

A4 EN 14439 - C50 - D50

## TOWER CONFIGURATION - REACTIONS

CONFIGURAZIONE TORRE - REAZIONI / CONFIGURATION TOUR - RÉACTIONS / TORRE DE CONFIGURACIÓN - REACCIONES / КОНФИГУРАЦИЯ БАШНИ — РЕАКЦИИ

### EN 14439 - C50

#### ▣ 1,5 m L = 4,5 m - A

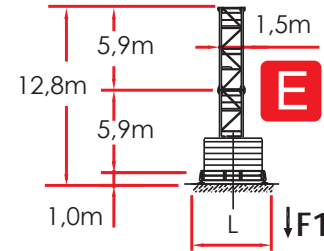
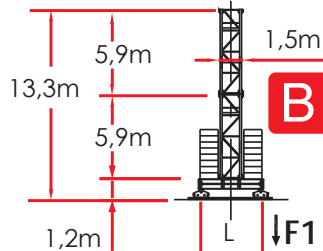
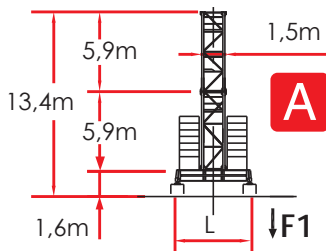
	H (m)	Z (t)	F1(kN)
7	-	-	-
6	2,95 m	45.30	86.52
5	5,9 m	42.35	74.7
4	5,9 m	36.45	57.02
3	5,9 m	30.55	51.12
2	5,9 m	24.65	45.22
+1	5,9 m	18.75	45.22

#### ▣ 1,5 m L = 4,5 m - B

	H (m)	Z (t)	F1(kN)
7	-	-	-
6	2,95 m	44.90	82.6
5	5,9 m	41.95	70.8
4	5,9 m	36.05	53.1
3	5,9 m	30.15	47.2
2	5,9 m	24.25	41.3
+1	5,9 m	18.35	41.3

#### ▣ 1,5 m L = 4,5 m - E

	H (m)	Z (t)	F1(kN)
7	-	-	-
6	2,95 m	44.70	82.6
5	5,9 m	41.75	70.8
4	5,9 m	35.85	53.1
3	5,9 m	29.95	47.2
2	5,9 m	24.05	41.3
+1	5,9 m	18.15	41.3



#### ▣ 1,5 m L = 3,8 m - A

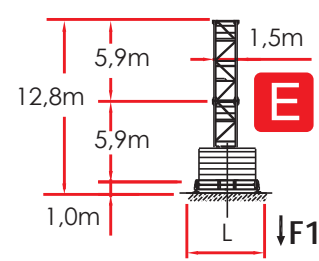
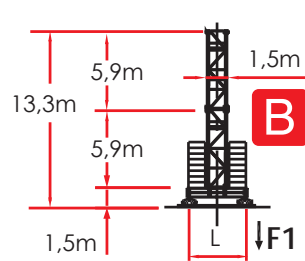
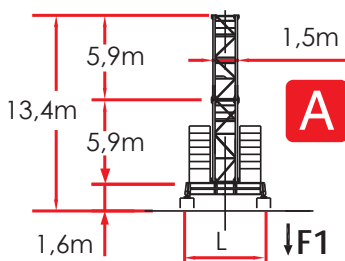
	H (m)	Z (t)	F1(kN)
7	-	-	-
6	4,425m	46.78	104.22
5	5,9 m	42.35	80.62
4	5,9 m	36.45	74.72
3	5,9 m	30.55	62.92
2	5,9 m	24.65	57.02
+1	5,9 m	18.75	57.02

#### ▣ 1,5 m L = 3,8 m - B

	H (m)	Z (t)	F1(kN)
7	-	-	-
6	4,425m	46.38	100.3
5	5,9 m	41.95	76.7
4	5,9 m	36.05	70.8
3	5,9 m	30.15	59.0
2	5,9 m	24.25	53.1
+1	5,9 m	18.35	53.1

#### ▣ 1,5 m L = 3,8 m - E

	H (m)	Z (t)	F1(kN)
7	-	-	-
6	4,425m	46.18	100.3
5	5,9 m	41.75	76.7
4	5,9 m	35.85	70.8
3	5,9 m	29.95	59.0
2	5,9 m	24.05	53.1
+1	5,9 m	18.15	53.1



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### EN 14439 - C50

#### ▣ 1,5 m - D

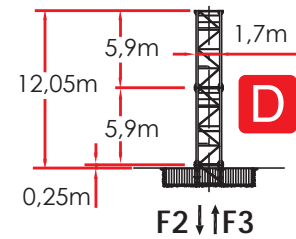
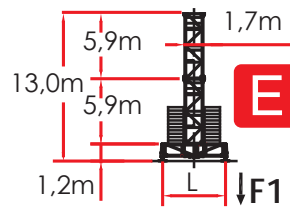
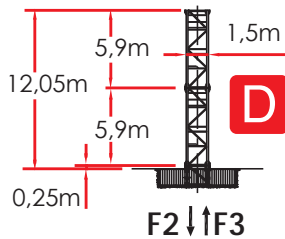
	H (m)	F2(kN)	F3(kN)
7 -	-	-	-
6	4,425m	45.43	1472
5	5,9 m	41.00	1195
4	5,9 m	35.10	877
3	5,9 m	29.20	733
2	5,9 m	23.30	667
+1	5,9 m	17.40	612

#### ▣ 1,7 m L = 4,5 m E\_GR3

	H (m)	Z (t)	F1(kN)
7 -	-	-	-
6 -	-	-	-
5	2,95 m	46.20	82.6
4	5,9 m	43.25	70.8
3	5,9 m	37.35	53.1
2	5,9 m	31.45	41.3
+1	5,9 m	25.55	41.3

#### ▣ 1,7 m D\_GR3

	H (m)	F2(kN)	F3(kN)
7 -	-	-	-
6 -	-	-	-
5	2,95 m	45.45	1241
4	5,9 m	42.50	1081
3	5,9 m	36.60	803
2	5,9 m	30.70	643
+1	5,9 m	24.80	587



Comply with the specified ballast / Attenersi alla zavorra indicata / S'en tenir au lest indiqué / respetar el peso de lastre indicado / Соблюдать указанный балласт

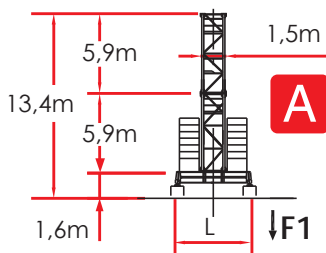
## TOWER CONFIGURATION - REACTIONS

CONFIGURAZIONE TORRE - REAZIONI / CONFIGURATION TOUR - RÉACTIONS / TORRE DE CONFIGURACIÓN - REACCIONES / КОНФИГУРАЦИЯ БАШНИ - РЕАКЦИИ

### EN 14439 - D50

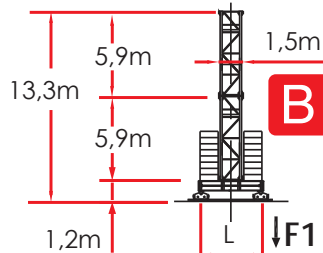
#### ▣ 1,5 m L = 4,5 m - A

	H (m)	Z (t)	F1(kN)
7	-	-	-
6	-	-	-
5	2,95 m	39,40	74,72 847
4	5,9 m	36,45	57,12 722
3	5,9 m	30,55	51,12 506
2	5,9 m	24,65	45,22 389
+1	5,9 m	18,75	45,22 368



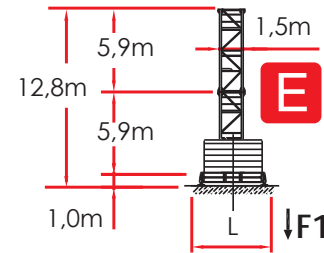
#### ▣ 1,5 m L = 4,5 m - B

	H (m)	Z (t)	F1(kN)
7	-	-	-
6	-	-	-
5	2,95 m	39,00	82,6 782
4	5,9 m	36,05	59,0 661
3	5,9 m	30,05	47,2 457
2	5,9 m	24,25	41,3 378
+1	5,9 m	18,35	41,3 357



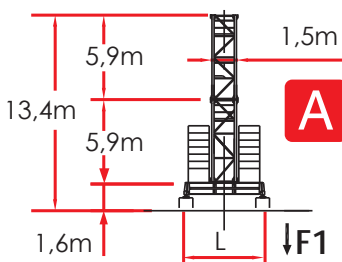
#### ▣ 1,5 m L = 4,5 m - E

	H (m)	Z (t)	F1(kN)
7	-	-	-
6	-	-	-
5	2,95 m	38,80	82,6 825
4	5,9 m	35,85	59,0 699
3	5,9 m	29,95	47,2 485
2	5,9 m	24,05	41,3 378
+1	5,9 m	18,15	41,3 357



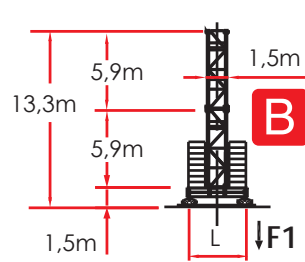
#### ▣ 1,5 m L = 3,8 m - A

	H (m)	Z (t)	F1(kN)
7	-	-	-
6	1,475 m	40,88	104,22 1158
5	2,95 m	39,40	80,62 1021
4	5,9 m	36,45	74,72 860
3	5,9 m	30,55	62,92 603
2	5,9 m	24,65	57,02 450
+1	5,9 m	18,75	57,02 426



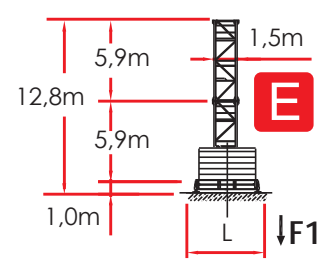
#### ▣ 1,5 m L = 3,8 m - B

	H (m)	Z (t)	F1(kN)
7	-	-	-
6	1,475 m	40,48	112,1 1133
5	2,95 m	39,00	112,1 1019
4	5,9 m	36,05	76,7 847
3	5,9 m	30,05	59,0 581
2	5,9 m	24,25	53,1 438
+1	5,9 m	18,35	53,1 415



#### ▣ 1,5 m L = 3,8 m - E

	H (m)	Z (t)	F1(kN)
7	-	-	-
6	1,475 m	40,28	112,1 1133
5	2,95 m	38,80	112,1 1019
4	5,9 m	35,85	76,7 847
3	5,9 m	29,95	59,0 581
2	5,9 m	24,05	53,1 438
+1	5,9 m	18,15	53,1 415



## TOWER CONFIGURATION - REACTIONS

CONFIGURAZIONE TORRE - REAZIONI / CONFIGURATION TOUR - RÉACTIONS / TORRE DE CONFIGURACIÓN - REACCIONES / КОНФИГУРАЦИЯ БАШНИ - РЕАКЦИИ

### EN 14439 - D50

#### ▣ 1,5 m - D

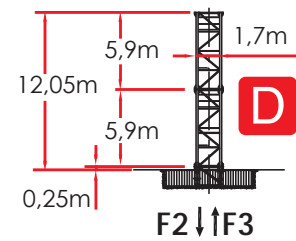
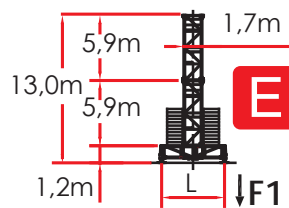
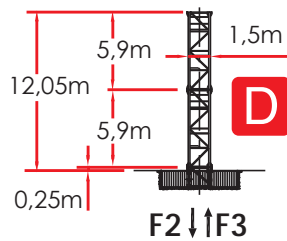
	H (m)	F2(kN)	F3(kN)
7 -	-	-	-
6 -	-	-	-
5	5,9 m	41,00	1662 1441
4	5,9 m	35,10	1229 1018
3	5,9 m	29,20	867 666
2	5,9 m	23,30	667 491
+1	5,9 m	17,40	612 447

#### ▣ 1,7 m L = 4,5 m E\_GR3

	H (m)	Z (t)	F1(kN)
7 -	-	-	-
6 -	-	-	-
5	2,95 m	40,30	88,5 921
4	5,9 m	37,35	70,8 789
3	5,9 m	31,45	41,3 555
2	5,9 m	25,55	41,3 390
+1	5,9 m	19,65	41,3 369

#### ▣ 1,7 m D\_GR3

	H (m)	F2(kN)	F3(kN)
7 -	-	-	-
6 -	-	-	-
5	5,9 m	42,50	1498 1286
4	5,9 m	36,60	1120 916
3	5,9 m	30,70	801 606
2	5,9 m	24,80	590 417
+1	5,9 m	18,90	546 374



Comply with the specified ballast / Attenersi alla zavorra indicata / S'en tenir au lest indiqué / respetar el peso de lastre indicado / Соблюдать указанный балласт

## LOAD DIAGRAMS 4.0 T

DIAGRAMMA DI PORTATA / DIAGRAMME DE CHARGE UTILE / CURVAS DE CARGA /  
 ДИАГРАММА ГРУЗОПОДЪЕМНОСТИ

### 4.000 Kg

JIB	24.0	30.0	36.0	42.0	48.0	50.0	54.0	60.0
1,6 ▶	17.5	30.0	33.6	33.2	33.0	33.0	28.5	24.4
12	4000	4000	4000	4000	4000	4000	4000	4000
14	4000	4000	4000	4000	4000	4000	4000	4000
16	4000	4000	4000	4000	4000	4000	4000	4000
18	4000	4000	4000	4000	4000	4000	4000	4000
20	4000	4000	4000	4000	4000	4000	4000	4000
22	4000	4000	4000	4000	4000	4000	4000	4000
24	<b>4000</b>	4000	4000	4000	4000	4000	4000	4000
26		4000	4000	4000	4000	4000	4000	3832
28		4000	4000	4000	4000	4000	4000	3571
30		<b>4000</b>	4000	4000	4000	4000	3873	3247
32			4000	4000	4000	4000	3597	3010
34			3979	3832	3767	3766	3353	2801
36			<b>3730</b>	3592	3530	3530	3138	2618
38				3327	3319	3318	2944	2453
40				3184	3129	3128	2772	2305
42				<b>3010</b>	2957	2957	2615	2171
44					2802	2801	2474	2050
46					2660	2559	2345	1939
48					<b>2530</b>	2529	2226	1838
50						<b>2410</b>	2117	1745
52							2017	1659
54							<b>1925</b>	1580
56								1507
58								1438
60								<b>1375</b>



**ULTRALIFT** \_ALL INTERMEDIATE LOADS ARE DECREASED OF 10% IF THE CRANE IS NOT EQUIPPED WITH ULTRALIFT CONTROL / SENZA IL SISTEMA ULTRALIFT TUTTE LE PORTATE INTERMEDIE DIMINUISCONO IL CARICO DEL 10% / LES CHARGES INTERMEDIARES SONT DIMINUÉES DE 10% SI LA GRUE N'EST PAS ÉQUIPÉ D'UN CONTROLE ULTRALIFT / SIN EL SISTEMA ULTRALIFT LOS MISAURA INTERMEDIOS DISMINUIR EL CARICO DEL 10% / БЕЗ ULTRALIFT ПРОМЕЖУТОЧНОЙ УМЕНЬШАЕТСЯ НА 10% НАГРУЗКИ.

# MRT 111

## LOAD DIAGRAMS 8.0 T

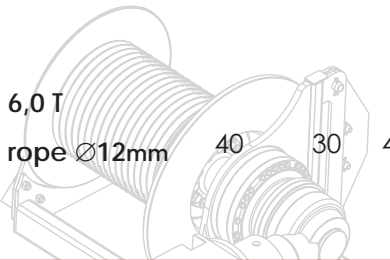
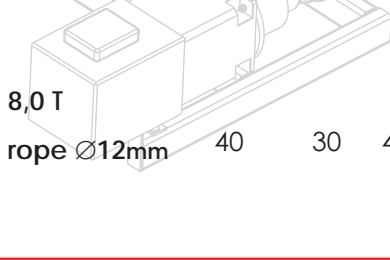
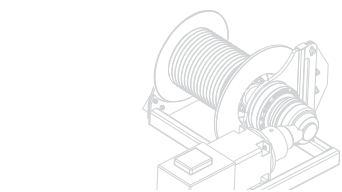
DIAGRAMMA DI PORTATA / DIAGRAMME DE CHARGE UTILE / CURVAS DE CARGA /  
 ДИАГРАММА ГРУЗОПОДЪЕМНОСТИ

8.000 Kg

JIB	24.0	30.0	36.0	42.0	48.0	50.0	54.0	60.0
1,6 ▶	18.5	18.0	17.5	17.0	16.8	16.8	15.0	13.0
12	8000	8000	8000	8000	8000	8000	8000	8000
14	8000	8000	8000	8000	8000	8000	8000	7598
16	8000	8000	8000	8000	8000	8000	7550	6528
18	8000	8000	7742	7640	7539	7508	6617	5706
20	7289	7192	6885	6794	6703	6676	5877	5056
22	6551	6467	6190	6107	6025	6000	5276	4527
24	<b>5940</b>	5868	5614	5538	5463	5440	4779	4090
26		5363	5129	5060	4990	4969	4360	3722
28		4932	4715	4651	4587	4567	4003	3407
30		<b>4560</b>	4358	4298	4238	4220	3694	3137
32			4047	3991	3935	3918	3425	2900
34			3773	3720	3667	3652	3189	2691
36			<b>3630</b>	3480	3430	3416	2979	2508
38				3266	3219	3205	2792	2343
40				3074	3029	3016	2624	2195
42				<b>2900</b>	2857	2845	2472	2061
44					2702	2690	2334	1940
46						2560	2208	1829
48						<b>2430</b>	2093	1728
50							<b>2300</b>	1635
52							1890	1550
54							<b>1800</b>	1470
56								1397
58								1329
60								<b>1265</b>

ULTRALIFT \_ALL INTERMEDIATE LOADS ARE DECREASED OF 10% IF THE CRANE IS NOT EQUIPPED WITH ULTRALIFT CONTROL / SENZA IL SISTEMA ULTRALIFT TUTTE LE PORTATE INTERMEDIE DIMINUISCONO IL CARICO DEL 10% / LES CHARGES INTERMEDIARES SONT DIMINUÉES DE 10% SI LA GRUE N'EST PAS ÉQUIPÉ D'UN CONTROLE ULTRALIFT / SIN EL SISTEMA ULTRALIFT LOS MISURA INTERMEDIOS DISMINUIR EL CARICO DEL 10% / БЕЗ ULTRALIFT ПРОМЕЖУТОЧНОЙ УМЕНЬШАЕТСЯ НА 10% НАГРУЗКИ.

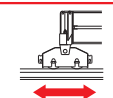
400 VOLT ± 5% - 50Hz \_DIRECTIVE 14/12 - 2005/88/CE

HOISTING WINCH ARGANO	POWER POTENZA CV-ch Ps-hp	ROPE FUNE m.	STEP MARCIA	LOAD CARICO Kg.	SPEED VELOCITÀ m/min.	LOAD CARICO Kg.	SPEED VELOCITÀ m/min.	
 6,0 T rope Ø12mm	40	30	240 450 LB	1	3000	7	6000	3,5
				2	3000	25	6000	12,5
				3	3000	43	6000	21,5
				4	1500	68	3000	34
				5	1000	93	2000	46,5
				5 (*)	600 (*)	100	1200	50
 8,0 T rope Ø12mm	40	30	240 450 LB	1	4000	7	8000	3,5
				2	4000	25	8000	12,5
				3	4000	43	8000	21,5
				4	2200	68	4400	34
				5	1300	93	2600	46,5
				5 (*)	600	100	1200	50
 8,0 T rope Ø12mm	60	45	780 LB	1	4000	8	8000	4
				2	4000	24	8000	12
				3	4000	40	8000	20
				4	2200	64	4400	32
				5	1300	80	2600	40
				5 (*)	600	96	1200	48

**ABSORPTIONS / ASSORBIMENTI**

22 kW	30 kW	45 kW
28 kW	35 kW	47 kW


**SLEWING** 0,23 / 0,47 / 0,71 min<sup>-1</sup> 2 X 4 kW

**TROLLEY** 14,0/ 39,0/ 63,0/ 79,0 (\*) m/min 5,5 kW

**TRAVELLING** 18 m/min 2 X 3 kW

(\*) SPEED AUTOMATICALLY CONTROLLED BY A CURRENT SENSOR / VELOCITÀ REGOLATA AUTOMATICAMENTE DA SENSORE DI CORRENTE / VITESSE RÉGLÉE AUTOMATIQUEMENT PAR CAPTEUR DE COURANT / ACELERAR CONTROLADO AUTOMÁTICAMENTE POR UN SENSOR DE CORRIENTE / СКОРОСТЬ АВТОМАТИЧЕСКИ РЕГУЛИРУЕТСЯ ДАТЧИКОМ ТОКА









