

Tabla de capacidades de grúa DERRICK 16 T

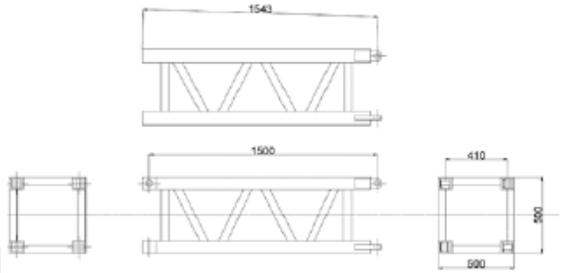
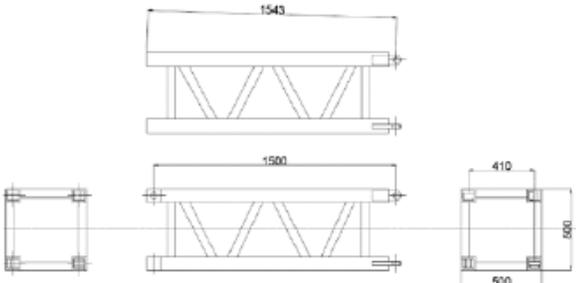
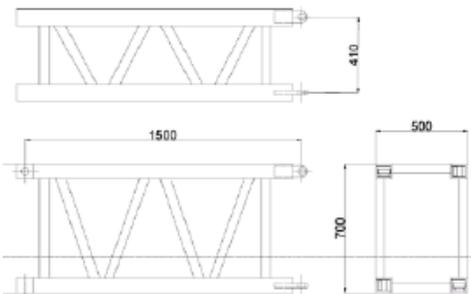
Elemento	Medidas
<p style="text-align: center;">Pluma/Brazo</p> 	<p>Cuerda: 3"x3"x3/8"</p> <p>Diagonal: 2"x2"x1/4"</p> <p>Montante: 2"x2"x1/4"</p>
<p style="text-align: center;">Mástil</p> 	<p>Cuerda: 3"x3"x3/8"</p> <p>Diagonal: 2"x2"x1/4"</p> <p>Montante: 2"x2"x1/4"</p>
<p style="text-align: center;">Piernas/Vientos</p> 	<p>Cuerda: 2.5"x2.5"x3/8"</p> <p>Diagonal: 2"x2"x1/4"</p> <p>Montante: 2"x2"x1/4"</p>

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Para la revisión de la carga se analizaron 8 posiciones B, en planta separadas a cada 22.5° como se muestra en la siguiente imagen:

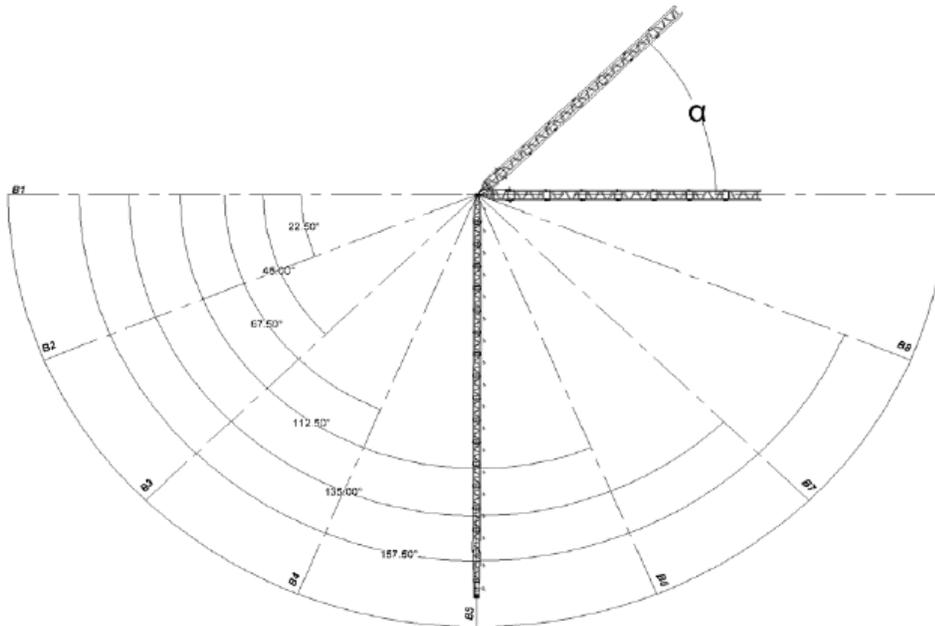


Imagen 1 Posiciones de la grúa en planta

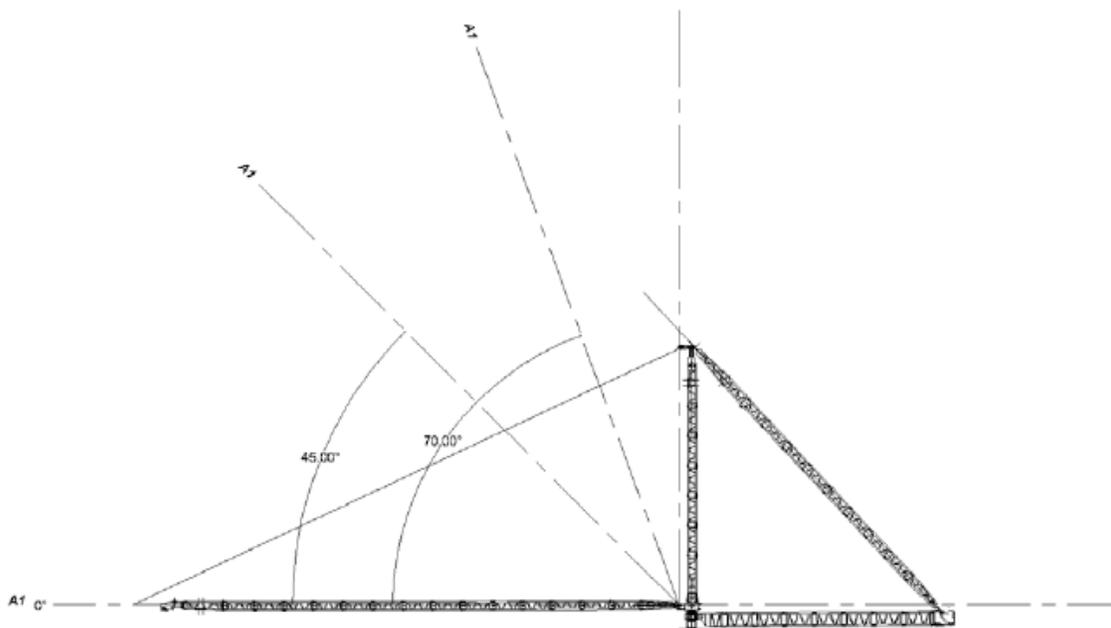


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GRÚA DERRICK. 16 TON.

TABLA DE CAPACIDADES Y REACCIONES EN LOS APOYOS PARA LA GRÚA DERRICK

Angulo	Carga de Izaje(KG)	REACCIÓN EN EL APOYO DEL MASTIL "RA" (TONELADAS)	REACCIÓN EN LA UNIÓN PIERNA-VIENTO "RB" (TONELADAS)
70°	16000	18.6	7.5
60°	14000	19.8	10.1
50°	12500	20.5	11.9
45°	11000	20.7	12.5
40°	9000	20.7	13.0
30°	8100	20.2	13.3
20°	7100	19.2	12.9
10°	6000	17.6	9.9
0°	5500	15.4	9.2

Altura (m)	Distancia (m)	Carga (kg)
0.00	28.00	5500
4.86	27.57	6000
9.58	26.31	7100
14.00	24.25	8100
18.00	21.45	9000
19.80	19.80	11000
21.45	18.00	12500
24.25	14.00	14100
26.31	9.58	16000

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Grúas y transportes
CARGAMEX S.A. de C.V.

Diámetro (mm)	Carga (Kg)
18.87	4000
18.81	7100
18.75	10200
18.69	13300
18.63	16400
18.57	19500
18.51	22600
18.45	25700

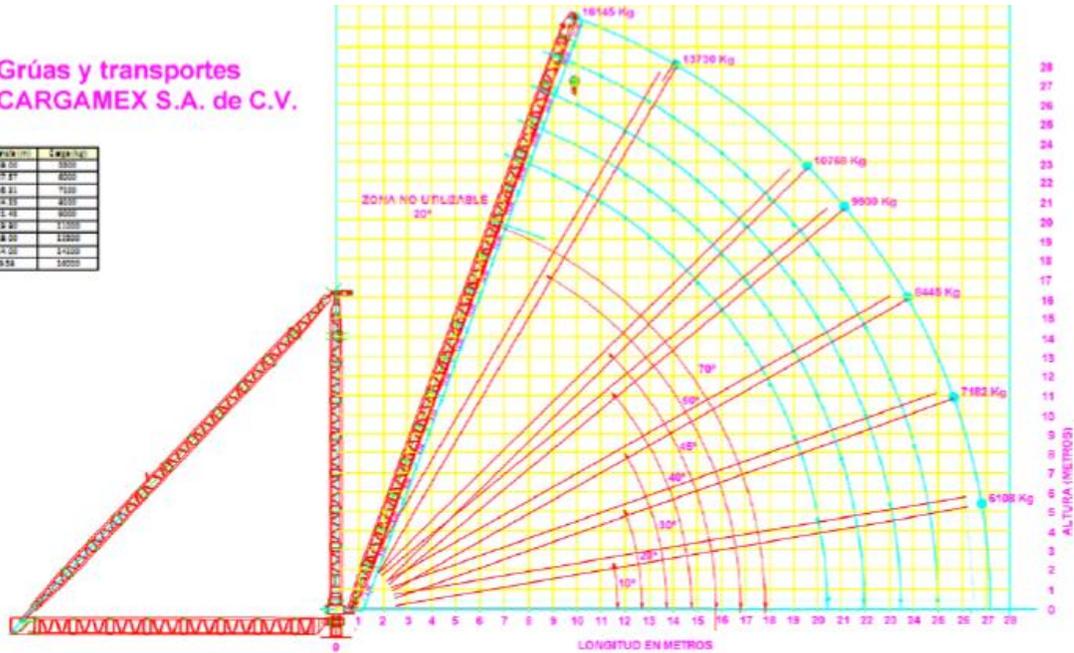


TABLA DE CAPACIDADES
Derrick 16 Toneladas

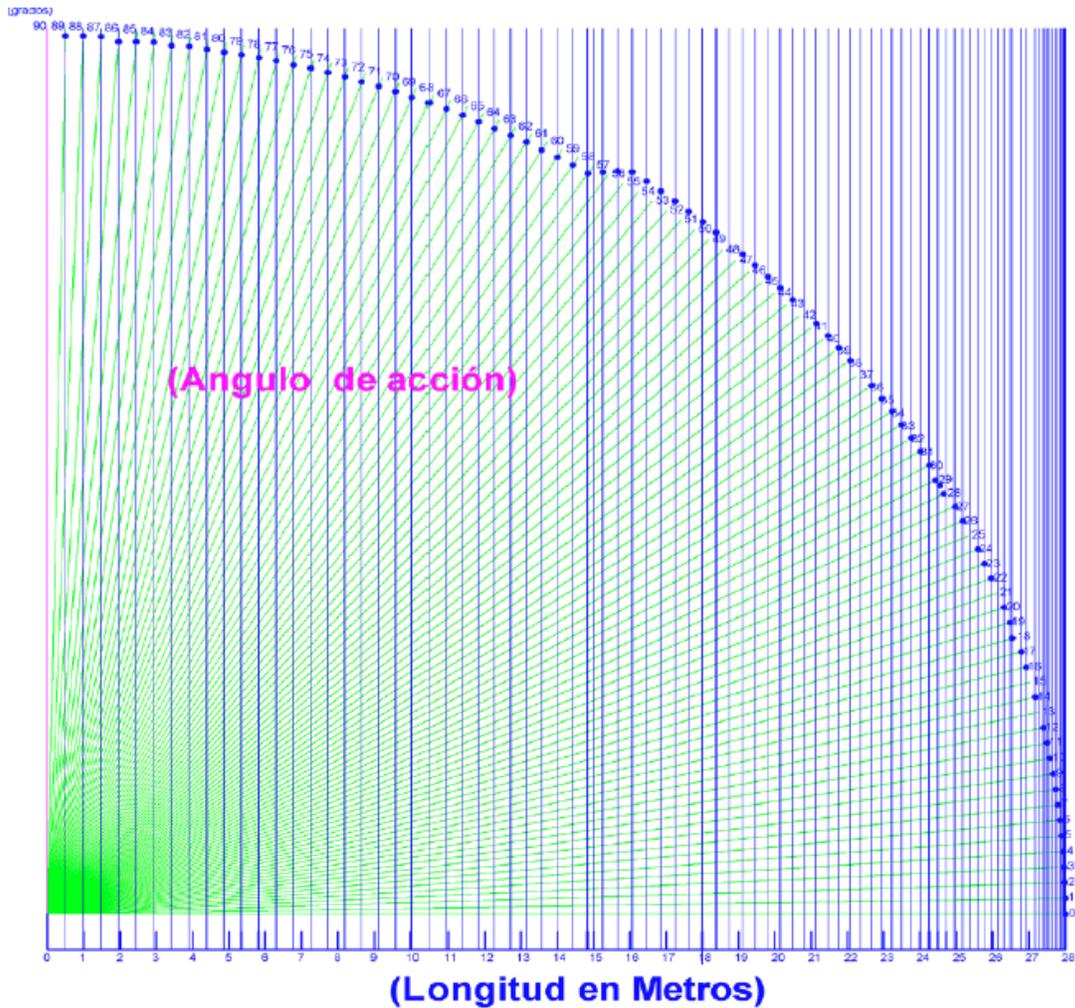


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<i>Angula</i>	<i>Altura (m)</i>	<i>Distancio (m)</i>	<i>Corgo máximo de tzoje (kg)</i>
90	28.00	0.00	22323.48
89	28.00	0.49	21964.75
88	27.98	0.98	21611.79
87	27.96	1.47	21264.50
86	27.93	1.95	20922.79
85	27.89	2.44	20586.57
84	27.85	2.93	20255.75
83	27.79	3.41	19930.25
82	27.73	3.90	19609.98
81	27.66	4.38	19294.86
80	27.57	4.86	18984.80
79	27.49	5.34	18679.73
78	27.39	5.82	18379.55
77	27.28	6.30	18084.20
76	27.17	6.77	17793.60
75	27.05	7.25	17507.67
74	26.92	7.72	17226.33
73	26.78	8.19	16949.51
72	26.63	8.65	16677.14
71	26.47	9.12	16409.15
70	26.31	9.58	16145.46
69	26.14	10.03	15886.01
68	25.96	10.49	15630.73
67	25.77	10.94	15379.55
66	25.58	11.39	15132.41
65	25.38	11.83	14889.24
64	25.17	12.27	14649.98
63	24.95	12.71	14414.56
62	24.72	13.15	14182.93
61	24.49	13.57	13955.01
60	24.25	14.00	13730.76
59	24.00	14.42	13510.12

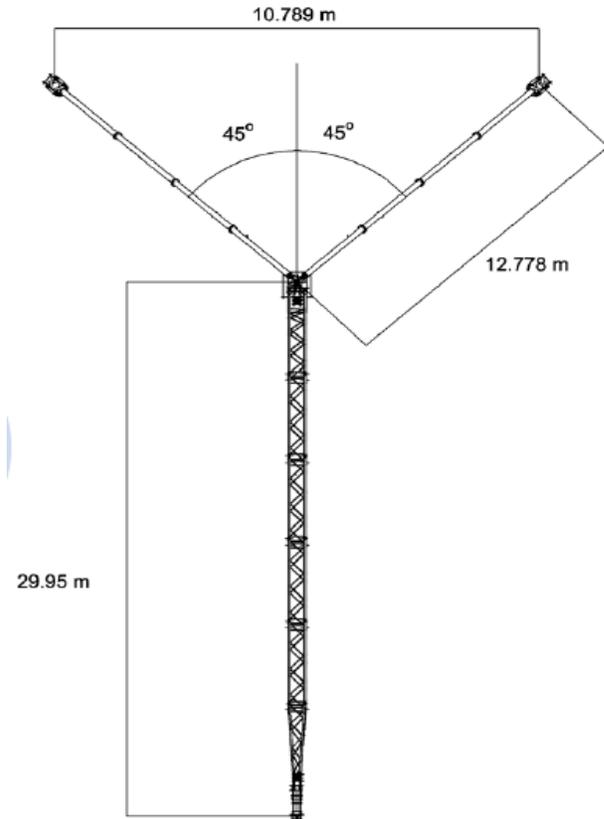
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58	23.75	14.84	13293.02
57	23.48	15.25	13079.41
56	23.21	15.66	12869.23
55	22.94	16.06	12662.42
54	22.65	16.46	12458.95
53	22.36	16.85	12258.74
52	22.06	17.24	12061.75
51	21.76	17.62	11867.92
50	21.45	18.00	11677.21
49	21.13	18.37	11489.56
48	20.81	18.74	11304.93
47	20.48	19.10	11123.27
46	20.14	19.45	10944.52
45	19.80	19.80	10768.65
44	19.45	20.14	10595.60
43	19.10	20.48	10425.33
42	18.74	20.81	10257.80
41	18.37	21.13	10092.97
40	18.00	21.45	9930.78
39	17.62	21.76	9771.20
38	17.24	22.06	9614.18
37	16.85	22.36	9459.68
36	16.46	22.65	9307.67
35	16.06	22.94	9158.10
34	15.66	23.21	9010.94
33	15.25	23.48	8866.13
32	14.84	23.75	8723.66
31	14.42	24.00	8583.48
30	14.00	24.25	8445.54
29	13.57	24.49	8309.83
28	13.15	24.72	8176.29
27	12.71	24.95	8044.90
26	12.27	25.17	7915.63
25	11.83	25.38	7788.43

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24	11.39	25.58	7663.27
23	10.94	25.77	7540.13
22	10.49	25.96	7418.96
21	10.03	26.14	7299.74
20	9.58	26.31	7182.44
19	9.12	26.47	7067.02
18	8.65	26.63	6953.46
17	8.19	26.78	6841.72
16	7.72	26.92	6731.78
15	7.25	27.05	6623.60
14	6.77	27.17	6517.16
13	6.30	27.28	6412.43
12	5.82	27.39	6309.39
11	5.34	27.49	6208.00
10	4.86	27.57	6108.24
9	4.38	27.66	6010.08
8	3.90	27.73	5913.51
7	3.41	27.79	5818.48
6	2.93	27.85	5724.98
5	2.44	27.89	5632.98
4	1.95	27.93	5542.46
3	1.47	27.96	5453.40
2	0.98	27.98	5365.76
1	0.49	28.00	5279.54
0	0.00	28.00	5194.70

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PLANTA (puntos de apoyo)

