)
0.40*0.40*(5.50-7.50) (1765,2056,2346kg)		*Short 15.95	3	8,200	514.11	24,600	1,542.32	5 36	0.736,0.857,0.978 (2.53,2.99,3.46)
0.41*0.41*(5.50-7.50) (1871,2181,2491kg)		*Short 13.95	2	10,750	770.61	21,500	1,541.22	5 44	0.780,0.909,1.038 (2.54,3.01,3.48)
0.44*0.44 (10 t-m) (2381,3074,4978kg)		*Short 21.90	2	10,000	456.62	20,000	913.24	5 32	0.992,1.281,2.074 (2.95,3.91,6.66)
0.44*0.44 (14 t-m) (2381,3074,4978kg)		*Short 21.90	2	14,000	639.27	28,000	1,278.54	5 56	0.992,1.281,2.074 (2.95,3.91,6.66)