

A4 EN 14439 - C50 - D50

**TOWER CONFIGURATION - REACTIONS**

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

**EN 14439 - C50**

**▣ 1,2 m L = 3,8 m - A**

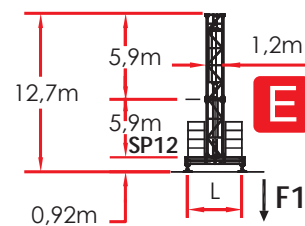
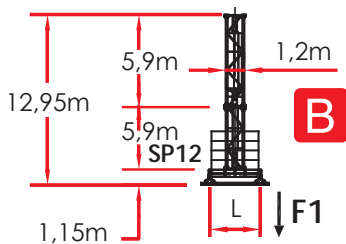
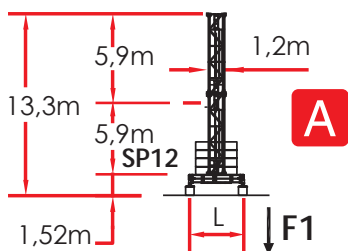
|     | H (m) | Z (t) | F1 (kN) |
|-----|-------|-------|---------|
| 7 - | -     | -     | -       |
| 6 - | -     | -     | -       |
| 5   | 5,9 m | 42,30 | 99,0    |
| 4   | 5,9 m | 36,40 | 69,3    |
| 3   | 5,9 m | 30,50 | 49,5    |
| 2   | 5,9 m | 24,60 | 39,6    |
| +1  | 5,9 m | 18,70 | 39,6    |

**▣ 1,2 m L = 3,8 m - B**

|     | H (m) | Z (t) | F1 (kN) |
|-----|-------|-------|---------|
| 7 - | -     | -     | -       |
| 6 - | -     | -     | -       |
| 5   | 5,9 m | 41,90 | 99,1    |
| 4   | 5,9 m | 36,00 | 69,3    |
| 3   | 5,9 m | 30,10 | 49,5    |
| 2   | 5,9 m | 24,20 | 39,6    |
| +1  | 5,9 m | 18,30 | 39,6    |

**▣ 1,2 m L = 3,8 m - E**

|     | H (m) | Z (t) | F1 (kN) |
|-----|-------|-------|---------|
| 7 - | -     | -     | -       |
| 6 - | -     | -     | -       |
| 5   | 5,9 m | 41,70 | 99,1    |
| 4   | 5,9 m | 35,80 | 69,3    |
| 3   | 5,9 m | 29,90 | 49,5    |
| 2   | 5,9 m | 24,00 | 39,6    |
| +1  | 5,9 m | 18,10 | 39,6    |

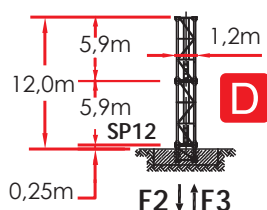


**▣ 1,2 m - D**

|     | H (m) | F2 (kN) | F3 (kN) |
|-----|-------|---------|---------|
| 7 - | -     | -       | -       |
| 6 - | -     | -       | -       |
| 5   | 5,9 m | 41,00   | 1354    |
| 4   | 5,9 m | 35,10   | 961     |
| 3   | 5,9 m | 29,20   | 616     |
| 2   | 5,9 m | 23,30   | 555     |
| +1  | 5,9 m | 17,40   | 500     |



Comply with the specified ballast / Attenersi alla zavorra indicata / S'en tenir au lest indiqué / Spagnolo / Соблюдать указанный балласт



## TOWER CONFIGURATION - REACTIONS

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

### EN 14439 - D50

#### 1,2 m L = 3,8 m - A

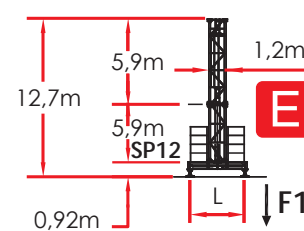
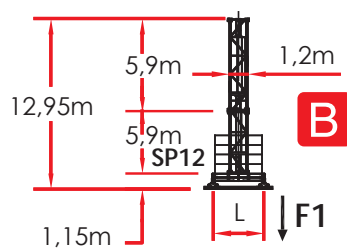
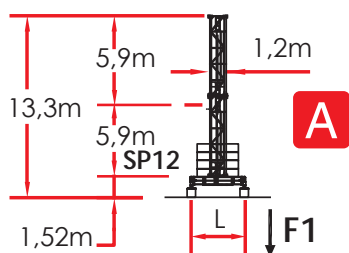
|    | H (m) | Z (t) | F1(kN) |
|----|-------|-------|--------|
| 7  | -     | -     | -      |
| 6  | -     | -     | -      |
| 5  | 5,9 m | 36,40 | 99,0   |
| 4  | 5,9 m | 30,50 | 69,3   |
| 3  | 5,9 m | 24,60 | 49,5   |
| 2  | 5,9 m | 18,70 | 39,6   |
| +1 | 5,9 m | 12,80 | 39,6   |

#### 1,2 m L = 3,8 m - B

|    | H (m) | Z (t) | F1(kN) |
|----|-------|-------|--------|
| 7  | -     | -     | -      |
| 6  | -     | -     | -      |
| 5  | 5,9 m | 36,00 | 99,1   |
| 4  | 5,9 m | 30,10 | 69,3   |
| 3  | 5,9 m | 24,20 | 49,5   |
| 2  | 5,9 m | 18,30 | 39,6   |
| +1 | 5,9 m | 12,40 | 39,6   |

#### 1,2 m L = 3,8 m - E

|    | H (m) | Z (t) | F1(kN) |
|----|-------|-------|--------|
| 7  | -     | -     | -      |
| 6  | -     | -     | -      |
| 5  | 5,9 m | 35,80 | 99,1   |
| 4  | 5,9 m | 29,90 | 69,3   |
| 3  | 5,9 m | 24,00 | 49,5   |
| 2  | 5,9 m | 18,10 | 39,6   |
| +1 | 5,9 m | 12,20 | 39,6   |

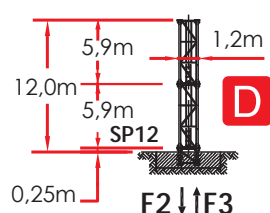


#### 1,2 m - D

|    | H (m)  | F2(kN) | F3(kN) |
|----|--------|--------|--------|
| 7  | -      | -      | -      |
| 6  | -      | -      | -      |
| 5  | 2,95 m | 35,10  | 1175   |
| 4  | 5,9 m  | 29,20  | 782    |
| 3  | 5,9 m  | 23,30  | 546    |
| 2  | 5,9 m  | 17,40  | 493    |
| +1 | 5,9 m  | 11,50  | 447    |





Comply with the specified ballast / Attenersi alla zavorra indicata / S'en tenir au lest indiqué / Spagnolo / Соблюдать указанный балласт





**LOAD DIAGRAMS \_2.5 T\_3.0 T**

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

| JIB   | 2.500 Kg    |   |             |             |             |             | 3.000 Kg |             |  |             |             |             |             |
|-------|-------------|---|-------------|-------------|-------------|-------------|----------|-------------|--|-------------|-------------|-------------|-------------|
|       | 24.0        | 30.0  | 36.0        | 42.0        | 48.0        | 51.0        | 24.0     | 30.0        | 36.0   | 42.0        | 48.0        | 51.0        |             |
| 1,5 ▶ | 24.0        | 30.0  | 33.0        | 31.0        | 30.0        | 30.0        | 1,5 ▶    | 24.0        | 30.0   | 27.0        | 25.3        | 25.2        | 25.0        |
| 12    | 2500        | 2500  | 2500        | 2500        | 2500        | 2500        | 12       | 3000        | 3000   | 3000        | 3000        | 3000        | 3000        |
| 14    | 2500        | 2500  | 2500        | 2500        | 2500        | 2500        | 14       | 3000        | 3000   | 3000        | 3000        | 3000        | 3000        |
| 16    | 2500        | 2500  | 2500        | 2500        | 2500        | 2500        | 16       | 3000        | 3000   | 3000        | 3000        | 3000        | 3000        |
| 18    | 2500        | 2500  | 2500        | 2500        | 2500        | 2500        | 18       | 3000        | 3000   | 3000        | 3000        | 3000        | 3000        |
| 20    | 2500        | 2500  | 2500        | 2500        | 2500        | 2500        | 20       | 3000        | 3000   | 3000        | 3000        | 3000        | 3000        |
| 22    | 2500        | 2500  | 2500        | 2500        | 2500        | 2500        | 22       | 3000        | 3000   | 3000        | 3000        | 3000        | 3000        |
| 24    | <b>2500</b> | 2500  | 2500        | 2500        | 2500        | 2500        | 24       | <b>3000</b> | 3000   | 3000        | 3000        | 3000        | 3000        |
| 26    |             | 2500  | 2500        | 2500        | 2500        | 2500        | 26       |             | 3000   | 3000        | 2900        | 2850        | 2895        |
| 28    |             | 2500  | 2500        | 2500        | 2500        | 2500        | 28       |             | 3000   | 2995        | 2813        | 2750        | 2669        |
| 30    |             | <b>2500</b>   | 2500        | 2500        | 2500        | 2500        | 30       |             | <b>3000</b>  | 2771        | 2601        | 2516        | 2473        |
| 32    |             |   | 2500        | 2407        | 2381        | 2372        | 32       |             |  | 2575        | 2416        | 2380        | 2303        |
| 34    |             |   | 2465        | 2247        | 2222        | 2214        | 34       |             |  | 2403        | 2253        | 2200        | 2153        |
| 36    |             |   | <b>2310</b> | 2104        | 2081        | 2073        | 36       |             |  | <b>2250</b> | 2109        | 1892        | 2020        |
| 38    |             |   |             | 1978        | 1955        | 1948        | 38       |             |  |             | 1980        | 2081        | 1902        |
| 40    |             |   |             | 1863        | 1842        | 1835        | 40       |             |  |             | 1865        | 1842        | 1795        |
| 42    |             |   |             | <b>1760</b> | 1740        | 1733        | 42       |             |  |             | <b>1760</b> | 1740        | 1699        |
| 44    |             |  |             |             | 1646        | 1641        | 44       |             |  |             |             | 1645        | 1611        |
| 46    |             |   |             |             | 1562        | 1556        | 46       |             |  |             |             | 1562        | 1532        |
| 47    |             |   |             |             | 1485        | 1517        | 47       |             |  |             |             | 1411        | 1403        |
| 48    |             |   |             |             | <b>1485</b> | 1479        | 48       |             |  |             |             | <b>1485</b> | 1459        |
| 49    |             |   |             |             |             | 1443        | 49       |             |  |             |             |             | 1331        |
| 50    |             |   |             |             |             | 1408        | 50       |             |  |             |             |             | 1297        |
| 51    |             |   |             |             |             | <b>1375</b> | 51       |             |  |             |             |             | <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 MISURA INTERMEDIOS DISMINUIR EL CARICO DEL 10% / БЕЗ ULTRALIFT ПРОМЕЖУТОЧНОЙ УМЕНЬШАЕТСЯ НА 10% НАГРУЗКИ.

# MRT 84

## LOAD DIAGRAMS 2.5 T / 5.0 T

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

### 2.500 Kg / 5.000 Kg

| JIB   | 24.0  | 30.0        | 36.0        | 42.0        | 48.0        | 51.0        |
|-------|---|-------------|-------------|-------------|-------------|-------------|
| 1,5 ▶ | 18.5  | 18.0        | 17.0        | 16.0        | 16.0        | 14.0        |
| 12    | 5000  | 5000        | 5000        | 5000        | 5000        | 5000        |
| 14    | 5000  | 5000        | 5000        | 5000        | 5000        | 5000        |
| 16    | 5000  | 5000        | 5000        | 5000        | 5000        | 4810        |
| 18    | 5000  | 5000        | 4893        | 4606        | 4416        | 4221        |
| 20    | 4706  | 4735        | 4357        | 4099        | 3929        | 3754        |
| 22    | 4238  | 4263        | 3920        | 3687        | 3533        | 3374        |
| 24    | <b>3850</b>   | 3873        | 3559        | 3346        | 3205        | 3060        |
| 26    |   | 3543        | 3255        | 3058        | 2928        | 2795        |
| 28    |   | 3263        | 2995        | 2813        | 2692        | 2569        |
| 30    |   | <b>3020</b> | 2771        | 2601        | 2489        | 2373        |
| 32    |   |             | 2575        | 2416        | 2311        | 2203        |
| 34    |   |             | 2403        | 2253        | 2155        | 2053        |
| 36    |  |             | <b>2250</b> | 2109        | 2016        | 1920        |
| 38    |  |             |             | 1980        | 1892        | 1802        |
| 40    |  |             |             | 1865        | 1781        | 1695        |
| 42    |  |             |             | <b>1760</b> | 1680        | 1599        |
| 44    |  |             |             |             | 1589        | 1511        |
| 46    |  |             |             |             | 1506        | 1432        |
| 48    |  | + 50 Kg     |             |             | <b>1430</b> | 1359        |
| 51    |   |             |             |             |             | <b>1260</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.



**HOISTING WINCH INVERTER - PERFORMANCES**

MECCANISMI / MÉCANISMES / MECANISMOS / МЕХАНИЗМЫ

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

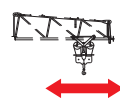
| HOISTING WINCH ARGANO | POWER POTENZA CV-ch Ps-hp | ROPE FUNE m. | STEP MARCIA | LOAD CARICO Kg. | SPEED VELOCITÀ m/min. | LOAD CARICO Kg. | SPEED VELOCITÀ m/min. |
|-----------------------|---------------------------|--------------|-------------|-----------------|-----------------------|-----------------|-----------------------|
| 2,5 T<br>rope Ø11mm   | 15 11                     | 80           | 1           | 2500            | 4,4                   |                 |                       |
|                       |                           |              | 2           | 2500            | 22                    |                 |                       |
|                       |                           |              | 3           | 1250            | 44                    |                 |                       |
|                       |                           |              | 4 (*)       | 200             | 48                    |                 |                       |
| 3,0 T<br>rope Ø11mm   | 30 22                     | 240          | 1           | 3000            | 7,6                   |                 |                       |
|                       |                           |              | 2           | 3000            | 23                    |                 |                       |
|                       |                           |              | 3           | 3000            | 38                    |                 |                       |
|                       |                           |              | 4           | 1500            | 61                    |                 |                       |
|                       |                           |              | 5           | 1000            | 76                    |                 |                       |
|                       |                           |              | 5 (*)       | 400             | 91                    |                 |                       |
| 5,0 T<br>rope Ø11mm   | 30 22                     | 240          | 1           | 2500            | 7,6                   | 5000            | 3,8                   |
|                       |                           |              | 2           | 2500            | 23                    | 5000            | 11,5                  |
|                       |                           |              | 3           | 2500            | 38                    | 5000            | 19                    |
|                       |                           |              | 4           | 1250            | 61                    | 2500            | 30,5                  |
|                       |                           |              | 5           | 850             | 76                    | 1700            | 38                    |
|                       |                           |              | 5 (*)       | 400             | 91                    | 800             | 45,5                  |

|                            |       |       |
|----------------------------|-------|-------|
| ABSORPTIONS / ASSORBIMENTI | 11 kW | 22 kW |
|                            | 15 kW | 24 kW |

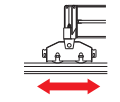


SLEWING 0,37 / 0,7 / 1,0 min<sup>-1</sup> 4,0 kW

(\*) 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 CORRENTE / СКОРОСТЬ АВТОМАТИЧЕСКИ РЕГУЛИРУЕТСЯ ДАТЧИКОМ ТОКА



TROLLEY 14,0/ 39,0/ 63,0/ 79,0(\*) m/min 3,6 kW



TRAVELLING 14 m/min 2X2,9 kW

# MRT 84

## PACKING LIST

LISTA DEI COLLI / LISTE DE COLISAGE / LISTA DE CONTENIDO / ВЕС И ГАБАРИТНЫЕ РАЗМЕРЫ

| DESCRIPTION<br>DENOMINAZIONE  | ITEM<br>POS. | PIECES<br>PEZZI | DRAWING<br>DISEGNO | DIMENSIONS<br>mm |        |       | WEIGHT<br>kg |       |      |
|---|--------------|-----------------|--------------------|------------------|--------|-------|--------------|-------|------|
|   |              |                 |                    | L                | W      | H     | UNIT         | TOTAL |      |
| JIB ELEMENT / ELEMENTO DI FRECCIA /<br>ELÈMENT DE FLÈCHE / ELEMENTO DE<br>FLECHA / элемент стрелка  | 1            | 1               | n. 1A              |                  | 6,170  | 1,100 | 2,130        | 956   | -    |
|   |              | 1               | n. 1B              |                  | 6,090  | 1,100 | 2,100        | 740   | -    |
|   |              | 1               | n. 2               |                  | 6,070  | 1,100 | 1,700        | 605   | -    |
|   |              | 1               | n. 3               |                  | 6,070  | 1,100 | 1,700        | 510   | -    |
|   |              | 1               | n. 4               |                  | 6,010  | 1,100 | 1,700        | 450   | -    |
|   |              | 1               | n. 5               |                  | 6,010  | 1,100 | 1,700        | 400   | -    |
|   |              | 1               | n. 6               |                  | 5,980  | 1,100 | 1,100        | 370   | -    |
|   |              | 1               | n. 7               |                  | 5,980  | 1,100 | 1,100        | 330   | -    |
|   |              | 1               | n. 8               |                  | 3,070  | 1,100 | 1,100        | 130   | -    |
|   |              | 1               | n. 9               |                  | 2,500  | 1,100 | 1,200        | 120   | -    |
| COUNTERJIB-TOURNABLE,<br>HOISTING WINCH, TROLLEY JIB,<br>ELECTRICAL BOX. TERMINAL ELEMENT* /<br>CONTROFRECCIA-GIREVOLE, ARGANO SOLL.,<br>QUADRO ELETTR., CARRELLO FRECCIA,<br>PORTABLOCCHI* / CONTREFLÈCHE<br>TOURNANTE, TREUIL DE LEVAGE,<br>CHARIOT DE FLÈCHE, ARMOIRE<br>ELECTRIQUE, ELÈMENT TERMINAL* /<br>CONTRAFLECHA GIRATORIO,<br>CABRESTANTE DE ELEVACIÓN,<br>CUADRO ELÉCTRICO, CARRO<br>FLECHA / кохтрстрела-вращения,<br>лебедка, электрические, корзина<br>стрелки, блокодержатель* | 2            | 1               |                    | L 1              | 4,100  | 1,760 | 2,450        | 2130  | -    |
|   |              |                 |                    | L 2              | 7,870  | 2,400 | 2,450        | 3670  | -    |
|   |              |                 |                    | L                | 11,970 | 2,400 | 2,450        | 5800  | -    |
| ACCESS BALCONY,CABIN / BALLATOIO CABINA,<br>CABINA / PORTE CABINE, CABINE /<br>BALCÓN CORRIDO CABINA, CABINA /<br>площадка кабины, кабина   |              | 1               |                    |                  | 3,280  | 1,580 | 2,210        | 1.890 | -    |
| COUNTERWEIGHT BLOCK / BLOCCHI DI<br>CONTRAPPESO / CONTRE-POIDS /<br>BLOQUES DE CONTRAPESO/<br>блоку противовеса   | 3            | 4               | D93                | A75              | 1,250  | 0,300 | 2,865        | 2204  | 8816 |
|   |              | 2               |                    | B75              | 1,250  | 0,180 | 2,865        | 1322  | 2644 |
|   |              | 1               |                    | D93              | 0,900  | 0,200 | 1,450        | 590   | -    |



**PACKING LIST**

LISTA DEI COLLI / LISTE DE COLISAGE / LISTA DE CONTENIDO / ВЕС И ГАБАРИТНЫЕ РАЗМЕРЫ

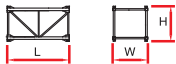
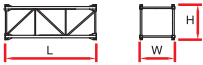
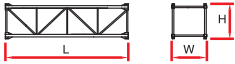
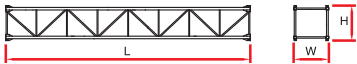



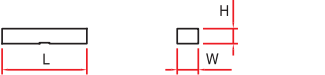
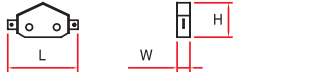
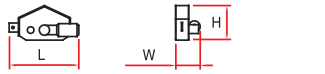
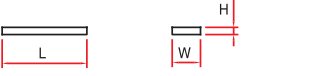
| DESCRIPTION<br>DENOMINAZIONE   | ITEM<br>POS. | PIECES<br>PEZZI | DRAWING<br>DISEGNO | DIMENSIONS<br>mm |       |       | WEIGHT<br>Kg |       |      |
|--|--------------|-----------------|--------------------|------------------|-------|-------|--------------|-------|------|
|  |              |                 |                    | L                | W     | H     | UNIT         | TOTAL |      |
| TOWER ELEMENT / ELEMENTO DI TORRE<br>ELÈMENT DE MATURE / ELEMENTO DE<br>TORRE / башенный элемент   | 4            | 1               |                    | 5,900            | 1,200 | 1,380 | 1400         | -     |      |
|  |              | 1               |                    | 11,800           | 1,200 | 1,380 | 2600         | -     |      |
| EXPENDABLE FOUNDATION ELEMENT /<br>TRONCHETTO DI FONDAZIONE / ELÈMENT<br>A SCELLER / TRONCO DE FUNDACIÓN /<br>СТВОЛ ОСНОВАНИЯ  | 5            | 1               |                    | 1,090            | 1,200 | 1,380 | 485          | -     |      |
| BASE MAIN BEAM / TRAVE PRINCIPALE<br>CROCIERA DI BASE / POUTRE DE CHASSIS<br>DE BASE / VIGA PRINCIPAL DE LA CRUCETA<br>DE BASE / главная балка крестовины<br>основания | 6            | 1               |                    | 3,8 x 3,8 m      | 5,720 | 0,670 | 0,650        | 1560  | -    |
| HALF BASE BEAM / SEMITRAVE DI<br>BASE / SEMIPOUTRE DE CHASSIS<br>DE BASE / MEDIA VIGA DE LA CRUCETA<br>DE BASE / полубалка крестовины<br>основания                     | 7            | 2               |                    | 3,8 x 3,8 m      | 2,770 | 0,450 | 0,665        | 750   | 1500 |
| CONCRETE PAD / BLOCCO DI APPOGGIO<br>/ SABOT EN BÈTON / BLOQUE DE APOYO /<br>опорный блок  | 8            | 4               |                    | B1               | 3,000 | 0,600 | 0,600        | 2465  | 9860 |
| DRIVING BOGIE / BILANCINO TRASL. FOLLE<br>/ BOGGIE FOU / BALANCÍN DE TRASLACIÓN<br>LOCO/ не приводной балансир<br>для горизонтального перемещения                      | 9            | 2               |                    |                  | 0,800 | 0,195 | 0,385        | 190   | 380  |
| DRIVEN BOGIE / BILANCINO TRASLAZIONE<br>MOTORIZZATO / BOGGIE MOTORISÈE /<br>BALANCÍN DE TRASLACIÓN MOTORIZADO /<br>приводной балансир<br>горизонтального перемещения   | 10           | 2               |                    |                  | 0,925 | 0,425 | 0,385        | 310   | 620  |
| BASE BALLAST BLOCK / BLOCCO DI<br>ZAVORRA / LEST DE BASE / BLOQUE DE<br>LASTRE / блок балласта   | 11           | 1               |                    | A                | 3,000 | 1,200 | 0,600        | 4953  | -    |



# MRT 84

## PACKING LIST

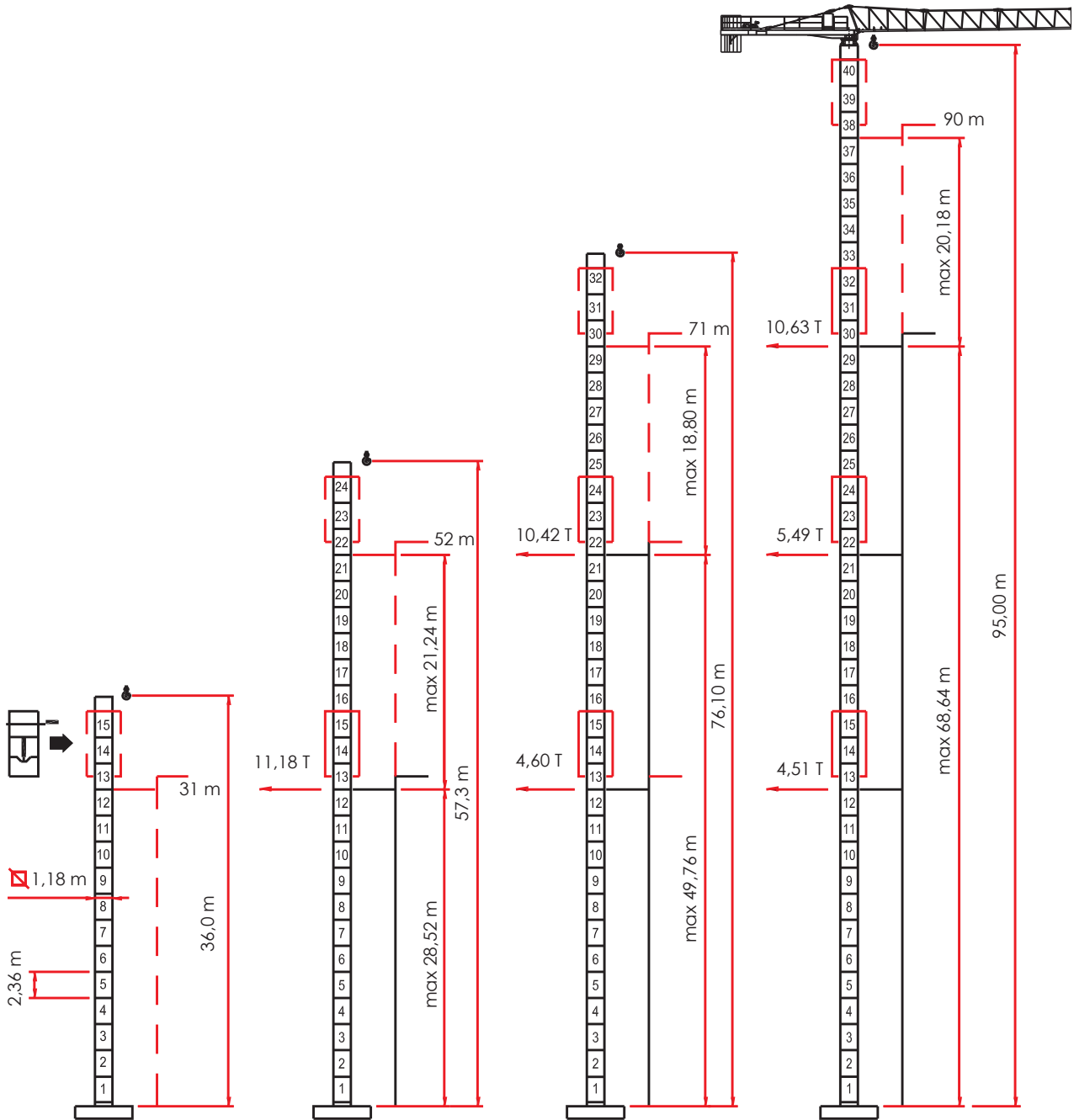
LISTA DEI COLLI / LISTE DE COLISAGE / LISTA DE CONTENIDO / ВЕС И ГАБАРИТНЫЕ РАЗМЕРЫ

| DESCRIPTION<br>DENOMINAZIONE   | ITEM<br>POS. | PIECES<br>PEZZI | DRAWING<br>DISEGNO   | DIMENSIONS<br>mm |       |       | WEIGHT<br>Kg |       |      |
|--|--------------|-----------------|--|------------------|-------|-------|--------------|-------|------|
|  |              |                 |  | L                | W     | H     | UNIT         | TOTAL |      |
| <b>CITY 1,5 m</b>  |              | 1               |    | 2,950            | 1,700 | 1,500 | 1400         | -     |      |
| TOWER ELEMENT / ELEMENTO DI TORRE<br>ELÈMENT DE MATURE / ELEMENTO DE<br>TORRE / башенный элемент   | 12           | 1               |    | 4,425            | 1,700 | 1,500 | 1590         | -     |      |
|  |              | 1               |    | 5,900            | 1,700 | 1,500 | 2155         | -     |      |
|  |              | 1               |    | 11,800           | 1,700 | 1,500 | 3870         | -     |      |
| EXPENDABLE FOUNDATION ELEMENT /<br>TRONCHETTO DI FONDAZIONE / ELÈMENT<br>A SCHELLER / TRONCO DE FUNDACIÓN /<br>СТВОЛ ОСНОВАНИЯ   | 13           | 1               |   | 1,465            | 1,780 | 1,780 | 780          | -     |      |
| BASE MAIN BEAM / TRAVE PRINCIPALE<br>CROCIERA DI BASE / POUTRE DE CHASSIS<br>DE BASE / VIGA PRINCIPAL DE LA CRUCETA<br>DE BASE / главная балка крестовины<br>ОСНОВАНИЯ | 14           | 1               |  | 4,5 x 4,5 m      | 6,530 | 0,710 | 0,760        | 2120  | -    |
| HALF BASE BEAM / SEMITRAVE DI<br>BASE / SEMIPOUTRE DE CHASSIS<br>DE BASE / MEDIA VIGA DE LA CRUCETA<br>DE BASE / полубалка крестовины<br>ОСНОВАНИЯ                     | 15           | 2               |  | 4,5 x 4,5 m      | 3,200 | 0,590 | 0,770        | 1030  | 2060 |
| CONCRETE PAD / BLOCCO DI APPOGGIO<br>/ SABOT EN BÈTON / BLOQUE DE APOYO /<br>опорный блок  | 16           | 4               |  | 3,600            | 0,800 | 0,600 | 3925         | 15700 |      |
| DRIVING BOGIE / BILANCINO TRASLAZIONE<br>FOLLE / BOGGIE FOU / BALANÇÍN DE<br>TRASLACIÓN LOCO / НЕ ПРИВОДНОЙ<br>балансир для горизонтального<br>перемещения             | 17           | 2               |  | 1,080            | 0,230 | 0,515 | 415          | 830   |      |
| DRIVEN BOGIE / BILANCINO TRASLAZIONE<br>MOTORIZZATO / BOGGIE MOTORISÉE /<br>BALANÇÍN DE TRASLACIÓN MOTORIZADO /<br>приводной балансир<br>горизонтального перемещения   | 18           | 2               |  | 1,550            | 0,500 | 0,515 | 535          | 1070  |      |
| BASE BALLAST BLOCK / BLOCCO DI<br>ZAVORRA / LEST DE BASE / BLOQUE DE<br>LASTRE / блок балласта   | 19           | 1               |  | 3,600            | 1,200 | 0,300 | 2950         | -     |      |

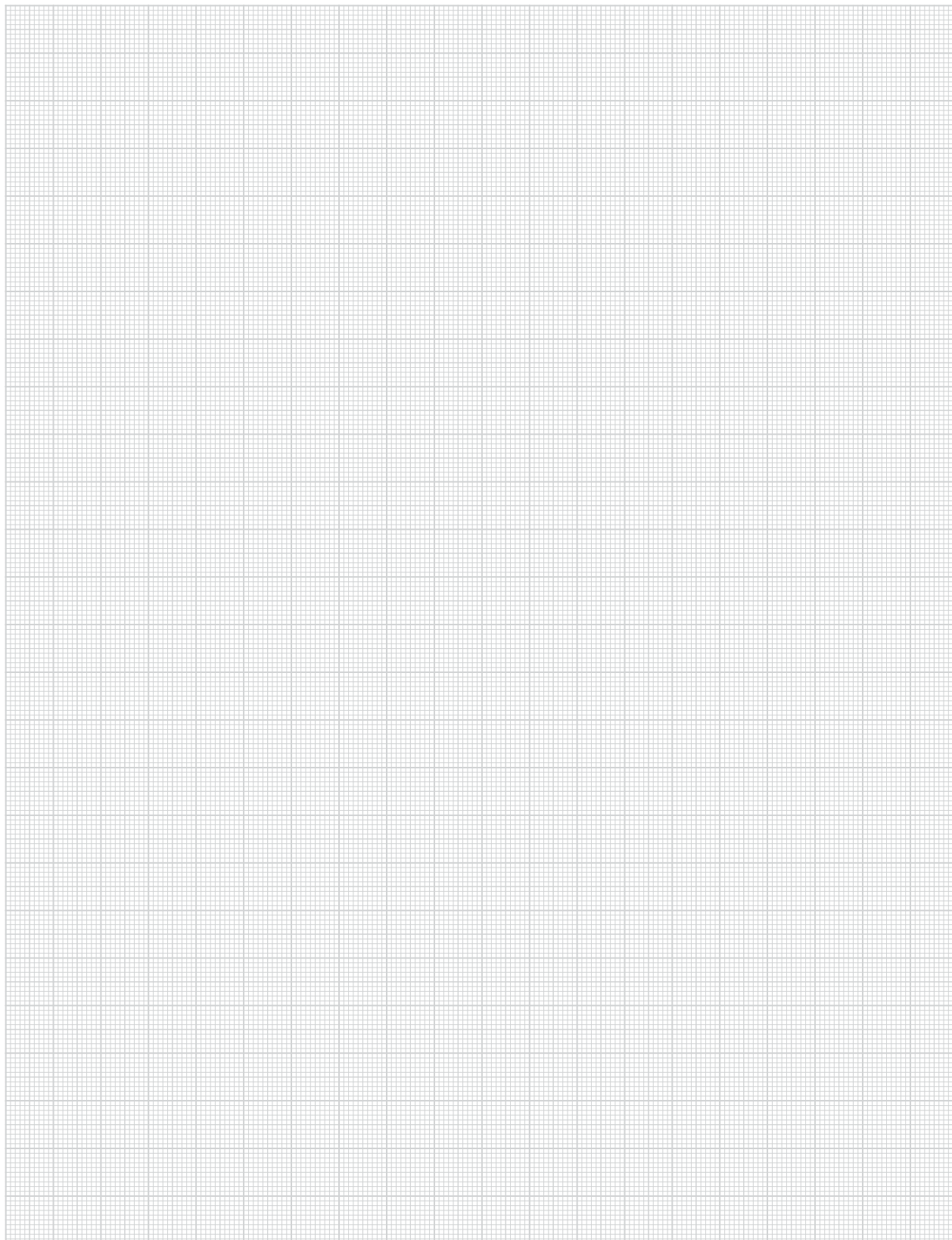


**EXTERNAL CLIMBING**

SOPRALZO IDRAULICO / TELESOPABILE / ELEVACIÓN HIDRÁULICA / ГИДРАВЛИЧЕСКОЕ НАРАЦИВАНИЕ



NOTE





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