



LLANTA BULBO –BULB FLAT

Measurement	b (mm)	t (mm)	c (mm)	r (mm)	Section (cm ²)	Metric Weight (kg/m)	Surface Area (m ² /m)	dx (cm)	Ixx (cm ⁴)	Wxx (cm ³)
60x4	60 ±1.5	4+0.7 / -0.3	13	3.5	3.58	2.81	0.146	3.82	12.2	3.20
60 x 5	60 ±1.5	5+0.7 / -0.3	13	3.5	4.18	3.28	0.148	3.70	14.4	3.89
60x6	60 ±1.5	6+0.7 / -0.3	13	3.5	4.78	3.75	0.150	3.62	16.4	4.55
80 x 5	80 ±1.5	5+0.7 / -0.3	14	4	5.41	4.25	0.189	4.90	33.87	6.91
80 x 6	80 ±1.5	6+0.7 / -0.3	14	4	6.21	4.88	0.191	4.78	38.7	8.15
80 x 7	80 ±1.5	7+0.7 / -0.3	14	4	7.00	5.50	0.194	4.69	43.3	9.24
80 x 8	80 ±1.5	8+0.7 / -0.3	14	4	7.80	6.12	0.196	4.62	48.0	10.39
100 x 6	100 ±1.5	6+0.7 / -0.3	15.5	4.5	7.74	6.08	0.234	5.98	76.1	12.7
100 x 7	100 ±1.5	7+0.7 / -0.3	15.5	4.5	8.74	6.86	0.236	5.87	85.3	14.5
100 x 8	100 ±1.5	8+0.7 / -0.3	15.5	4.5	9.74	7.65	0.238	5.78	94.3	16.3
120 x 6	120 ±1.5	6+0.7 / -0.3	17	5	9.32	7.32	0.276	7.21	133	18.5
120 x 7	120 ±1.5	7+0.7 / -0.3	17	5	10.52	8.26	0.278	7.07	149	21.0
120 x 8	120 ±1.5	8+0.7 / -0.3	17	5	11.72	9.2	0.280	6.96	165	23.6
140 x 7	140 ±2	7+1 / -0.3	19	5.5	12.43	9.75	0.320	8.32	241	29.0
140 x 8	140 ±2	8+1 / -0.3	19	5.5	13.83	10.85	0.322	8.18	266	32.5
140 x 9	140 ±2	9+1 / -0.3	19	5.5	15.2	11.9	0.324	8.07	291	36.0
160 x 7	160 ±2	7+1 / -0.3	22	6	14.6	11.46	0.365	9.55	373	38.6
160 x 8	160 ±2	8+1 / -0.3	22	6	16.2	12.72	0.367	9.50	411	43.9
160 x 9	160 ±2	9+1 / -0.3	22	6	17.8	13.97	0.369	9.37	449	47.9
180 x 8	180 ±2	8+1 / -0.3	25	7	18.86	14.8	0.411	10.89	609	55.9
180 x 9	180 ±2	9+1 / -0.3	25	7	20.86	16.22	0.413	10.73	664	61.8
180 x 10	180 ±2	10+1 / -0.3	25	7	22.46	17.63	0.415	10.59	717	67.7
180 x 11	180 ±2	11+1 / -0.3	25	7	24.26	19.04	0.417	10.47	770	73.5

200 x 9	200 ±3	9 +1 / -0.4	28	8	23.66	18.57	0.457	12.12	942	77.7
200 x 10	200 ±3	10 +1 / -0.4	28	8	25.66	20.14	0.459	11.96	1017	85.1
200 x 11	200 ±3	11 +1 / -0.4	28	8	27.66	21.71	0.461	11.82	1091	92.3
200 x 12	200 ±3	12 +1 / -0.4	28	8	29.66	23.28	0.463	11.69	1164	99.5
220 x 10	220 ±3	10 +1 / -0.4	31	9	29	22.77	0.503	13.35	1396	105
220 x 11	220 ±3	11 +1 / -0.4	31	9	31.2	24.5	0.506	13.19	1496	114
220 x 12	220 ±3	12 +1 / -0.4	31	9	33.4	26.22	0.507	13.04	1595	122
240 x 10	240 ±3	10 +1 / -0.4	34	10	32.49	25.5	0.547	14.77	1865	126
240 x 11	240 ±3	11 +1 / -0.4	34	10	34.89	27.39	0.549	14.58	1997	137
240 x 12	240 ±3	12 +1 / -0.4	34	10	37.29	29.27	0.551	14.42	2127	148
260 x 10	260 ±3	10 +1 / -0.4	37	11th	36.11	28.35	0.591	16.22	2434	150
260 x 11	260 ±3	11 +1 / -0.4	37	11th	38.71	30.39	0.593	16	2605	163
260 x 12	260 ±3	12 +1 / -0.4	37	11th	41.31	32.43	0.595	15.81	2774	175
280 x 11	280 ±3	11 +1 / -0.4	40	12	42.68	33.5	0.637	17.44	3333	191
280 x 12	280 ±3	12 +1 / -0.4	40	12	45.48	35.7	0.639	17.23	3647	206
280 x 13	280 ±3	13 +1 / -0.4	40	12	48.28	37.9	0.641	17.04	3757	221
300 x 11	300 ±3	11 +1.2 / -0.4	43	13	46.78	36.7	0.681	18.9	4192	222
300 x 12	300 ±3	12 +1.2 / -0.4	43	13	49.79	39.09	0.683	18.7	4459	239
300 x 13	300 ±3	13 +1.2 / -0.4	43	13	52.79	41.44	0.685	18.45	4722	256
320x12	320 ±4	12 +1.2 / -0.4	46	14	54.25	42.6	0.728	20.12	5525	275
320x13	320 ±4	13 +1.2 / -0.4	46	14	57.45	45.09	0.73	19.89	5849	294
320x14	320 ±4	14 +1.2 / -0.4	46	14	60.85	47.6	0.732	19.68	6168	313
340 x 12	340 ±4	12 +1.2 / -0.4	49	15	58.84	46.20	0.772	21.69	6,757	313
340 x 13	340 ±4	13 +1.2 / -0.4	49	15	62.24	48.86	0.774	21.34	7,152	335
340x14	340 ±4	14 +1.2 / -0.4	49	15	65.54	51.50	0.776	21.10	7,540	357
370x13	370 ±4	13 +1.2 / -0.4	53.5	16.5	69.70	54.70	0.840	23.54	9,469	402
340x14	340 ±4	14 +1.2 / -0.4	49	15	65.54	51.50	0.776	21.10	7,540	357
370x13	370 ±4	13 +1.2 / -0.4	53.5	16.5	69.70	54.70	0.840	23.54	9,469	402
370x14	370 ±4	14 +1.2 / -0.4	53.5	16.5	73.40	57.60	0.842	23.29	9,980	429
370x15	370 ±4	15 +1.2 / -0.4	53.5	16.5	77.10	60.50	0.844	23.06	10,483	456
400 x 14	400 ±4	14 +1.2 / -0.4	58	18	81.48	63.96	0.908	25.49	12,924	507

400 x 15	400 ±4	15 +1.2 / -0.4	58	18	85.48	67.10	0.910	25.24	13,573	538
400 x 16	400 ±4	16 +1.2 / -0.4	58	18	89.48	70.20	0.912	25.00	14,211	568
430x14	430 ±4	14 +1.2 / -0.4	62.5	19.5	89.70	70.60	0.975	27.70	16,460	594
430 x 15	430 ±4	15 +1.2 / -0.4	62.5	19.5	94.19	73.90	0.976	27.46	17,249	629
430 x 17	430 ±4	17 +1.2 / -0.4	62.5	19.5	102.79	80.70	0.980	26.95	18,853	700
430 x 19	430 ±4	19 +1.2 / -0.4	62.5	19.5	111.39	87.40	0.984	26.53	20,413	770
430 x 20	430 ±4	20 +1.2 / -0.4	62.5	19.5	115.00	90.80	0.986	26.30	21,180	804