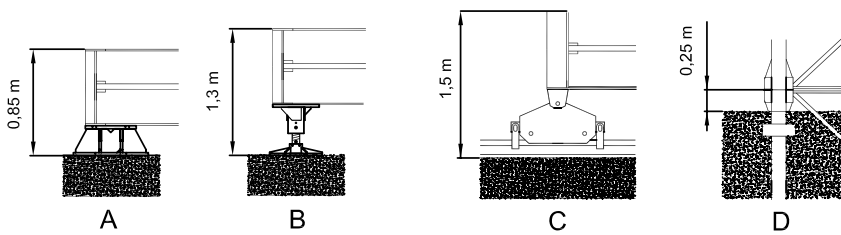
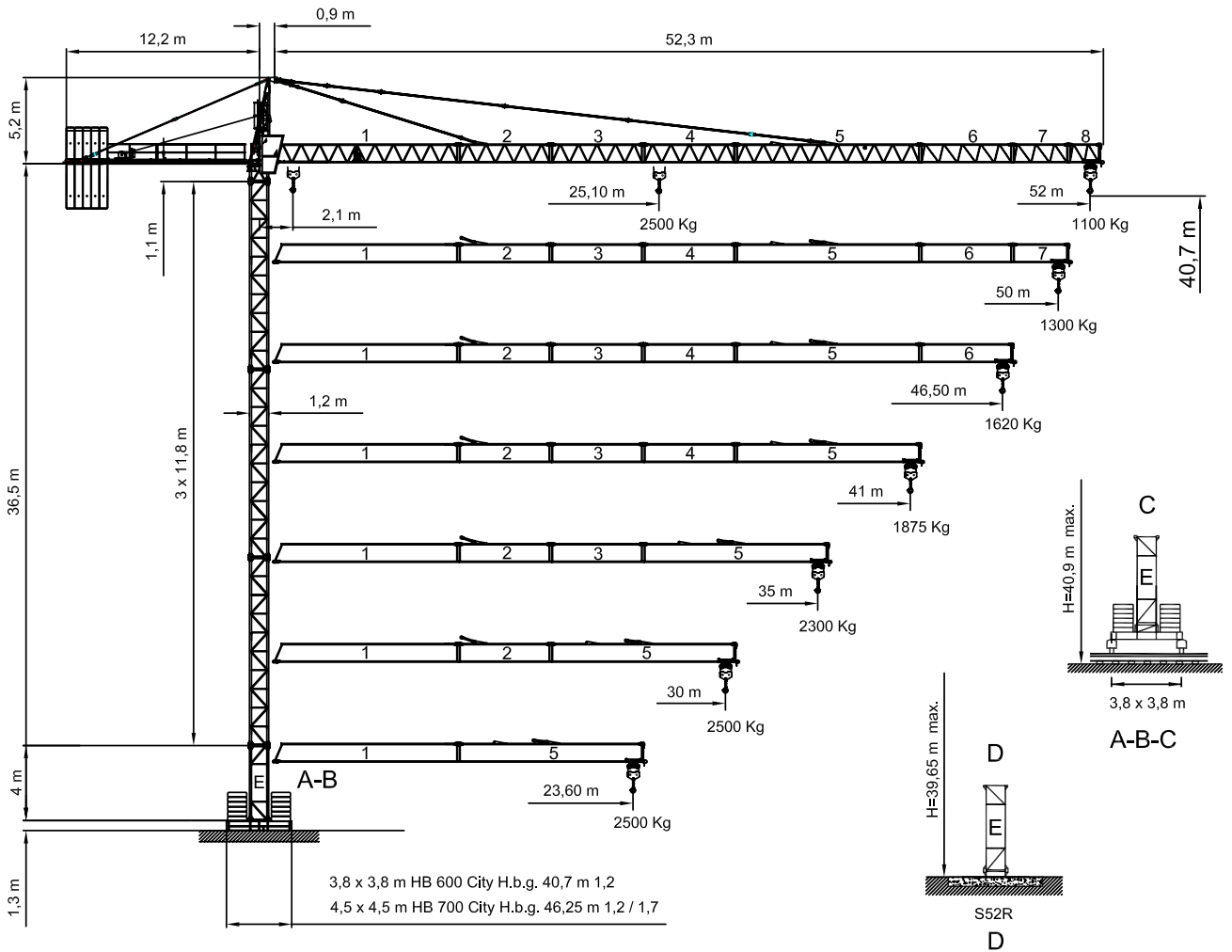
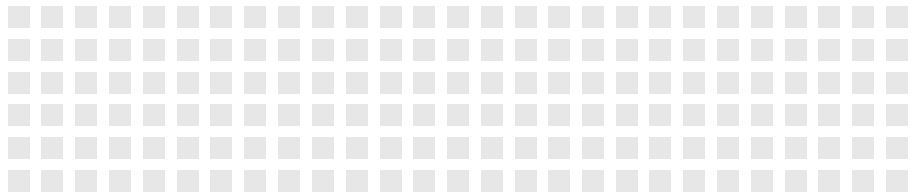






























S52 4T









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

| | | | | | | | | | | | | | | | | | | | | |
|--|------|------|------|------|---|------|------|------|---|------|---|---|---|------|---|------|---|------|---|---|
| 52 m  | 18 | 20 | 23,6 | 24 | 25,1 | 26 | 28 | 30 | 33 | 35 | 37 | 39 | 41 | 44 | 46,5 | 48 | 50 | 52 | m |  |
| | 2500 | 2500 | 2500 | 2500 | 2500 | 2400 | 2215 | 2055 | 1850 | 1730 | 1625 | 1535 | 1450 | 1335 | 1270 | 1210 | 1150 | 1100 | Kg |  |
| | 9 | 12 | 15 | 15,5 | 18 | 21 | 23,6 | 27 | 30 | 33 | 35 | 38 | 41 | 44 | 46,5 | 48 | 50 | 52 | m |  |
| | 4000 | 4000 | 4000 | 4000 | 3400 | 2870 | 2590 | 2160 | 1900 | 1700 | 1580 | 1430 | 1300 | 1190 | 1120 | 1060 | 1000 | 950 | Kg | |
| 50 m  | 18 | 20 | 23,6 | 24 | 26 | 27,8 | 28 | 30 | 33 | 35 | 37 | 39 | 41 | 44 | 46,5 | 48 | 50 | m |  | |
| | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2480 | 2300 | 2075 | 1945 | 1825 | 1725 | 1630 | 1505 | 1430 | 1365 | 1300 | Kg |  | |
| | 9 | 12 | 15 | 17,2 | 18 | 21 | 23,6 | 27 | 30 | 33 | 35 | 38 | 41 | 44 | 46,5 | 48 | 50 | m |  | |
| | 4000 | 4000 | 4000 | 4000 | 3815 | 3220 | 2900 | 2430 | 2150 | 1925 | 1795 | 1625 | 1480 | 1355 | 1280 | 1215 | 1150 | Kg | | |
| 46.5 m  | 18 | 20 | 23,6 | 24 | 26 | 28 | 30 | 31,1 | 33 | 35 | 37 | 39 | 41 | 44 | 46,5 | m |  | | | |
| | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2335 | 2190 | 2065 | 1945 | 1840 | 1705 | 1620 | Kg |  | | | |
| | 9 | 12 | 15 | 18 | 19,2 | 21 | 23,6 | 27 | 30 | 33 | 35 | 38 | 41 | 44 | 46,5 | m |  | | | |
| | 4000 | 4000 | 4000 | 4000 | 4000 | 3635 | 3290 | 2750 | 2440 | 2190 | 2040 | 1850 | 1690 | 1555 | 1470 | Kg | | | | |
| 41 m  | 18 | 20 | 23,6 | 24 | 26 | 28 | 30 | 31,5 | 33 | 35 | 37 | 39 | 41 | m |  | | | | | |
| | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2380 | 2230 | 2100 | 1980 | 1875 | Kg |  | | | | | |
| | 9 | 12 | 15 | 18 | 19,5 | 21 | 23,6 | 27 | 30 | 33 | 35 | 38 | 41 | m |  | | | | | |
| | 4000 | 4000 | 4000 | 4000 | 4000 | 3700 | 3350 | 2800 | 2490 | 2230 | 2080 | 1890 | 1725 | Kg | | | | | | |
| 35 m  | 18 | 20 | 23,6 | 24 | 26 | 28 | 30 | 32,4 | 33 | 35 | m |  | | | | | | | | |
| | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2450 | 2300 | Kg |  | | | | | | | | |
| | 9 | 12 | 15 | 18 | 20,1 | 21 | 23,6 | 27 | 30 | 33 | 35 | m |  | | | | | | | |
| | 4000 | 4000 | 4000 | 4000 | 4000 | 3815 | 3450 | 2890 | 2570 | 2300 | 2150 | Kg | | | | | | | | |
| 30 m  | 18 | 20 | 23,6 | 24 | 26 | 28 | 30 | m |  | | | | | | | | | | | |
| | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | 2500 | Kg |  | | | | | | | | | | | |
| | 9 | 12 | 15 | 18 | 19,6 | 21 | 23,6 | 27 | 30 | m |  | | | | | | | | | |
| | 4000 | 4000 | 4000 | 4000 | 3720 | 3360 | 2815 | 2500 | Kg | | | | | | | | | | | |
| 23.6 m  | 18 | 20 | 23,6 | m |  | | | | | | | | | | | | | | | |
| | 2500 | 2500 | 2500 | Kg |  | | | | | | | | | | | | | | | |
| | 9 | 12 | 15 | 18 | 18,1 | 21 | 23,6 | m |  | | | | | | | | | | | |
| | 4000 | 4000 | 4000 | 4000 | 3415 | 3000 | Kg | | | | | | | | | | | | | |






Bloque de contrapeso- Counterweight blocks- Gegengewichtsblöcke- Bloc de contrepoid- Blocco di contrappeso

| | | | | | | | | | | | | |
|---|----------|---|---|----------|---|---|----------|---|---|----------|---|---|
|  | 52 m | | | 50 m | | | 46,5 m | | | 41 m | | |
|  | A | B | C | A | B | C | A | B | C | A | B | C |
| | 5 | - | - | 5 | - | - | 5 | - | - | 4 | - | 1 |
| | 11500 Kg | | | 11500 Kg | | | 11500 Kg | | | 10050 Kg | | |
|  | 35 m | | | 30 m | | | 23,6 m | | | | | |
|  | A | B | C | A | B | C | A | B | C | | | |
| | 3 | 1 | - | 3 | - | - | 2 | - | - | | | |
| | 8300 Kg | | | 6900 Kg | | | 4600 Kg | | | | | |



S52 4T



Mecanismos- Mechanisms- Antriebe- Mécanismes- Meccanismi


(SF19)25 Hp (18,5 Kw) 3V
H.B.G. 84 S/R Ø10mm

| | | | | | | | | | |
|---|---|-------|---------|------|------|---------|------|------|------|
|  |  | m/min | 8 | 31 | 62 | 4 | 16 | 31 | |
| | | 240 m | Kg | 2500 | 2500 | 1500 | 4000 | 4000 | 2600 |
| | | | Kw | 18,5 | 18,5 | 18,5 | 18,5 | 18,5 | 18,5 |
|  | | m/min | 30 / 60 | | | 30 / 60 | | | |
| | | Kw | 3 | | | 3 | | | |
|  | | r.p.m | 0,3 | 0,6 | 0,9 | 0,3 | 0,6 | 0,9 | |
| | | Nm | 2x55 | | | 2x55 | | | |
|  | | m/min | 20 | | | 20 | | | |
| | | Kw | 2 x 2,2 | | | 2 x 2,2 | | | |






* (SF19INV)25 Hp (18,5 Kw) INV
H.B.G. 94 S/R Ø10mm



| | | | | | | | | | |
|---|---|-------|----|------|------|------|------|------|------|
|  |  | m/min | 8 | 31 | 62 | 4 | 16 | 31 | |
| | | 265 m | Kg | 2500 | 2500 | 1500 | 4000 | 4000 | 2600 |
| | | | Kw | 18,5 | 18,5 | 18,5 | 18,5 | 18,5 | 18,5 |

| | | | | |
|---|--|----------------|------------------|--------------------------------------|
|  2000/14/CEE 2005/88/CEE |  2006/95/CEE | 400 V 50 Hz | * 460 V 60 Hz | * 25 Hp (18,5 Kw) 31 Kw / 120 kVA |
| | | | | 15 Hp (11,5Kw) 3V 24 Kw / 90 kVA |

| | | | |
|---|------------------------|------------------------|------------------------|
|  | 25 m | 50 m | 100 m |
| 15 Hp (11,5 KW) 3V | 4 x 16 mm ² | 4 x 16 mm ² | 4 x 25 mm ² |
| 25 Hp (18,5 KW) 3V | 4 x 25 mm ² | 4 x 25 mm ² | 4 x 25 mm ² |
| 25 Hp (18,5 KW) INV | 4 x 25 mm ² | 4 x 25 mm ² | 4 x 25 mm ² |

* 15 Hp (11,5Kw) 3V
H.B.G. 84 S/R Ø10mm

| | | | | | | |
|---|---|-------|---------|------|------|------|
|  |  | m/min | 8 | 29 | 58 | |
| | | 240 m | Kg | 2500 | 2500 | 1000 |
| | | | Kw | 11,5 | 11,5 | 11,5 |
|  | | m/min | 30 / 60 | | | |
| | | Kw | 3 | | | |
|  | | r.p.m | 0,3 | 0,6 | 0,9 | |
| | | Nm | 2 x 55 | | | |
|  | | m/min | 20 | | | |
| | | Kw | 2 x 2,2 | | | |

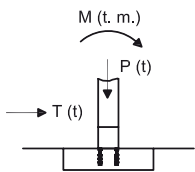
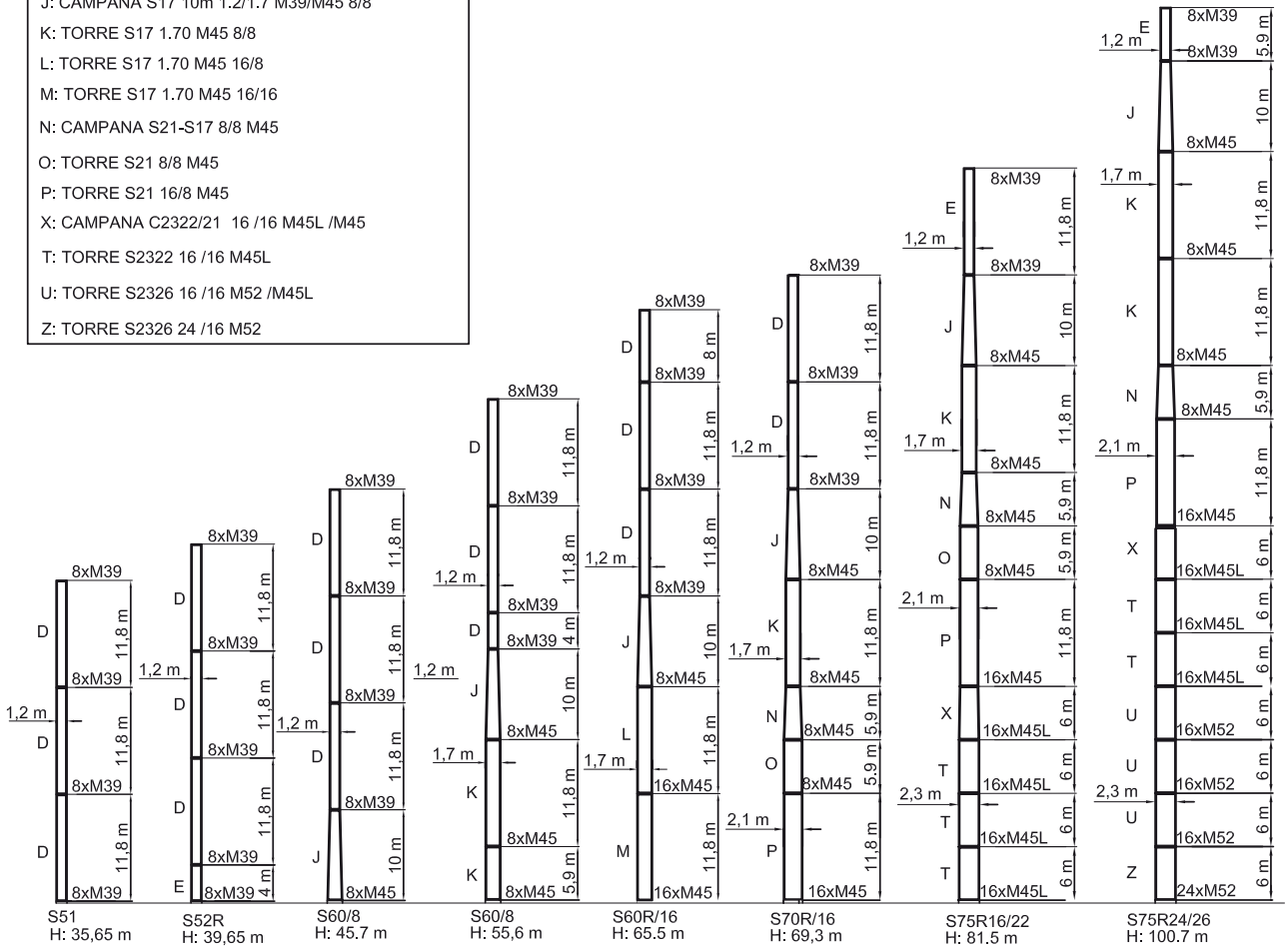
| | | | | |
|---|--|----------------|------------------|----------------------|
|  2000/14/CEE 2005/88/CEE |  2006/95/CEE | 400 V 50 Hz | * 460 V 60 Hz | * 15 Hp (11.5 Kw) 3V |
| | | | | 24 KW / 90 kVA |

| | | | |
|---|------------------------|------------------------|------------------------|
|  | 25 m | 50 m | 100 m |
| 15 Hp (11.5 KW) 3V | 4 x 16 mm ² | 4 x 16 mm ² | 4 x 25 mm ² |

- * Opcional / Optional / Opzionale /
- Elevación / Hoisting / Heben / Levage / Sollevamento
- Distribución / Trolleying / Katzfahren / Distribution / Distribuzione
- Orientación / Slewing / Schwenken / Orientation / Rotazione
- Traslacion / Travelling / Schienenfahren / Translation / Traslazione

FEM 1005-C25 / EN 14439- Mástil / Reacciones- Masts / Reactions- Mast / Eckdrücke- Mat / Réactions- Torre / Réazioni

- C: TORRE S/TL 36-41-46-40-45 1.20 M39/M39
- D: TORRE S/TL 50-52 1.20 M39/M39 8/8
- E: TORRE TL 55 1.20 M39/M39 8/8
- J: CAMPANA S17 10m 1.2/1.7 M39/M45 8/8
- K: TORRE S17 1.70 M45 8/8
- L: TORRE S17 1.70 M45 16/8
- M: TORRE S17 1.70 M45 16/16
- N: CAMPANA S21-S17 8/8 M45
- O: TORRE S21 8/8 M45
- P: TORRE S21 16/8 M45
- X: CAMPANA C2322/21 16 /16 M45L /M45
- T: TORRE S2322 16 /16 M45L
- U: TORRE S2326 16 /16 M52 /M45L
- Z: TORRE S2326 24 /16 M52

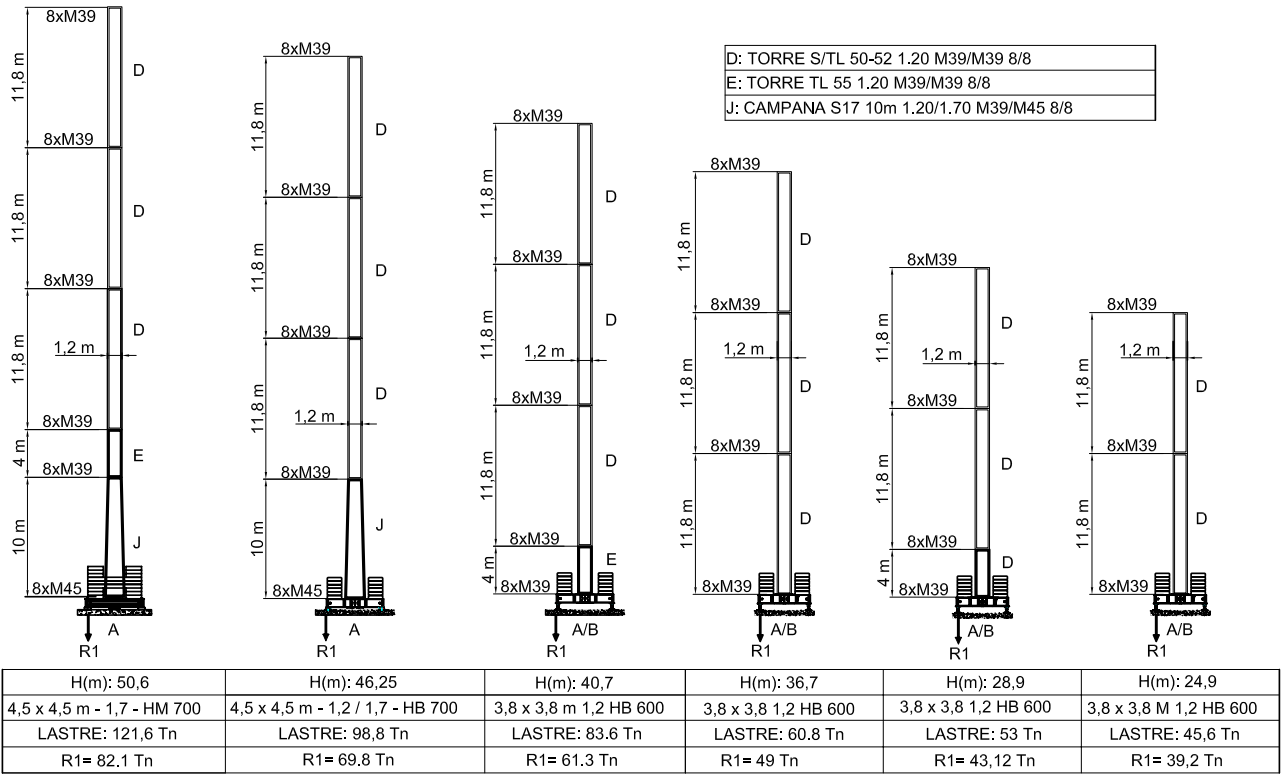


| | | | | | | | |
|---------|-------|------|-------|------|------|-------|------|
| H (m) | 23.8 | 35.6 | 39.7 | 45.7 | 49.7 | 53.7 | 57.5 |
| M (T-m) | 106.4 | 160 | 197.4 | 262 | 318 | 355.2 | 409 |
| T (t) | 4.9 | 6.5 | 7.1 | 8.2 | 8.9 | 9.4 | 10.1 |
| P (t) | 19 | 21.5 | 22.6 | 25.1 | 26.8 | 27.7 | 29.8 |

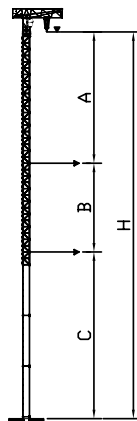
| | | | | | | | |
|---------|------|------|------|------|------|------|-------|
| H (m) | 99.4 | 91.6 | 80.9 | 75.2 | 69.3 | 65.2 | 63.4 |
| M (T-m) | 1350 | 1170 | 830 | 694 | 594 | 520 | 493.2 |
| T (t) | 23 | 20.5 | 16.5 | 15 | 13.5 | 12.4 | 11.1 |
| P (t) | 76 | 69 | 54.4 | 50 | 45 | 39.7 | 33.2 |

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FEM 1005-C25 / EN 14439- Bloque lastre de base- Base ballast block- Grundballastblöcke - Bloc de lest de base- Blocco di zavorra alla base



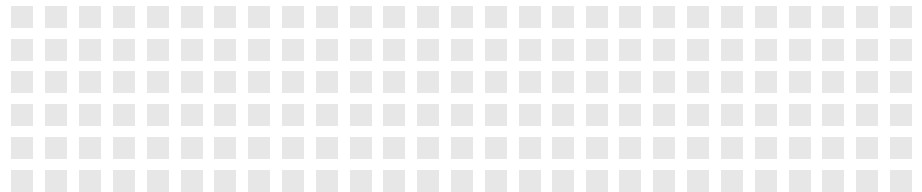
Proceso de trepado- External climbing- Kletterkrane- Telescopable- Sopralzo idraulico

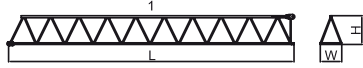
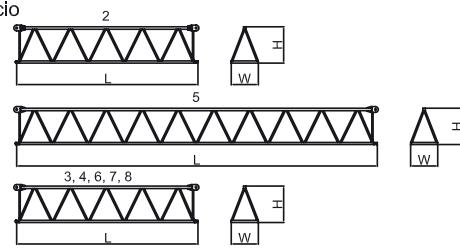
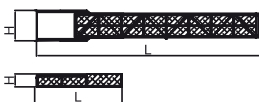

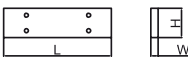

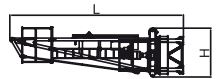


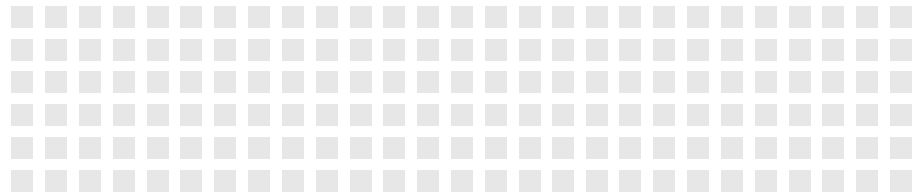
| | |
|--------|----------------------|
| | MONOBLOCK SM110/3,85 |
| | MTS |
| A max. | 29 |
| B max. | 19 |
| C max. | 31 |
| H max. | ① |

①

Consultarnos-Consultateci-Consult us-Nous consulter-Auf anfrage



| | L(m) | W(m) | H(m) | Peso(Kg) | |
|--|---------------------------------|--|--|--|---------------------|
| Pluma tramo primero / First jib section/Ausleger-Anlenkstück / Pied de flèche /Settore articolato di braccio  | 11,85 | 1,04 | 1,3 | 982 | |
| Elemento intermedio de pluma /Intermediate jib section / Ausleger-Zwischenstück Élément interm. de flèche / Spezzone di braccio  | 2 3 4 5 6 7 8 | 5,94 5,94 5,94 11,74 5,14 3,64 2 | 0,95 0,95 0,95 0,95 0,95 0,95 0,95 | 1,32 475 450 915 328 225 142 | |
| Contrapluma / Counter-jib/Gegenausleger / Contre-flèche/Controbraccio  | 11,5 4,05 | 0,26 0,33 | 1,48 0,58 | 1480 96 | |
| Bloque de contrapeso / Counterweight blocks/Gegengewichtsblöcke / Bloc de contrepoids Blocco di contrappeso  | A B C | 2,94 2,94 1,70 | 0,30 0,18 0,18 | 1,25 1,25 1,25 | 2300 1400 850 |
| Bloque lastre de base / Base ballast block/Grundballastblöcke / Bloc de lest de base Blocco di zavorra alla base  | 4,4 | 1,2 | 0,3 | 3800 | |
| Gancho y Carro / Hook and Trolley/Lasthaken - Laufkatze / Crochet - Chariot Gancio e Carrello  | 0,75 0,96 | 0,12 1,10 | 1,40 0,62 | 164 118 | |
| Cabeza de torre / Tower head/Turmspitze / Porte - flèche/Testa di torre  | 6,5 | 1,8 | 1,7 | 3504 | |



S52 4T

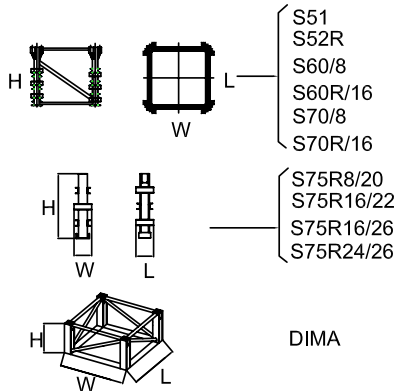
Elemento de torre / Tower section/Turmstück / Elément de mât
Elemento di torre



L(m) W(m) H(m) Peso(Kg)

| | | | | |
|---|------|------|------|------|
| D | 11,8 | 1,2 | 1,38 | 3017 |
| D | 8 | 1,2 | 1,38 | 2075 |
| D | 5,9 | 1,2 | 1,38 | 1560 |
| D | 4 | 1,2 | 1,38 | 1100 |
| E | 11,8 | 1,2 | 1,38 | 3782 |
| E | 8,0 | 1,2 | 1,38 | 2654 |
| E | 5,9 | 1,2 | 1,38 | 2090 |
| E | 4,0 | 1,2 | 1,38 | 1527 |
| J | 10 | 1,85 | 1,38 | 3520 |
| K | 11,8 | 1,85 | 1,85 | 4600 |
| K | 5,9 | 1,85 | 1,85 | 2472 |
| K | 3 | 1,85 | 1,85 | 1425 |
| L | 11,8 | 1,85 | 1,85 | 5520 |
| M | 11,8 | 1,85 | 1,85 | 5670 |
| N | 5,9 | 2,27 | 2,27 | 3500 |
| O | 11,8 | 2,27 | 2,27 | 5044 |
| O | 5,9 | 2,27 | 2,27 | 2640 |
| O | 3 | 2,27 | 2,27 | 1545 |
| P | 11,8 | 2,27 | 2,27 | 5700 |
| Q | 11,8 | 2,27 | 2,27 | 5900 |
| X | 6 | 2,27 | 2,29 | 4000 |
| T | 6 | 2,27 | 2,29 | 4300 |
| U | 6 | 2,31 | 2,34 | 5910 |
| Z | 6 | 2,61 | 2,34 | 5980 |

Elemento de empotre / Foundation anchor / Fundamentanker / Pieds de scellement /
El annegare

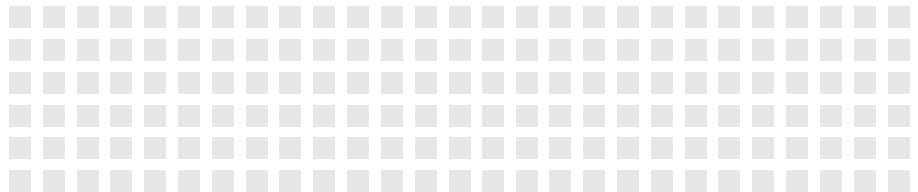



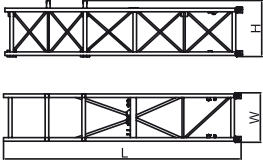
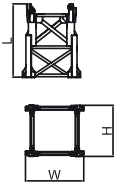
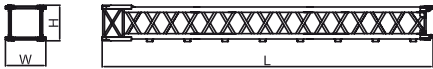
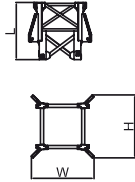


| | | | | |
|-----------|------|------|------|------|
| S51 | 1,2 | 1,38 | 1,42 | 496 |
| S52R | 1,2 | 1,38 | 1,42 | 594 |
| S60/8 | 1,85 | 1,85 | 1,6 | 956 |
| S60R/16 | 1,85 | 1,85 | 1,6 | 1108 |
| S70/8 | 2,28 | 2,28 | 1,6 | 1122 |
| S70R/16 | 2,28 | 2,28 | 1,6 | 1274 |
| S75R8/20 | 0,35 | 0,35 | 1,6 | 1200 |
| S75R16/22 | 0,50 | 0,50 | 2 | 2840 |
| S75R16/26 | 0,50 | 0,50 | 2,4 | 3160 |
| S75R24/26 | 0,50 | 0,50 | 2,4 | 3400 |
| DIMA | 2,31 | 2,34 | 0,8 | 1650 |

Cabina y soporte / Cabin and platform / Kabine und wartungs / Cabine et support /
Cabina e supporto



| | | | |
|------|------|------|-----|
| 3,00 | 1,15 | 2,35 | 558 |
|------|------|------|-----|



| | L(m) | W(m) | H(m) | Peso(Kg) |
|---|------|------|-------|----------|
| Tramo trepador SM110 / Climbing tower section / Turmstück/ Mâture télescopable / / Elemento di torre monolitico  | 4.09 | 1,17 | 1,22 | 1420 |
| Jaula de telescopaje SM110 / Climbing cage / Hydraulikbühne/Cage de télescope / Gabbia di montaggio  | 8.1 | 1,7 | 1,92 | 3840 |
| Tramo de transición SM110-1.2/1.09 / Climbing connection frame / Turmstück Elément de transition / Telaio di raccordo a spinta  | 1,74 | 1,38 | 1,21 | 811 |
| Tramo de transición SM110-1.2/1.09 / Climbing connection frame / Turmstück Elément de transition / Telaio di raccordo a spinta  | 11.2 | 1,38 | 1,21 | 4260 |
| Tramo de enlace a cabina SM110-1.09/1.2 / Climbing cage connection frame / Turmstück Elément de connection pour la cage de télescope / Telaio di raccordo a spinta  | 1,5 | 1,65 | 1,65 | 875 |
| Viga principal base 3.8 HB600 / Main base beam/Hauptträger für fundamentkreuz Poutre de châssis de base/Trave principale della base  | 5,72 | 0,67 | 0,65 | 1570 |
| Semiviga secundaria base 3.8 HB600 / Half base beam/Halbräger für fundamentkreuz Semipoutre de châssis de base /Semitrave secundaria della base  | 2,77 | 0,45 | 0,665 | 800 |

DECLINAMOS TODA RESPONSABILIDAD DERIVADA DE LA INFORMACION PROPORCIONADA.

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