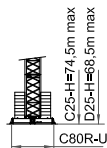


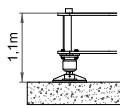
TLS



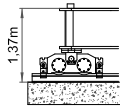
A/B



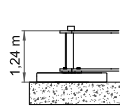
A/B



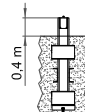
A



D(i)



B



C













EN 14439-FEM 1005- C25/ D25



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











80



|    |       |       |       |       |       |       |      |      |      |      |      |      |      |      |      |    |  |
|----|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|----|--|
| SL | 15    | 20    | 25    | 28    | 30,3  | 35    | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | m  |  |
|    | 12000 | 12000 | 12000 | 12000 | 12000 | 10144 | 8653 | 7501 | 6584 | 5837 | 5217 | 4693 | 4245 | 3858 | 3520 | Kg |  |
|    | 15    | 20    | 25    | 28,6  | 30    | 35    | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | m  |  |
|    | 12000 | 12000 | 12000 | 12000 | 11381 | 9480  | 8067 | 6974 | 6105 | 5397 | 4808 | 4312 | 3888 | 3521 | 3200 | Kg |  |
|    | 15    | 20    | 25    | 26,9  | 30    | 35    | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | m  |  |
|    | 12000 | 12000 | 12000 | 12000 | 10491 | 8634  | 7253 | 6186 | 5337 | 4545 | 4071 | 3586 | 3171 | 2813 | 2500 | Kg |  |
|    | 15    | 15,2  | 20    | 25    | 30    | 35    | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | m  |  |
|    | 24000 | 24000 | 17484 | 13374 | 10681 | 8780  | 7367 | 6274 | 5405 | 4697 | 4108 | 3612 | 3188 | 2821 | 2500 | Kg |  |
| SL | 15    | 15,7  | 20    | 25    | 30    | 35    | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | m  |  |
|    | 24000 | 24000 | 18176 | 13944 | 11172 | 9215  | 7760 | 6635 | 5740 | 5011 | 4405 | 3894 | 3457 | 3080 | 2750 | Kg |  |











75



|    |       |       |       |       |       |       |       |      |      |      |      |      |      |      |  |  |
|----|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|--|--|
| SL | 15    | 20    | 25    | 30    | 35    | 38,3  | 40    | 45   | 50   | 55   | 60   | 65   | 70   | 75   | m  |  |
|    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 10725 | 9337 | 8233 | 7333 | 6586 | 5955 | 5416 | 4950 | Kg   |  |
|    | 15    | 20    | 25    | 30    | 33,7  | 35    | 40    | 45   | 50   | 55   | 60   | 65   | 70   | 75   | m  |  |
|    | 12000 | 12000 | 12000 | 12000 | 12000 | 11494 | 9835  | 8553 | 7533 | 6702 | 6011 | 5429 | 4931 | 4500 | Kg   |  |
|    | 15    | 20    | 25    | 30    | 31,5  | 35    | 40    | 45   | 50   | 55   | 60   | 65   | 70   | 75   | m  |  |
|    | 12000 | 12000 | 12000 | 12000 | 10564 | 8936  | 7678  | 6677 | 5861 | 5183 | 4611 | 4122 | 3700 | Kg   |  |  |
|    | 15    | 17,6  | 20    | 25    | 30    | 35    | 40    | 45   | 50   | 55   | 60   | 65   | 70   | 75   | m  |  |
|    | 24000 | 24000 | 20909 | 16085 | 12925 | 10694 | 9035  | 7753 | 6733 | 5902 | 5211 | 4629 | 4131 | 3700 | Kg   |  |
| SL | 15    | 18,5  | 20    | 25    | 30    | 35    | 40    | 45   | 50   | 55   | 60   | 65   | 70   | 75   | m  |  |
|    | 24000 | 24000 | 22031 | 16997 | 13698 | 11370 | 9638  | 8300 | 7235 | 6368 | 5647 | 5039 | 4519 | 4070 | Kg   |  |











70






































|    |       |       |       |       |       |       |       |       |      |      |      |      |      |    |  |
|----|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|----|--|
| SL | 15    | 20    | 25    | 30    | 35    | 38    | 40,7  | 45    | 50   | 55   | 60   | 65   | 70   | m  |    |
|    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 10676 | 9435 | 8424 | 7584 | 6876 | 6270 | Kg |    |
|    | 15    | 20    | 25    | 30    | 35    | 37,4  | 40    | 45    | 50   | 55   | 60   | 65   | 70   | m  |    |
|    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 11119 | 9703  | 8576 | 7657 | 6894 | 6250 | 5700 | Kg |    |
|    | 15    | 20    | 25    | 30    | 35    | 35,8  | 40    | 45    | 50   | 55   | 60   | 65   | 70   | m  |    |
|    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 10488 | 9053  | 7912 | 6981 | 6209 | 5557 | 5000 | Kg |    |
|    | 15    | 19,6  | 20    | 25    | 30    | 35    | 40    | 45    | 50   | 55   | 60   | 65   | 70   | m  |   |
|    | 24000 | 24000 | 23539 | 18209 | 14717 | 12252 | 10419 | 9003  | 7876 | 6957 | 6194 | 5550 | 5000 | Kg |  |
| SL | 15    | 20    | 21,1  | 25    | 30    | 35    | 40    | 45    | 50   | 55   | 60   | 65   | 70   | m  |  |
|    | 24000 | 24000 | 24000 | 19815 | 16031 | 13359 | 11373 | 9838  | 8616 | 7620 | 6794 | 6096 | 5500 | Kg |  |

65





|    |       |       |       |       |       |       |       |       |       |      |      |      |    |  |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|----|--|
| SL | 15    | 20    | 25    | 30    | 35    | 40    | 44    | 45    | 50    | 55   | 60   | 65   | m  |    |
|    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 11715 | 10368 | 9271 | 8359 | 7590 | Kg |    |
|    | 15    | 20    | 25    | 30    | 35    | 40    | 40,3  | 45    | 50    | 55   | 60   | 65   | m  |   |
|    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 10602 | 9393  | 8408 | 7590 | 6900 | Kg |  |
|    | 15    | 20    | 25    | 30    | 35    | 38,7  | 40    | 45    | 50    | 55   | 60   | 65   | m  |  |
|    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 11542 | 9988  | 8751  | 7743 | 6906 | 6200 | Kg |  |
|    | 15    | 20    | 21    | 25    | 30    | 35    | 40    | 45    | 50    | 55   | 60   | 65   | m  |  |
|    | 24000 | 24000 | 24000 | 19775 | 16030 | 13387 | 11421 | 9902  | 8693  | 7708 | 6890 | 6200 | Kg |  |
| SL | 15    | 20    | 22,9  | 25    | 30    | 35    | 40    | 45    | 50    | 55   | 60   | 65   | m  |  |
|    | 24000 | 24000 | 24000 | 21745 | 17627 | 14721 | 12560 | 10890 | 9561  | 8478 | 7578 | 6820 | Kg |  |

|    |   |    |       |       |       |       |       |       |       |       |   |   |   |   |   |   |
|----|---|----|-------|-------|-------|-------|-------|-------|-------|-------|---|---|---|---|---|---|
| 60 |    | SL | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 47    | 50  | 55  | 60  | m   |  |   |
|    |   |    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000   | 11164   | 9993  | 9020  | Kg  |  |
|    |   |    | 15    | 20    | 25    | 30    | 35    | 40    | 43    | 45    | 50  | 55  | 60  | m   |  |   |
|    |   |    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 11420 | 10128   | 9075  | 8200  | Kg  |  |   |
|    |   |    | 15    | 20    | 25    | 30    | 35    | 40    | 41,2  | 45    | 50  | 55  | 60  | m   |  |   |
|    |   |    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 11420 | 9466  | 8392  | 7500  | Kg  |  |   |   |
| 55 |    | SL | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 52,7  | 55  | m   |  |   |   |
|    |   |    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000   | 12000   | 11440   | Kg  |  |   |
|    |   |    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 48,3  | 50  | 55  | m   |  |   |   |
|    |   |    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 11578   | 10400   | Kg  |  |   |   |
|    |   |    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 46,2  | 50  | 55  | m   |  |   |   |
|    |   |    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 10907 | 9700  | Kg  |  |   |   |   |
| 50 |    | SL | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | m   |    |   |   |   |   |
|    |   |    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000   | Kg  |  |   |   |   |
|    |   |    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | m   |    |   |   |   |   |
|    |   |    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 11300   | Kg  |  |   |   |   |
|    |   |    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 47,57 | 50  | m   |  |   |   |   |
|    |   |    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 11300   | Kg  |  |   |   |   |
| 45 |   | SL | 15    | 20    | 25    | 30    | 35    | 40    | 45    | m     |    |   |   |   |   |   |
|    |   |    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | Kg    |    |   |   |   |   |   |
|    |   |    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | m     |    |   |   |   |   |   |
|    |   |    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | Kg    |    |   |   |   |   |   |
|    |   |    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | m     |    |   |   |   |   |   |
|    |   |    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | Kg    |   |   |   |   |   |   |
| 40 |  | SL | 15    | 20    | 25    | 30    | 35    | 40    | 45    | m     |    |   |   |   |   |   |
|    |   |    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | Kg    |    |   |   |   |   |   |
|    |   |    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | m     |    |   |   |   |   |   |
|    |   |    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | Kg    |   |   |   |   |   |   |
|    |   |    | 15    | 20    | 25    | 27,3  | 30    | 35    | 40    | 45    | m   |  |   |   |   |   |
|    |   |    | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | Kg    |  |   |   |   |   |   |

(i) Consultarnos - Consultated - Consult us - Nous consulter - Auf anfrage - советоваться





## Bloque de contrapeso - Counterweight blocks - Gegengewichtsblöcke - Bloc de contrepoids - Blocco di contrappeso - Плиты противовеса

|  | 80 m     |   |   | 75 m     |   |   | 70 m     |   |   | 65 m     |   |   |
|---|----------|---|---|----------|---|---|----------|---|---|----------|---|---|
|   | A        | B | C | A        | B | C | A        | B | C | A        | B | C |
|   | 6        | - | - | 6        | - | - | 6        | - | - | 5        | 1 | - |
|   | 21000 Kg |   |   | 21000 Kg |   |   | 21000 Kg |   |   | 20000 Kg |   |   |





|  | 60 m     |   |   | 55 m     |   |   | 50 m     |   |   | 45 m     |   |   |
|---|----------|---|---|----------|---|---|----------|---|---|----------|---|---|
|   | A        | B | C | A        | B | C | A        | B | C | A        | B | C |
|   | 4        | 2 | - | 4        | 2 | - | 5        | 0 | - | 3        | 2 | - |
|   | 19000 Kg |   |   | 19000 Kg |   |   | 17500 Kg |   |   | 15500 Kg |   |   |




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

110 Hp (80Kw) - INV - 5V  
400V / 480V - 50/60 HZ  
HBG 330m S/R Ø20



|  |  | m/min |  |       |      |      |       |  |       |        |        |        |
|---|---|-------|---|-------|------|------|-------|---|-------|--------|--------|--------|
|   |   |       | 0-15  | 0-30  | 0-43 | 0-79 | 0-127 | 0-7,5   | 0-15  | 0-21,5 | 0-39,5 | 0-63,5 |
| 660 m   |   | Kg    | 12000   | 12000 | 8000 | 4000 | 500   | 24000   | 24000 | 16000  | 8000   | 1000   |
|   |   | Kw    | 80  | 80    | 80   | 80   | 80    | 80  | 80    | 80     | 80     | 80     |

75Hp (55Kw)-INV-5V  
400V-50/60HZ  
HBG 106m S/R Ø20  
\*HBG 200m S/R Ø20-LE



|  |  | m/min |  |       |      |      |       |  |       |       |      |      |
|---|---|-------|---|-------|------|------|-------|---|-------|-------|------|------|
|   |   |       | 0-24  | 0-30  | 0-38 | 0-72 | 0-110 | 0-12  | 0-15  | 0-19  | 0-36 | 0-55 |
| 212 m   |   | Kg    | 12000   | 12000 | 8000 | 4000 | 1000  | 24000   | 24000 | 16000 | 8000 | 2000 |
|   |   | Kw    | 55  | 55    | 55   | 55   | 55    | 55  | 55    | 55    | 55   | 55   |

|   |        |              |     |      |
|---|--------|--------------|-----|------|
|  | m/min  | 15 / 45 / 90 |     |      |
|   | Kw     | 11           |     |      |
|  | r.p.m. | 0,3          | 0,6 | 0,75 |
|   | Kw     | 2 x 15       |     |      |
|  | m/min  | 12 / 24      |     |      |
|   | Nm     | 4 x 80       |     |      |

110Hp (80Kw) - INV

|   |   |   |                        |                      |                             |                             |                              |
|---|---|---|------------------------|----------------------|-----------------------------|-----------------------------|------------------------------|
|  |  | 400V 50Hz I <sub>max</sub> = 260A Fuse= 300A  | TOTAL POWER<br>134 KVA | GENERATOR<br>280 KVA | 100m<br>4x70mm <sup>2</sup> | 150m<br>4x95mm <sup>2</sup> | 200m<br>4x120mm <sup>2</sup> |
| 2000/14/CEE<br>2005/88/CEE  | 2006/95<br>/CEE   | 480V 60Hz I <sub>max</sub> = 192A Fuse = 250A |                        |                      |                             |                             |                              |


75Hp (55Kw) - INV


|   |   |   |                        |                      |                             |                             |                              |
|---|---|---|------------------------|----------------------|-----------------------------|-----------------------------|------------------------------|
|  |  | 400V 50Hz I <sub>max</sub> = 187A Fuse= 224A  | TOTAL POWER<br>109 KVA | GENERATOR<br>200 KVA | 100m<br>4x50mm <sup>2</sup> | 150m<br>4x70mm <sup>2</sup> | 200m<br>4x120mm <sup>2</sup> |
| 2000/14/CEE<br>2005/88/CEE  | 2006/95<br>/CEE   | 480V 60Hz I <sub>max</sub> = 175A Fuse = 175A |                        |                      |                             |                             |                              |


\* Opcional / Optional / Opzionale

 Elevación / Hoisting / Heben / Levage / Sollevamento

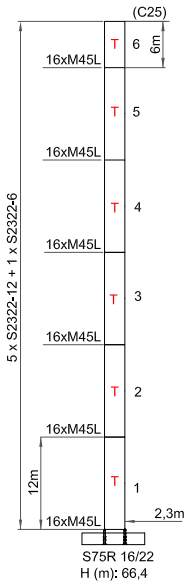
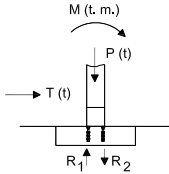
 Distribución / Trolleying / Katzfahren / Distribution / Distribuzione

 Orientación / Slewing / Schwenken / Orientation / Rotazione

 Traslación / Travelling / Schienenfahren / Transtation / Trastazione

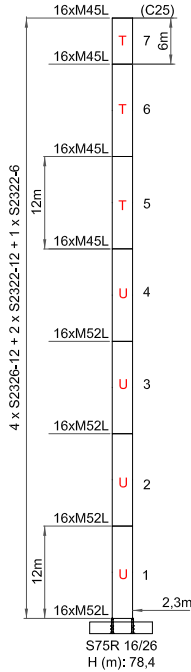
 Cable / Rope / Seil / Câble / Funne

FEM 1005-C25-D25 / EN 14439 - Mástil / Reacciones - Masts / Reactions - Maste / Eckdrücke - Mat / Réactions - Torre / Réazioni - Реакции / Комплектация башни



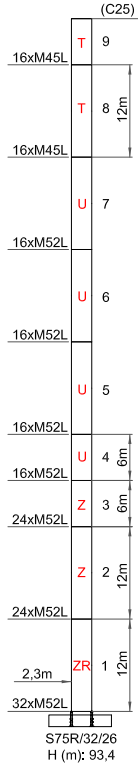
S75R 16/22  
H (m): 66,4

| (m) | max. H(m) |      |
|-----|-----------|------|
|     | FEM 1005  |      |
|     | C25       | D25  |
| 45  | 48,4      | 48,4 |
| 50  | 54,5      | 51,4 |
| 55  | 54,4      | 54,4 |
| 60  | 54,4      | 57,4 |
| 65  | 54,4      | 57,4 |
| 70  | 60,4      | 57,4 |
| 75  | 60,4      | 57,4 |
| 80  | 66,4      | 57,4 |



S75R 16/26  
H (m): 78,4

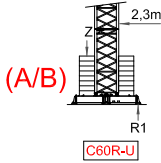
| (m) | max. H(m) |      |
|-----|-----------|------|
|     | FEM 1005  |      |
|     | C25       | D25  |
| 45  | 75,4      | 72,4 |
| 50  | 75,4      | 72,4 |
| 55  | 78,4      | 72,4 |
| 60  | 78,4      | 69,4 |
| 65  | 78,4      | 66,4 |
| 70  | 78,4      | 66,4 |
| 75  | 78,4      | 66,4 |
| 80  | 78,4      | 66,4 |



S75R/32/26  
H (m): 93,4

| (m) | max. H(m) |      |
|-----|-----------|------|
|     | FEM 1005  |      |
|     | C25       | D25  |
| 45  | 93,4      | 81,4 |
| 50  | 93,4      | 81,4 |
| 55  | 93,4      | 81,4 |
| 60  | 93,4      | 81,4 |
| 65  | 93,4      | 81,4 |
| 70  | 93,4      | 81,4 |
| 75  | 93,4      | 81,4 |
| 80  | 93,4      | 81,4 |

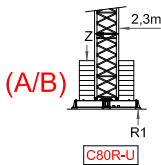
FEM 1005-C25-D25 / EN 14439 - Bloque lastre de base - Base ballast block - Grundballastblöcke - Bloc de lest de base - Blocco di zavorra alla base - Балласты опорной рамы



| max. H(m)<br>(m) | Z (t)           |                 | R1 (t)          |       |      |  |
|------------------|-----------------|-----------------|-----------------|-------|------|--|
|                  | FEM 1005<br>C25 | FEM 1005<br>C25 | FEM 1005<br>C25 | T(12) | T(6) |  |
| 45               | 49,5            | 160             | 186,3           | 2     | 4    |  |
| 50               | 55,5            | 180             | 196,2           | 2     | 5    |  |
| 55               | 55,5            | 180             | 195,3           | 2     | 5    |  |
| 60               | 55,5            | 160             | 186,9           | 2     | 5    |  |
| 65               | 55,5            | 160             | 183             | 2     | 5    |  |
| 70               | 61,5            | 180             | 193,9           | 2     | 6    |  |
| 75               | 61,5            | 190             | 187,5           | 2     | 6    |  |
| 80               | 61,5            | 200             | 193,6           | 2     | 6    |  |

Ⓢ

| max. H(m)<br>(m) | Z (t)           |                 | R1 (t)          |       |      |  |
|------------------|-----------------|-----------------|-----------------|-------|------|--|
|                  | FEM 1005<br>D25 | FEM 1005<br>D25 | FEM 1005<br>D25 | T(12) | T(6) |  |
| 45               | 49,5            | 180             | 186,3           | 2     | 4    |  |
| 50               | 49,5            | 175             | 179,9           | 2     | 4    |  |
| 55               | 49,5            | 170             | 178,8           | 2     | 4    |  |
| 60               | 55,5            | 192             | 186,9           | 2     | 5    |  |
| 65               | 55,5            | 192             | 186,4           | 2     | 5    |  |
| 70               | 55,5            | 192             | 194,3           | 2     | 5    |  |
| 75               | 55,5            | 192             | 205             | 2     | 5    |  |
| 80               | 55,5            | 192             | 214,8           | 2     | 5    |  |



| max. H(m)<br>(m) | Z (t)           |                 | R1 (t)          |       |      |       |      |      |  |
|------------------|-----------------|-----------------|-----------------|-------|------|-------|------|------|--|
|                  | FEM 1005<br>C25 | FEM 1005<br>C25 | FEM 1005<br>C25 | U(12) | U(6) | T(12) | T(6) | T(3) |  |
| 45               | 64,8            | 144             | 189,6           | 3     | -    | 2     | -    | 1    |  |
| 50               | 61,8            | 128             | 188,1           | 2     | 1    | 2     | 1    | -    |  |
| 55               | 67,8            | 160             | 188,1           | 2     | 1    | 3     | -    | -    |  |
| 60               | 67,8            | 160             | 199,4           | 2     | 1    | 3     | -    | -    |  |
| 65               | 67,8            | 160             | 187,2           | 2     | 1    | 3     | -    | -    |  |
| 70               | 67,8            | 144             | 192,7           | 2     | 1    | 3     | -    | -    |  |
| 75               | 67,8            | 144             | 183,4           | 2     | 1    | 3     | -    | -    |  |
| 80               | 67,8            | 144             | 190,9           | 2     | 1    | 3     | -    | -    |  |

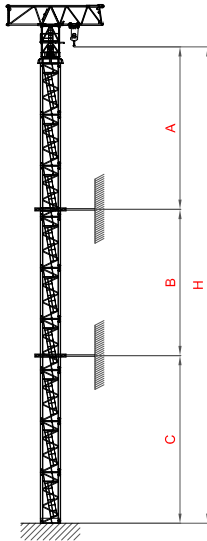
Ⓢ


| max. H(m)<br>(m) | Z (t)           |                 | R1 (t)          |       |      |       |      |      |  |
|------------------|-----------------|-----------------|-----------------|-------|------|-------|------|------|--|
|                  | FEM 1005<br>D25 | FEM 1005<br>D25 | FEM 1005<br>D25 | U(12) | U(6) | T(12) | T(6) | T(3) |  |
| 45               | 68,5            | 170             | 182,3           | 4     | 3    | -     | -    | -    |  |
| 50               | 68,5            | 170             | 186,5           | 4     | 3    | -     | -    | -    |  |
| 55               | 68,5            | 165             | 191,8           | 4     | 3    | -     | -    | -    |  |
| 60               | 68,5            | 155             | 203,4           | 4     | 3    | -     | -    | -    |  |
| 65               | 68,5            | 150             | 210             | 4     | 3    | -     | -    | -    |  |
| 70               | 68,5            | 145             | 215,5           | 4     | 3    | -     | -    | -    |  |
| 75               | 68,5            | 145             | 224,3           | 4     | 3    | -     | -    | -    |  |
| 80               | 68,5            | 150             | 232             | 4     | 3    | -     | -    | -    |  |

Ⓢ Consultarnos - Consultateci - Consult us - Nous consulter - Auf anfrage -  
Другие высоты подъема и наращивание крана по запросу

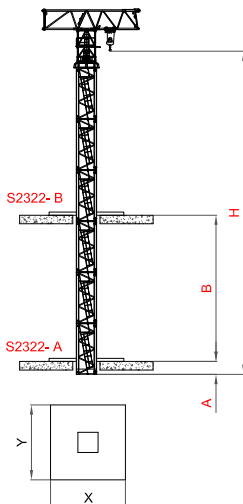
## Proceso de trepado - Climbing - Kletterkrane - Telescopable - Sopralzo idraulico - Процесс наращивания крана

TREPADO EXTERNO / EXTERNAL CLIMBING / GEANKERTER KLAN /  
GRUE ANDRÉE / GRU ANCORATA / ВОСХОЖДЕНИЕ ЭКСТЕРНО



|                |   |
|----------------|---|
|                |  |
| A max. (m)     | 45  |
| B min/max. (m) | 24 / 42   |
| C min/max. (m) | 30 / 60   |
| H max. (m)     | ①   |

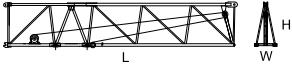
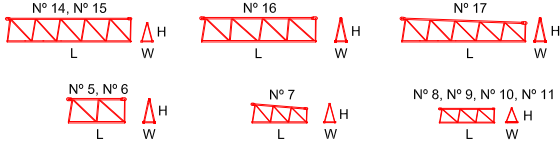
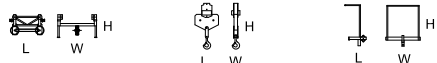
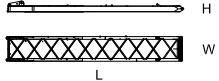
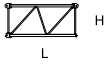
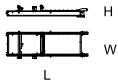
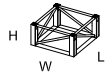
TREPADO INTERNO / BOTTOM CLIMBING CRANE / KLETTERKRANE IM GEBÄUDE / TÉLESCOPAGE SUR DALLES /  
GRU CLIMBING / ВНУТРЕННИЙ ПРОЦЕСС ТЕЛЕСКОПИРОВАНИЯ



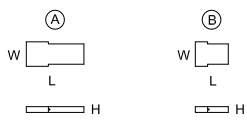
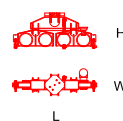
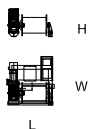
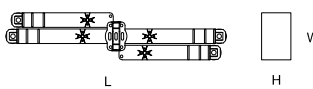
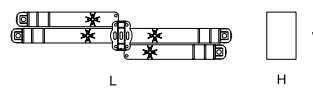
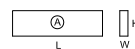
|            |                |    |    |    |
|------------|----------------|----|----|----|
|            | <b>S 23 22</b> |    |    |    |
| A min. (m) | 2              | 2  | 2  | 2  |
| B min. (m) | 10             | 12 | 14 | 16 |
| H max. (m) | 36             | 44 | 50 | 54 |
| X (m)      | 3              |    |    |    |
| Y (m)      | 2,5            |    |    |    |

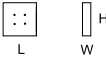
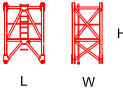

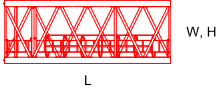
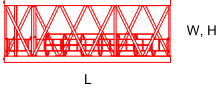
① Consultarnos - Consultateci - Consult us - Nous consulter - Auf anfrage -  
Другие высоты подъема и наращивания крана по запросу

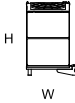
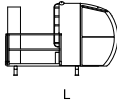
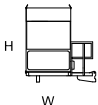
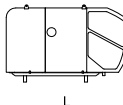

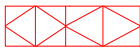

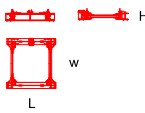
Dimensiones y transporte - dimensions and transport - Abmessungen und Transport - dimensions et des transports - dimensioni e trasporti - Размеры и транспорта


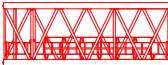
|  | L(m)  | W(m)  | H(m)   | Peso(Kg)   |  |
|--|---|---|--|--|--|
| <b>Pluma tramo primero</b> / Jib heel section / Ausleger-Anlenkstück / Pied de fleche / Settore articolato di braccio / Корневая секция стрелы<br>  | 11,3  | 1,78  | 2,45   | 9580   |  |
| <b>Elemento intermedio de pluma</b> / Intermediate jib section / Ausleger-Zwischenstück / Elément interm. de fleche / Spezzione di braccio / Промежуточная секция стрелы<br>                                | 14<br>15<br>16<br>17<br>5<br>6<br>7<br>8<br>9<br>10<br>11             | 10,45<br>10,4<br>10,35<br>10,35<br>5,3<br>5,3<br>5,26<br>5,25<br>5,21<br>5,18<br>5,15 | 1,65<br>1,65<br>1,65<br>1,65<br>1,65<br>1,65<br>1,65<br>1,65<br>1,65<br>1,65<br>1,65 | 2,45<br>2,42<br>2,36<br>2,36<br>2,07<br>2,07<br>2,02<br>1,67<br>1,67<br>1,65<br>1,65 | 5075<br>3980<br>3020<br>2280<br>1035<br>890<br>765<br>690<br>570<br>460<br>340 |
| <b>Carro, Gancho y Puntera</b> / Trolley, Hook and jib head / Lasthaken - Laufkatze-Cabeça de Lança / Chariot - Crochet - Pointe de fleche / Carrello, Gancio e Punta freccia / Крюк и грузовая тележка<br> |   |   |  | 1050<br>1135<br>212  |  |
| <b>Contrapluma 1</b> / Counter-jib 1 / Gegenausleger 1 / Contre-fleche 1 / Controbrazzo 1 / Консоль противовеса 1 / Консоль противовеса 1<br>   | 11,94   | 1,66  | 0,75   | 6000   |  |
| <b>Contrapluma 1-A</b> / Counter-jib 1-A / Gegenausleger 1-A / Contre-fleche 1-A / Controbrazzo 1-A / Консоль противовеса 1-A / Консоль противовеса 1-A<br>   | 5,3   | 1,78  | 2,41   | 2700   |  |
| <b>Contrapluma 2</b> / Counter-jib 2 / Gegenausleger 2 / Contre-fleche 2 / Controbrazzo 2 / Консоль противовеса 2 / Консоль противовеса 2<br>   | 5,55  | 1,75  | 0,83   | 4000   |  |
| <b>Elemento de empotre</b> / Foundation anchor / Fundamentanker / Pieds de scellement / El anegare / Анкерные крепления<br>   | S75R16/20<br>S75R16/22<br>S75R16/26<br>S75R24/26<br>S75R32/26<br>Dlma | 0,35<br>0,5<br>0,5<br>0,5<br>0,5<br>2,31  | 0,35<br>0,5<br>0,5<br>0,5<br>0,5<br>2,34   | 1,6<br>2<br>2,4<br>2,4<br>3<br>0,8   | 1200<br>1400<br>2100<br>3400<br>3500<br>1650                                   |



|  | L(m) | W(m) | H(m) | Peso(Kg) |       |
|--|------|------|------|----------|-------|
| <p><b>Bloque de contrapeso</b> / Counterweight blocks / Gegengewichtsblöcke / Bloc de contrepois / Blocco di contrappeso / Плита противовеса</p>  | A    | 3,4  | 1,55 | 0,29     | 3500  |
|  | B    | 2,4  | 1,55 | 0,29     | 2500  |
| <p><b>Traslacion</b> / Travelling bogies / Kranfahren / Traslacion / Traslazione</p>    | (x4) | 2,94 | 1,25 | 0,97     | 3102  |
| <p><b>Equiplo de elevacion</b> / Holst wlnch / Heben / Levage / Sollevamento</p>    |      | 2    | 2,1  | 2        | 7500  |
| <p><b>Base C60R-U</b> / base C60R-U / Hauptträger für fundamentkreuz C60R-U / Base C60R-U / Base C60R-U</p>                                       |      | 9,01 | 1,94 | 1,45     | 13500 |
| <p><b>Base C80R-U</b> / base C80R-U / Hauptträger für fundamentkreuz C80R-U / Base C80R-U / Base C80R-U</p>                                     |      | 11,8 | 1,94 | 1,45     | 17200 |
| <p><b>Bloque lastre de base</b> / Base ballast block / Grundballastblöcke / Bloc de lest de base / Blocco di zavorra alla base</p>              |      | 4,5  | 0,51 | 0,9      | 5000  |
|  |      | 5,8  | 0,4  | 1,5      | 8000  |

|   | L(m) | W(m) | H(m) | Peso(Kg)  |      |   |      |      |      |   |    |      |      |      |   |   |      |      |      |   |    |      |      |       |   |   |      |      |      |   |    |      |      |       |    |   |      |      |      |    |    |      |      |       |     |    |      |      |       |
|---|------|------|------|---|------|---|------|------|------|---|----|------|------|------|---|---|------|------|------|---|----|------|------|-------|---|---|------|------|------|---|----|------|------|-------|----|---|------|------|------|----|----|------|------|-------|-----|----|------|------|-------|
| <p><b>Bloque apoyo de base</b> / Base support block / Grundballastblöcke / Bloc de appui de base / Blocco di appoggio alla base</p>    | 2    | 0,5  | 2    | 5000  |      |   |      |      |      |   |    |      |      |      |   |   |      |      |      |   |    |      |      |       |   |   |      |      |      |   |    |      |      |       |    |   |      |      |      |    |    |      |      |       |     |    |      |      |       |
| <p><b>Unidad de rotacion S23</b> / Complete slewing unit S23 / Drehbühne S23 / Orientation S23 / Rotazione S23 / Оголовок башни S23</p>   | 2,22 | 1,64 | 3,28 | 3200  |      |   |      |      |      |   |    |      |      |      |   |   |      |      |      |   |    |      |      |       |   |   |      |      |      |   |    |      |      |       |    |   |      |      |      |    |    |      |      |       |     |    |      |      |       |
| <p><b>Elemento de torre S23</b> / Tower section S23 / Turmstück S23 / Elément de mât S23 / Elemento di torre S23 / Башенные секции S23</p>   |      |      |      | <table border="0"> <tr><td>T</td><td>6</td><td>2,27</td><td>2,29</td><td>4780</td></tr> <tr><td>T</td><td>12</td><td>2,27</td><td>2,29</td><td>9000</td></tr> <tr><td>U</td><td>6</td><td>2,31</td><td>2,34</td><td>6200</td></tr> <tr><td>U</td><td>12</td><td>2,31</td><td>2,34</td><td>11180</td></tr> <tr><td>Z</td><td>6</td><td>2,31</td><td>2,55</td><td>7825</td></tr> <tr><td>Z</td><td>12</td><td>2,31</td><td>2,55</td><td>15064</td></tr> <tr><td>ZR</td><td>6</td><td>2,31</td><td>2,55</td><td>7925</td></tr> <tr><td>ZR</td><td>12</td><td>2,31</td><td>2,55</td><td>15200</td></tr> <tr><td>ZZR</td><td>12</td><td>2,31</td><td>2,55</td><td>15325</td></tr> </table> | T    | 6 | 2,27 | 2,29 | 4780 | T | 12 | 2,27 | 2,29 | 9000 | U | 6 | 2,31 | 2,34 | 6200 | U | 12 | 2,31 | 2,34 | 11180 | Z | 6 | 2,31 | 2,55 | 7825 | Z | 12 | 2,31 | 2,55 | 15064 | ZR | 6 | 2,31 | 2,55 | 7925 | ZR | 12 | 2,31 | 2,55 | 15200 | ZZR | 12 | 2,31 | 2,55 | 15325 |
| T   | 6    | 2,27 | 2,29 | 4780  |      |   |      |      |      |   |    |      |      |      |   |   |      |      |      |   |    |      |      |       |   |   |      |      |      |   |    |      |      |       |    |   |      |      |      |    |    |      |      |       |     |    |      |      |       |
| T   | 12   | 2,27 | 2,29 | 9000  |      |   |      |      |      |   |    |      |      |      |   |   |      |      |      |   |    |      |      |       |   |   |      |      |      |   |    |      |      |       |    |   |      |      |      |    |    |      |      |       |     |    |      |      |       |
| U   | 6    | 2,31 | 2,34 | 6200  |      |   |      |      |      |   |    |      |      |      |   |   |      |      |      |   |    |      |      |       |   |   |      |      |      |   |    |      |      |       |    |   |      |      |      |    |    |      |      |       |     |    |      |      |       |
| U   | 12   | 2,31 | 2,34 | 11180   |      |   |      |      |      |   |    |      |      |      |   |   |      |      |      |   |    |      |      |       |   |   |      |      |      |   |    |      |      |       |    |   |      |      |      |    |    |      |      |       |     |    |      |      |       |
| Z   | 6    | 2,31 | 2,55 | 7825  |      |   |      |      |      |   |    |      |      |      |   |   |      |      |      |   |    |      |      |       |   |   |      |      |      |   |    |      |      |       |    |   |      |      |      |    |    |      |      |       |     |    |      |      |       |
| Z   | 12   | 2,31 | 2,55 | 15064   |      |   |      |      |      |   |    |      |      |      |   |   |      |      |      |   |    |      |      |       |   |   |      |      |      |   |    |      |      |       |    |   |      |      |      |    |    |      |      |       |     |    |      |      |       |
| ZR  | 6    | 2,31 | 2,55 | 7925  |      |   |      |      |      |   |    |      |      |      |   |   |      |      |      |   |    |      |      |       |   |   |      |      |      |   |    |      |      |       |    |   |      |      |      |    |    |      |      |       |     |    |      |      |       |
| ZR  | 12   | 2,31 | 2,55 | 15200   |      |   |      |      |      |   |    |      |      |      |   |   |      |      |      |   |    |      |      |       |   |   |      |      |      |   |    |      |      |       |    |   |      |      |      |    |    |      |      |       |     |    |      |      |       |
| ZZR   | 12   | 2,31 | 2,55 | 15325   |      |   |      |      |      |   |    |      |      |      |   |   |      |      |      |   |    |      |      |       |   |   |      |      |      |   |    |      |      |       |    |   |      |      |      |    |    |      |      |       |     |    |      |      |       |
| <p><b>Elemento de torre S24</b> / Tower section S24 / Turmstück S24 / Elément de mât S24 / Elemento di torre S24 / Башенные секции S24</p>   | R    | 5,9  | 2,42 | 2,37  | 4200 |   |      |      |      |   |    |      |      |      |   |   |      |      |      |   |    |      |      |       |   |   |      |      |      |   |    |      |      |       |    |   |      |      |      |    |    |      |      |       |     |    |      |      |       |

|  | L(m) | W(m) | H(m) | Peso(Kg) |
|--|------|------|------|----------|
| <p><b>Cabina y soporte</b> / Cabln and platform / Kablne und wartungs / Cablne et support / Cablna e supporto / Кабина с основой</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>H</p> <p>W</p> </div> <div style="text-align: center;">  <p>L</p> </div> <div style="text-align: center;"> <p>LUXE</p> <p>3,86   2,03   2,42   1830</p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="text-align: center;">  <p>H</p> <p>W</p> </div> <div style="text-align: center;">  <p>L</p> </div> <div style="text-align: center;"> <p>NT</p> <p>4,00   2,30   2,48   2330</p> </div> </div> |      |      |      |          |
| <p><b>Marco trepado externo</b> / Tie-frame / Cadre d'encrage externe / Sopralzo con ancoraggio esterno / внешняя рамка пристежки</p> <div style="text-align: center; margin-top: 20px;">  <p>H</p> <p>w</p> <p>L</p> </div>  | 3,52 | 3,49 | 0,42 | 3900     |
| <p><b>Jaula de telescopaje tipo S23</b> / Climbing cage type S23 / Hydraulkbühne S23 / Cage de telescopage type S23 / Gabbia di montaggio S23 / Монтажная обойма S23</p>   |      |      |      |          |
| <p><b>Completa</b> / Full / Vollständige / Complete / completa / полный</p> <div style="display: flex; justify-content: center; align-items: center; margin-top: 20px;"> <div style="text-align: center;">  <p>L</p> </div> <div style="text-align: center; margin-left: 20px;">  <p>H</p> <p>W</p> </div> </div>  | 11,6 | 3,2  | 3,3  | 13500    |
| <p><b>Estructura</b> / Steel frame / Struktur / Construction / Struttura / структура</p>   |      |      |      | 9550     |
| <p><b>Hidráulico y accesorios</b> / Hydraulic and accessories / Hydraulik-und Zubehör / hydraulique et accessoires / idrauliche ed accessori / Гидравлические и аксессуары</p>   |      |      |      | 3950     |
| <p><b>Marco trepado Interno S23</b> / Floor climbing frame S23 / Cadre d'encrage Interne S23 / Sopralzo Interno S23 / внешняя рамка пристежки S23 / внутренняя рамка пристежки S23</p> <div style="text-align: center; margin-top: 20px;">  <p>H</p> <p>w</p> <p>L</p> </div>   | 3,2  | 2,8  | 0,6  | 4720     |
| <p><b>Hidráulico y accesorios</b> / Hydraulic and accessories / Hydraulik-und Zubehör / hydraulique et accessoires / idrauliche ed accessori</p>   |      |      |      | 3081     |

|   |  |      | L(m) | W(m) | H(m) | Peso(Kg) |      |
|---|--|------|------|------|------|----------|------|
| <b>Tramo trep. A S23</b> / Tower section A S23 / Turmstück A S23 / Élément de mât A S23 / Elemento di torre a S23 / Башенные секции A S23 / Башенные секции A S23 |  |      |      |      |      |          |      |
|    |  | W, H | A    | 6    | 2,27 | 2,29     | 4854 |
| <b>Tramo trep. B S23</b> / Tower section B S23 / Turmstück B S23 / Élément de mât B S23 / Elemento di torre B S23 / Башенные секции B S23 / Башенные секции B S23 |  |      |      |      |      |          |      |
|    |  | W, H | B    | 6    | 2,27 | 2,29     | 4850 |



**11x40" HC + 2x40" OT - HBG 30 m**



**x 12 - HBG 30 m**