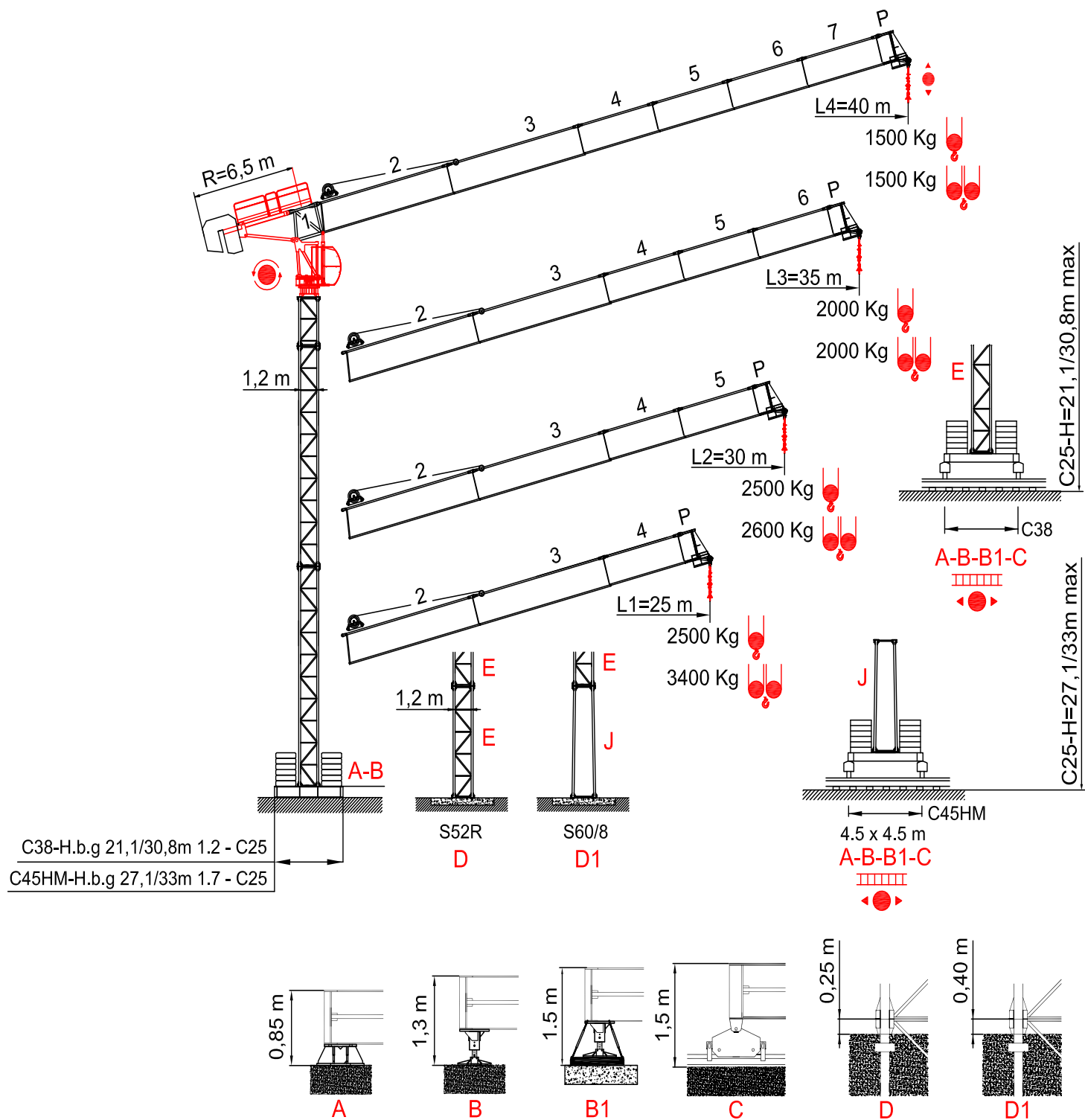
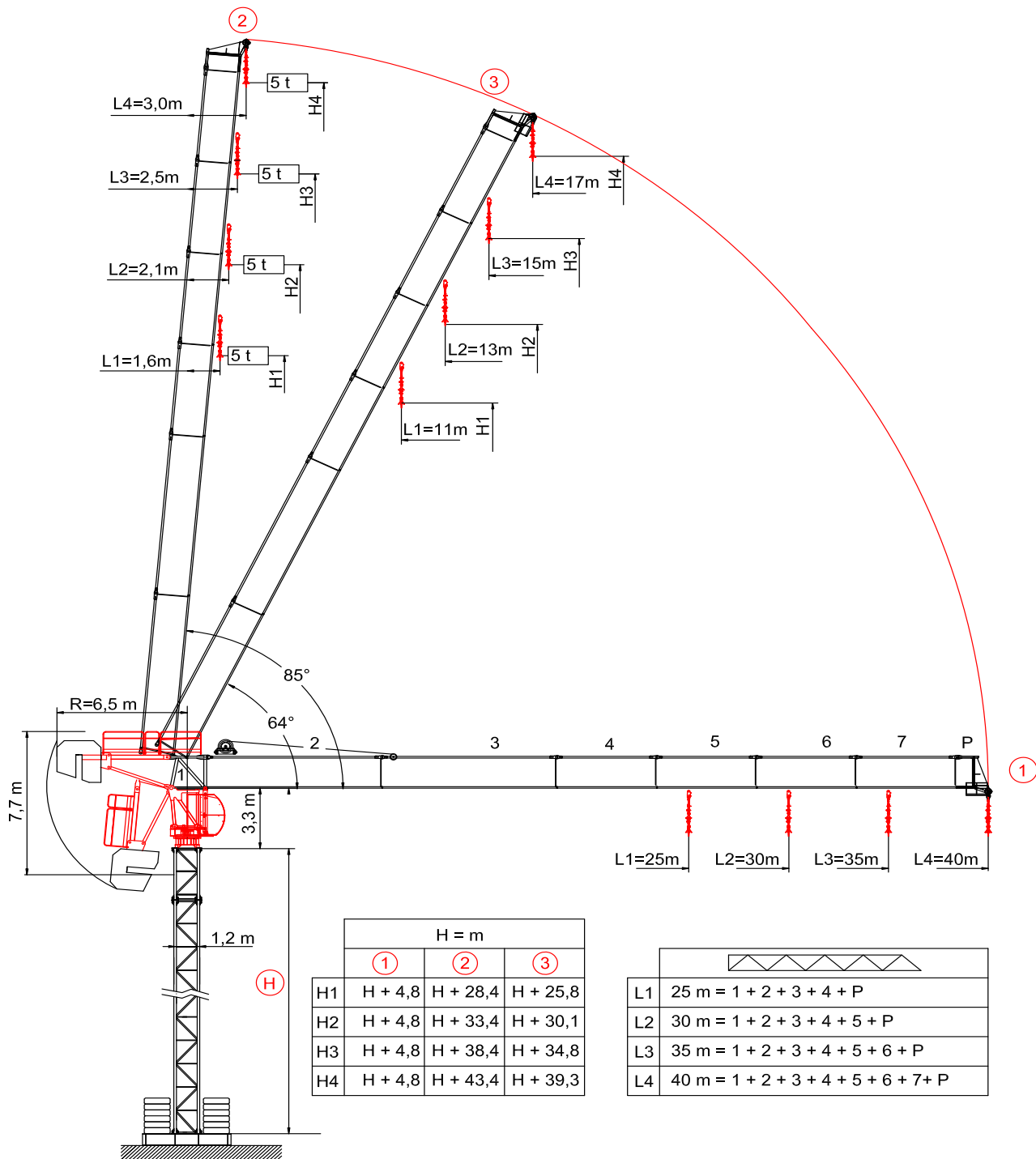




Curvas de cargas- Load diagrams- Lastkurven- Courbes de charges- Curve di carico График грузоподъёмности



- ① Pluma maxima -Portée maxi- Sbraccio massimo - Maximum jib -Max. Ausleger
- ② Pluma min. en servicio - Portée min. in service - Minimum jib ( in service) - Sbraccio min. in servizio - Mindest. Ausleger in Betrieb
- ③ Pluma min. fuera de servicio - Portée min. hors service - Minimum jib ( out of service) - Sbraccio min. fuori servizio - Mindest. Ausleger ausser Betrieb
- ④ Altura torre - Hauteur mat - Tower height - Altezza torre - Turmhohe

|                                                                                           |      |      |      |      |      |      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------------|------|------|------|------|------|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 40 m<br> | 10   | 15   | 20   | 25   | 30   | 31   | 35                                                                                  | 40                                                                                  | m                                                                                   |  |
|                                                                                           | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2100                                                                                | 1500                                                                                | Kg                                                                                  |                                                                                     |
|                                                                                           | 10   | 15   | 16.7 | 20   | 25   | 30   | 35                                                                                  | 40                                                                                  | m                                                                                   |  |
|                                                                                           | 5000 | 5000 | 5000 | 4160 | 3250 | 2600 | 2100                                                                                | 1500                                                                                | Kg                                                                                  |                                                                                     |
| 35 m<br> | 10   | 15   | 18   | 20   | 25   | 32,1 | 35                                                                                  | m                                                                                   |  |                                                                                     |
|                                                                                           | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2000                                                                                | Kg                                                                                  |                                                                                     |                                                                                     |
|                                                                                           | 10   | 15   | 17.7 | 20   | 25   | 30   | 35                                                                                  | m                                                                                   |  |                                                                                     |
|                                                                                           | 5000 | 5000 | 5000 | 4420 | 3470 | 2770 | 2000                                                                                | Kg                                                                                  |                                                                                     |                                                                                     |
| 30 m<br> | 10   | 15   | 18   | 20   | 25   | 30   | m                                                                                   |  |                                                                                     |                                                                                     |
|                                                                                           | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | Kg                                                                                  |                                                                                     |                                                                                     |                                                                                     |
|                                                                                           | 10   | 15   | 17.5 | 20   | 25   | 30   | m                                                                                   |  |                                                                                     |                                                                                     |
|                                                                                           | 5000 | 5000 | 5000 | 4630 | 3610 | 2600 | Kg                                                                                  |                                                                                     |                                                                                     |                                                                                     |
| 25 m<br> | 10   | 15   | 18   | 20   | 25   | m    |  |                                                                                     |                                                                                     |                                                                                     |
|                                                                                           | 2500 | 2500 | 2500 | 2500 | 2500 | Kg   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                                                                           | 10   | 15   | 19.2 | 20   | 25   | m    |  |                                                                                     |                                                                                     |                                                                                     |
|                                                                                           | 5000 | 5000 | 5000 | 4800 | 3400 | Kg   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

## Mecanismos- Mechanisms- Antriebe- Mécanismes- Meccanismi - Приводы

|                            |                                                                                     |       |                                                                                                                 |       |       |                                                                                                                  |       |       |
|----------------------------|-------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------|-------|-------|------------------------------------------------------------------------------------------------------------------|-------|-------|
| 25 Hp (18,5Kw)<br>INVERTER |  |       |                               |       |       |                              |       |       |
|                            |                                                                                     |       | LEBUS 450m  H.B.G 175Mts Ø10 |       |       | LEBUS 450m  H.B.G 65Mts Ø10 |       |       |
|                            |                                                                                     | m/min | 0— 36                                                                                                           | 0— 56 | 0— 66 | 0— 18                                                                                                            | 0— 28 | 0— 33 |
|                            |                                                                                     | Kg    | 2500                                                                                                            | 1500  | 1250  | 5000                                                                                                             | 3000  | 2500  |
|                            |                                                                                     | Kw    | 18.5                                                                                                            | 18.5  | 18.5  | 18.5                                                                                                             | 18.5  | 18.5  |

|                           |                                                                                     |       |                                                                                                                 |       |       |                                                                                                                  |       |       |
|---------------------------|-------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------|-------|-------|------------------------------------------------------------------------------------------------------------------|-------|-------|
| *33 Hp (24Kw)<br>INVERTER |  |       |                              |       |       |                             |       |       |
|                           |                                                                                     |       | LEBUS 450m  H.B.G 175Mts Ø10 |       |       | LEBUS 450m  H.B.G 65Mts Ø10 |       |       |
|                           |                                                                                     | m/min | 0— 50                                                                                                           | 0— 76 | 0— 90 | 0— 25                                                                                                            | 0— 38 | 0— 45 |
|                           |                                                                                     | Kg    | 2500                                                                                                            | 1500  | 1250  | 5000                                                                                                             | 3000  | 2500  |
|                           |                                                                                     | Kw    | 24                                                                                                              | 24    | 24    | 24                                                                                                               | 24    | 24    |

|                                                                                     |       |                                                                                     |
|-------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------|
|  |       |  |
|                                                                                     |       | 2 min. de 0° a 85°<br>2 minutes from 0° to 85°                                      |
|  | Kw    | 11                                                                                  |
|                                                                                     | r.p.m | 0— 0,8                                                                              |
|  | Nm    | 1 x 65                                                                              |
|                                                                                     | m/min | 0— 25                                                                               |
|                                                                                     | Kw    | 2 x 3                                                                               |

|                                                                                     |                        |                        |                        |
|-------------------------------------------------------------------------------------|------------------------|------------------------|------------------------|
|  | 25 m                   | 50 m                   | 100 m                  |
| 25 Hp (18,5 KW ) 3V                                                                 | 4 x 25 mm <sup>2</sup> | 4 x 25 mm <sup>2</sup> | 4 x 25 mm <sup>2</sup> |
| 33 Hp (24 KW ) INV                                                                  | 4 x 25 mm <sup>2</sup> | 4 x 25 mm <sup>2</sup> | 4 x 25 mm <sup>2</sup> |

|                                                                                     |                                                                                      |                         |                                                                             |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------|
|  |  | 400 V<br>50 Hz<br>60 Hz | 25 Hp (18,5 Kw)<br>37 Kw / 150 kVA<br>33 Hp (24Kw) INV<br>42,5 Kw / 180 kVA |
| 2000/14/CEE<br>2005/88/CEE                                                          | 2006/95<br>/CEE                                                                      |                         |                                                                             |

\* Opcional / Optional / Opzionale /

 Elevación / Hoisting / Heben / Levage / Sollevamento

 Elevación de pluma / Luffing / Ausleger-Einziehen / Relevage / Brandeggio

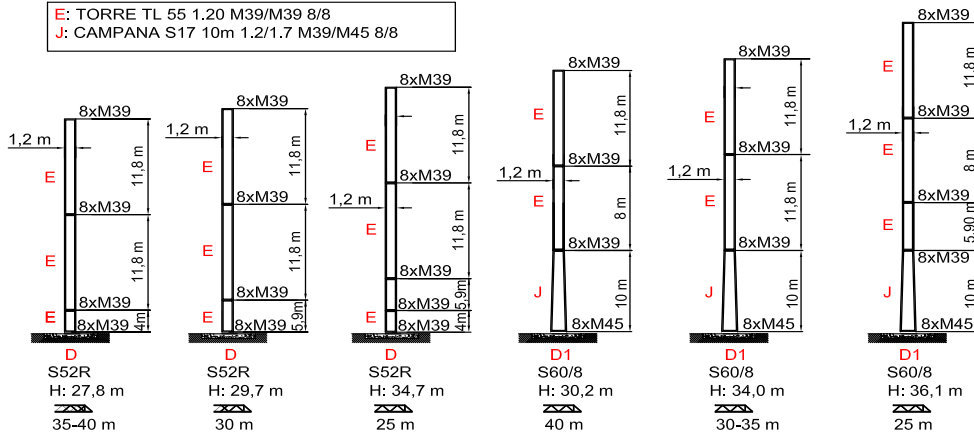
 Orientación / Slewing / Schwenken / Orientation / Rotazione

 Traslación / Travelling / Schienenfahren / Translation / Traslazione

 Cable / Rope / Seil / Câble / Fune

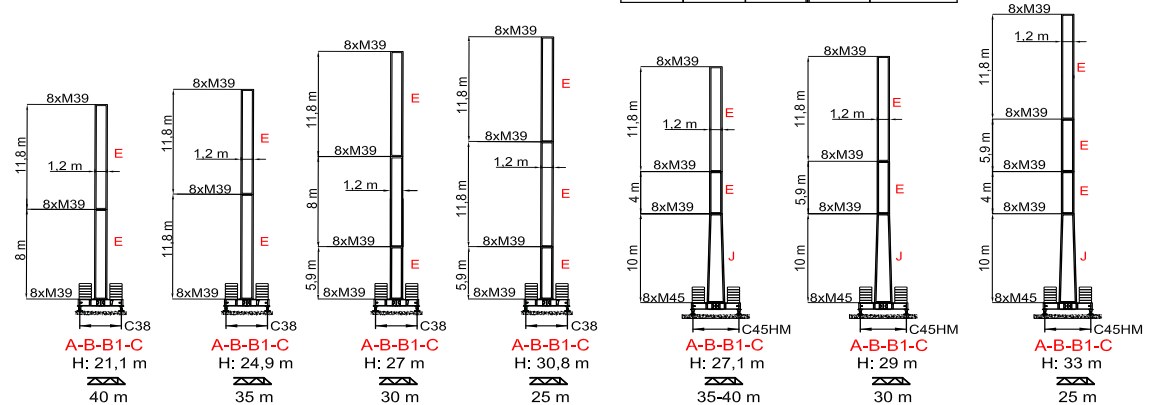
## FEM 1005-C25 / EN 14439- Mástil / Masts / Maste / Mat / Torre / Комплектация башни

E: TORRE TL 55 1.20 M39/M39 8/8  
J: CAMPANA S17 10m 1.2/1.7 M39/M45 8/8



E: TORRE TL 55 1.20 M39/M39 8/8  
J: CAMPANA S17 10m 1.20/1.70 M39/M45 8/8  
C38: 3.8X3.8m 1.2 HB 600  
C45HM: 4.5X4.5m 1.7 HM 700

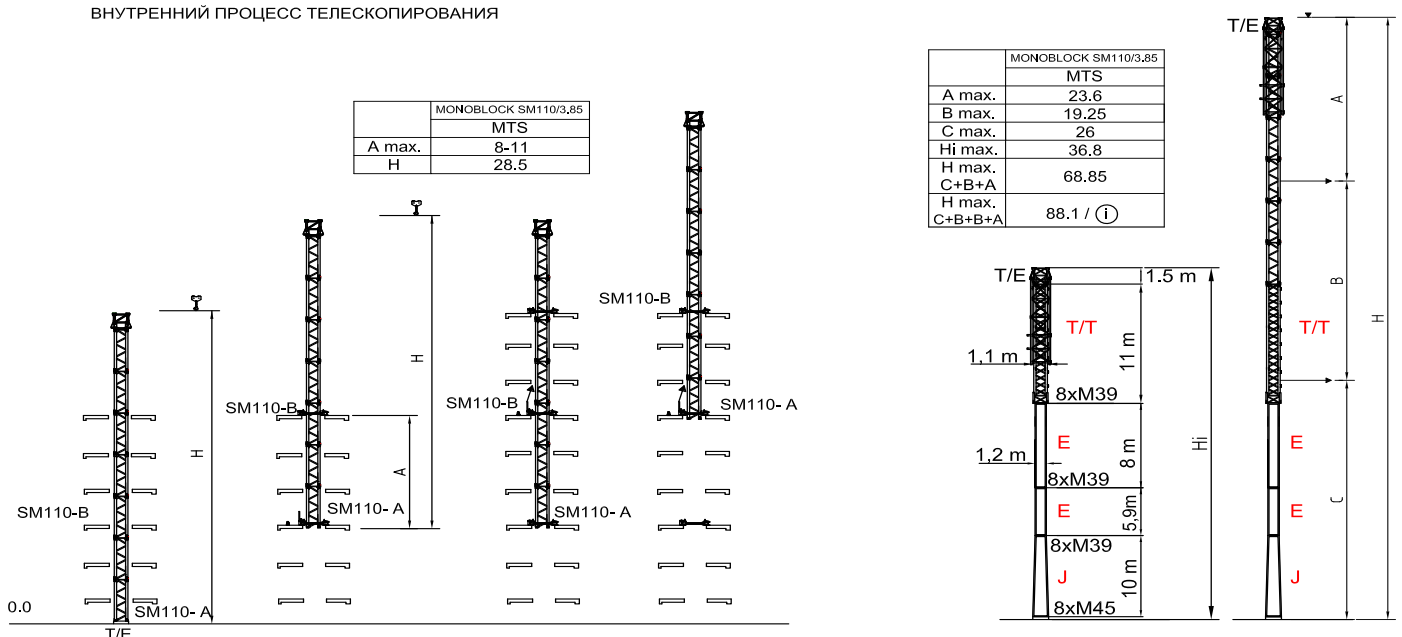
| TOWER HEIGHTS (m) |                 |           |                  |             |
|-------------------|-----------------|-----------|------------------|-------------|
|                   | 1.2x1.2<br>S52R | C38-H.b.g | 1.7x1.7<br>S60/8 | C45HM-H.b.g |
| m                 | D               | A-B-B1-C  | D1               | A-B-B1-C    |
| 25                | 34,7            | 30,8      | 36,1             | 33          |
| 30                | 29,7            | 27        | 34               | 29          |
| 35                | 27,8            | 24,9      | 34               | 27,1        |
| 40                | 27,8            | 21,1      | 30,2             | 27,1        |



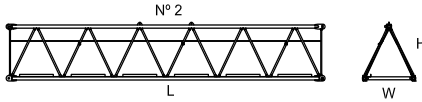
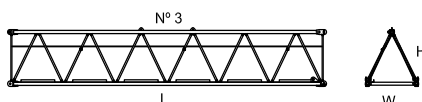
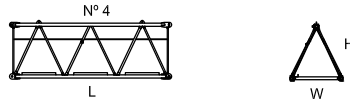
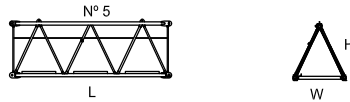
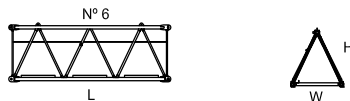
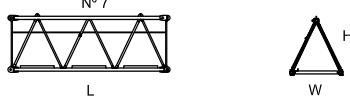
## Proceso de trepado- External climbing- Kletterkrane- Telescopable- Sopralzo idraulico - Процесс наращивания крана

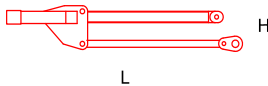
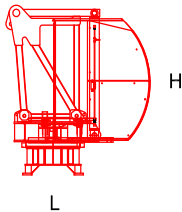
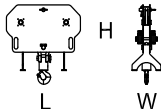
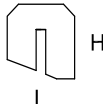
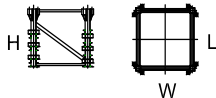
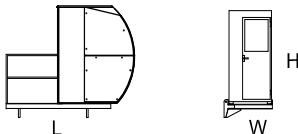
C25-TREPADO INTERNO / BOTTOM CLIMBING CRANE / KLETTERRKRANE IM GEBÄUDE / TÉLESCOPAGE SUR DALLES / GRU CLIMBING / ВНУТРЕННИЙ ПРОЦЕСС ТЕЛЕСКОПИРОВАНИЯ

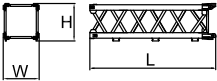
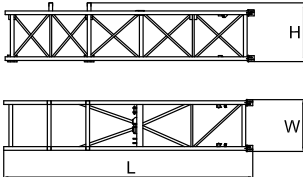
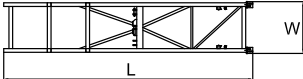
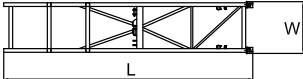
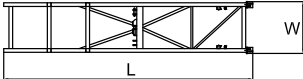
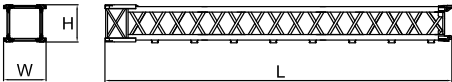
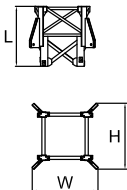
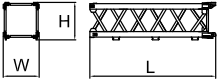
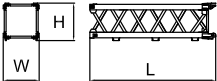
C25-TREPADO EXTERNO / EXTERNAL CLIMBING / GEANKERTER KRAN / GRUE ANDRÉE / GRU ANCORATA / ВОСХОЖДЕНИЕ Экстерно

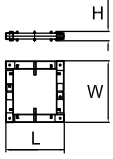
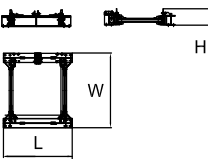
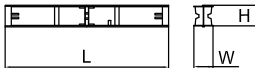
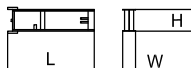
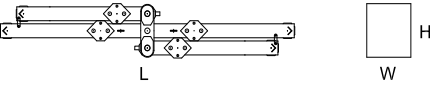
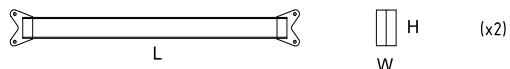


## Dimensiones y transporte- dimensions and transport - Abmessungen und Transport- dimensions et des transporte - dimensioni e trasporti - Размеры и транспорта

|                                                                                                                                                                                                                                                                 | L(m)  | W(m) | H(m) | Peso(Kg) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|------|----------|
| <b>Pluma tramo primero</b> / Jib heel section / Ausleger-Anlenkstück / Pied de fleche /<br>Settore articolato di braccio / Корневая секция стрелы<br>                          | 2.37  | 1.1  | 1.86 | 550      |
| <b>Elemento intermedio de pluma</b> / Intermediate jib section / Ausleger-Zwischenstück<br>Elément interm. de fleche / Spezzone di braccio / Промежуточная секция стрелы<br>   | 10.18 | 1.1  | 1.76 | 1600     |
| <b>Elemento intermedio de pluma</b> / Intermediate jib section / Ausleger-Zwischenstück<br>Elément interm. de fleche / Spezzone di braccio / Промежуточная секция стрелы<br>  | 10.18 | 1.1  | 1.25 | 1000     |
| <b>Elemento intermedio de pluma</b> / Intermediate jib section / Ausleger-Zwischenstück<br>Elément interm. de fleche / Spezzone di braccio / Промежуточная секция стрелы<br> | 5.18  | 1.1  | 1.25 | 350      |
| <b>Elemento intermedio de pluma</b> / Intermediate jib section / Ausleger-Zwischenstück<br>Elément interm. de fleche / Spezzone di braccio / Промежуточная секция стрелы<br> | 5.18  | 1.1  | 1.25 | 270      |
| <b>Elemento intermedio de pluma</b> / Intermediate jib section / Ausleger-Zwischenstück<br>Elément interm. de fleche / Spezzone di braccio / Промежуточная секция стрелы<br> | 5.18  | 1.1  | 1.25 | 190      |
| <b>Elemento intermedio de pluma</b> / Intermediate jib section / Ausleger-Zwischenstück<br>Elément interm. de fleche / Spezzone di braccio / Промежуточная секция стрелы<br> | 5.18  | 1.1  | 1.25 | 170      |
| <b>Elemento final de pluma</b> / end jib section / Ausleger-Zwischenstück<br>Elément interm. de fleche / Spezzone di braccio / Промежуточная секция стрелы<br>               | 1.5   | 1.1  | 1.25 | 150      |

|                                                                                                                                           | L(m)                                                                                | W(m)                                      | H(m)                             | Peso(Kg)                             |                                      |            |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|--------------------------------------|--------------------------------------|------------|
| <b>Contrapluma</b> / Counter-jib / Gegenausleger / Contre-fleche / Controbraccio / Консоль противовеса                                    |    | 4.7                                       | 1.10                             | 0.7                                  | 1000                                 |            |
| <b>Unidad rotacion</b> / Complete slewing unit / Drehbühne / Orientation / Rotazione / Оголовок башни                                     |    | 1.80                                      | 1.80                             | 2.75                                 | 4000                                 |            |
| <b>Gancho</b> / Hook / Haken / Crochet / Gancio / крюк                                                                                    |   | 1.1                                       | 0.25                             | 2.2                                  | 250                                  |            |
| <b>Bloque de contrapeso</b> / Counterweight blocks/Gegengewichtsblöcke / Bloc de contrepoids<br>Blocco di contrappeso / Плита противовеса |  | 2.2                                       | 0.25                             | 2.2                                  | 2420                                 |            |
| <b>Elemento de torre</b> / Tower section/Turmstück / Elément de mât<br>Elemento di torre / Башенные секции                                |  | E 11,8<br>E 8,0<br>E 5,9<br>E 4,0<br>J 10 | 1,2<br>1,2<br>1,2<br>1,2<br>1,85 | 1,38<br>1,38<br>1,38<br>1,38<br>1,38 | 3782<br>2654<br>2090<br>1527<br>3520 |            |
| <b>Elemento de empotre</b> / Foundation anchor / Fundamentanker / Pieds de scellement /<br>El anegare / Анкерные крепления                |  | S52R<br>S60/8                             | 1,2<br>1,85                      | 1,38<br>1,85                         | 1,42<br>1,6                          | 594<br>956 |
| <b>Cabina y soporte</b> / Cabin and support / Kabine und wartungs / Cabine et support /<br>Cabina e supporto                              |  | 3,00                                      | 1,15                             | 2,35                                 | 558                                  |            |

|                                                                                                                                                                                                                                                                                                            | L(m) | W(m) | H(m) | Peso(Kg) |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|----------|
| <b>Tramo trepador SM110</b> / Climbing tower section / Turmstück/ Mâtüre télescopable /<br>/ Elemento di torre monolitico / Монтажная секция башни                                                                        | 4.09 | 1,17 | 1,22 | 1420     |
| <b>Jaula de telescopaje SM110</b> / Climbing cage / Hydraulikbühne/Cage de télescope /<br>Gabbia di montaggio / Монтажная обойма                                                                                          | 8.1  | 1,7  | 1,92 | 3840     |
| <b>Completa</b> / Full / Vollständige/Complete /<br>completa / полный                                                                                                                                                     |      |      |      | 2425     |
| <b>Estructura</b> / Steel frame / Struktur/ Construction /<br>Struttura / структура                                                                                                                                       |      |      |      | 1415     |
| <b>Hidraulico y accesorios</b> / Hydraulic and accessories/ Hydraulik-und Zubehör<br>hydraulique et accessoires / Idrauliche ed accessori / Гидравлические и аксессуары                                                   |      |      |      |          |
| <b>Tramo de transición SM110-1.2/1.09</b> / Climbing connection frame / Turmstück<br>Elément de transition / Telaio di raccordo a spinta / Переходная секция башни                                                      | 11.2 | 1,38 | 1.21 | 3695     |
| <b>Tramo de enlace a cabina SM110-1.09/1.2</b> /Climbing cage connection frame /<br>Turmstück Elément de connection pour la cage de télescope / Telaio di raccordo a spinta /<br>Секция башни для соединения с кабиной  | 1,5  | 1,65 | 1.65 | 875      |
| <b>Tramo trepador SM110 - A</b> / Climbing tower section / Turmstück/ Mâtüre télescopable /<br>/ Elemento di torre monolitico / Монтажная секция башни                                                                  | 4.09 | 1,17 | 1,22 | 1900     |
| <b>Tramo trepador SM110 - B</b> / Climbing tower section / Turmstück/ Mâtüre télescopable /<br>/ Elemento di torre monolitico / Монтажная секция башни                                                                  | 4.09 | 1,17 | 1,22 | 1750     |

|                                                                                                                                                                                                                                                                                 | L(m) | W(m) | H(m)  | Peso(Kg) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------|----------|
| <b>Marco trepado externo</b> / Tie-frame / Cadre d'encrage externe / Sopralzo con ancoraggio esterno / ВНЕШНЯЯ РАМКА ПРИСТЕЖКИ<br>                                                             | 1.7  | 1.7  | 0.26  | 720      |
| <b>Marco trepado interno</b> / Floor climbing frame / Cadre d'encrage interne / Sopralzo interno / ВНУТРЕННЯЯ РАМКА ПРИСТЕЖКИ<br>                                                              | 2.4  | 2.38 | 0.45  | 1503     |
| <b>Hidraulico y accesorios</b> / Hydraulic and accessories/ Hydraulik-und Zubehör / hydraulique et accessoires / idrauliche ed accessori / Гидравлические и аксессуары                                                                                                          |      |      |       | 1100     |
| <b>Viga principal base C38</b> / Main base beam/Hauptträger für fundamentkreuz / Poutre de châssis de base/Trave principale della base / Несущая балка опорной рамы HB600<br>                 | 5,72 | 0,67 | 0,65  | 1570     |
| <b>Semiviga secundaria base C38</b> / Half base beam/Halbträger für fundamentkreuz / Semipoutre de châssis de base /Semitrave secundaria della base / Вспомогательная балка опорной рамы<br> | 2,77 | 0,45 | 0,665 | 800x2    |
| <b>Base Cruciforme C45HM</b> / Crossbase C45HM / Fundamentkreuz C45HM / Châssis C45HM / Carro base C45HM<br>                                                                                 | 6.7  | 1.1  | 1.2   | 5750     |
| <b>Vigas auxil. de base</b> / Half base beams / Halbträger für fundamentkreuz / Semipoutre de châssis de base / Travi di congiunzi di congiunzione<br>                                       | 4.4  | 0.3  | 0.55  | 220x2    |



40" HC x 4 - HBG 28 mt



x 3 - HBG 28 mt