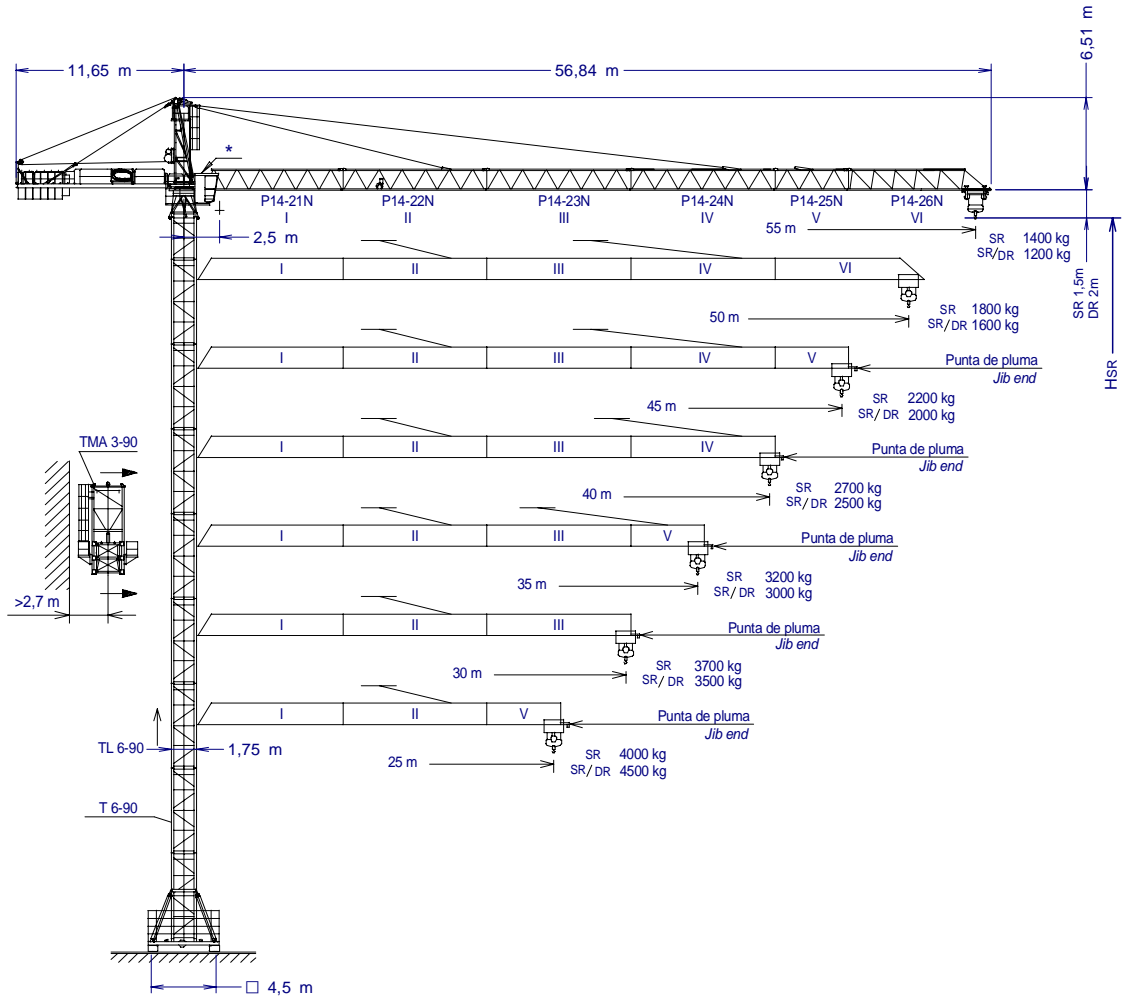


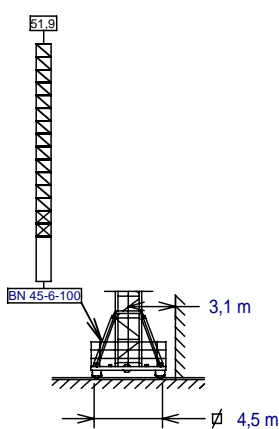
UNE 58-101-92
FEM 1001

SISTEMA DE CALIDAD CERTIFICADO SEGUN
QUALITY ASSURANCE SYSTEM CERTIFIED ACCORDING TO
UNE-EN-ISO 9001

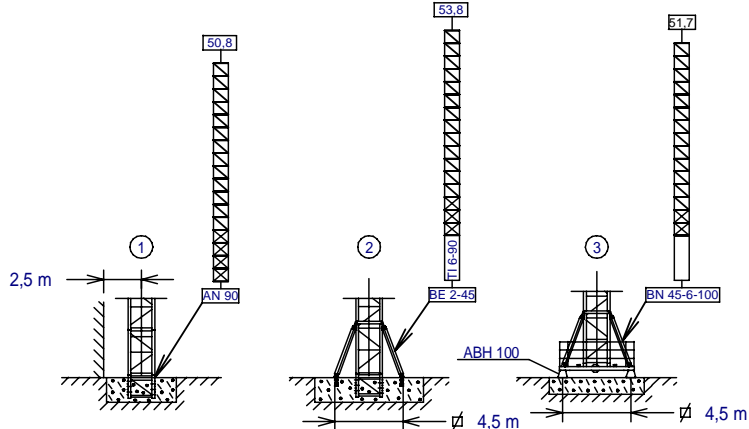


| | | | | | |
|--------------------------------------|---|----------------|------------|-------------------|------------|
| *Cabina opcional * Optional cabin | $H_{DR} = H_{SR} - 0,5$ | TMA 3-90 ----- | 158.35.000 | BN 45-6-100 ----- | 145.20.500 |
| | $H_{SR} =$ Altura máxima bajo gancho sin arriostrar (m) Maximum height under hook without fastening (m) | TL3-90 ----- | 158.32.000 | ABH 100 ----- | 201.23.000 |
| | Punta de pluma 158.46.000 para alcances: Jib end 158.46.000 for these working radius: 25 m, 30 m, 35 m, 40 m & 45 m | TL6-90 ----- | 158.31.000 | P14-21N ----- | 158.40.000 |
| | | T3-90 ----- | 133.32.000 | P14-22N ----- | 158.41.000 |
| | | T6-90 ----- | 133.31.000 | P14-23N ----- | 158.42.000 |
| | | TI-6-90 ----- | 133.30.000 | P14-24N ----- | 158.43.000 |
| | | BE 2-45 ----- | 133.22.000 | P14-25N ----- | 158.44.000 |
| | | | | P14-26N ----- | 158.45.000 |

(H_{SR}) TRASLACION / TRAVELLING



(H_{SR}) ESTACIONARIA / STATIONARY





- T 3-90
- TL 3-90
- T 6-90
- TL 6-90

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|  SR (kg) | | Cargas máximas / Maximum loads SR1 - 3000 SR2 - 4000 | | | | | | 3000-4000 kg...a | |
|--|--|--|-------|-------|-------|-----------|-----------|------------------|---------------|
| | | Alcance del gancho (m) / Hook reach (m) | | | | | | | |
| PLUMA JIB | | 55 | 50 | 45 | 40 | 35 | 30 | 25 | |
| 55 m | | 1400 | 1580 | 1800 | 2075 | 2430 | 2900 | 3000-3560 | 29,12-22,5 m |
| 50 m | | ----- | 1800 | 2045 | 2350 | 2745 | 3000-3265 | 3000-4000 | 32,35-25 m |
| 45 m | | ----- | ----- | 2200 | 2525 | 2945 | 3000-3500 | 3000-4000 | 34,41-26,59 m |
| 40 m | | ----- | ----- | ----- | 2700 | 3000-3145 | 3000-3735 | 3000-4000 | 36,47-28,18 m |
| 35 m | | ----- | ----- | ----- | ----- | 3000-3200 | 3000-3800 | 3000-4000 | 35-28,64 m |
| 30 m | | ----- | ----- | ----- | ----- | ----- | 3000-3700 | 3000-4000 | 30-27,95 m |
| 25 m | | ----- | ----- | ----- | ----- | ----- | ----- | 3000-4000 | 25 m |

|  SR / DR (kg) | | Cargas máximas / Maximum loads SR1/DR1 - 3000/6000 | | | | | | | | 3000/6000 kg...a | |
|---|--|--|-------|-------|-------|-------|-----------|-----------|-----------|------------------|---------------|
| | | Alcance del gancho (m) / Hook reach (m) | | | | | | | | | |
| PLUMA JIB | | 55 | 50 | 45 | 40 | 35 | 30 | 25 | 20 | 15 | |
| 55 m | | 1200 | 1380 | 1600 | 1875 | 2230 | 2700 | 3000/3360 | 3000/4350 | 3000/6000 | 27,5/15 m |
| 50 m | | ----- | 1600 | 1845 | 2150 | 2540 | 3000/3065 | 3000/3800 | 3000/4900 | 3000/6000 | 30,56/16,67 m |
| 45 m | | ----- | ----- | 2000 | 2325 | 2745 | 3000/3300 | 3000/4080 | 3000/5250 | 3000/6000 | 32,5/17,75 m |
| 40 m | | ----- | ----- | ----- | 2500 | 2945 | 3000/3535 | 3000/4360 | 3000/5600 | 3000/6000 | 34,44/18,79 m |
| 35 m | | ----- | ----- | ----- | ----- | 3000 | 3000/3600 | 3000/4440 | 3000/5700 | 3000/6000 | 35/19,09 m |
| 30 m | | ----- | ----- | ----- | ----- | ----- | 3000/3500 | 3000/4320 | 3000/5550 | 3000/6000 | 30/18,64 m |
| 25 m | | ----- | ----- | ----- | ----- | ----- | ----- | 3000/4500 | 3000/5775 | 3000/6000 | 25/19,32 m |

**CARACTERISTICAS DE MECANISMOS
MECHANISMS FEATURES**

Mecanismos sin VF: Para 480V Potencias y velocidades: 20% más
 Mechanisms without VF: For 60Hz Powers and speeds: 20% more

| *opcional *optional | |  | | | |  TG1125VF |  OG1108VF |  TC465VF |  TH1210 |
|---|---|---|---|--------------------------|--|---|--|---|--|
| | | EC2556 SR1 | * EC3380VF SR1 | EC2544 SR2 | * EC3360VF SR2 | | | | |
|  t m/min | 1,5 3 3 56 28 7 | 1,5 3 0...80 0...40 | 2 4 4 44 22 5,5 | 2 4 0...60 0...30 | 0...25 m/min | 0...0,2 0,2...0,4 0,4...0,8 r/min sl/min | 0...15 15...32 32...65 m/min | 1 m/min | |
|  t m/min | 3 6 6 28 14 4 | 3 6 0...40 0...20 | | | | | | | |
| KW | 18,4 | 24,2 | 18,4 | 24,2 | 2 x 4 | 2 x 4 | 3 | 9,2 | |
| Máx. recorrido gancho Maximum hook course | SR 136m 3 capas/ layers 240m 5 capas máx. / max. layers | | SR 102m 3 capas/ layers 272m 7 capas máx./max. layers | |  400V 50Hz | Potencia necesaria con ... Power required with ... EC 25XX=37,4 kW EC 33XXVF=43,2 kW * | | | |

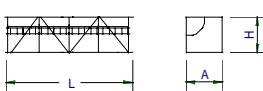
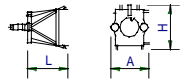
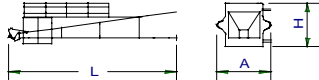
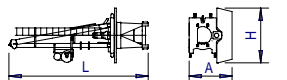
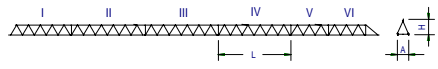



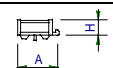
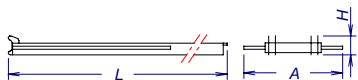



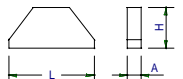
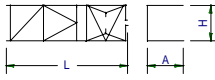
Importante: A medida que la altura bajo gancho aumenta, disminuye la capacidad de carga de la grúa. Para alturas superiores a la autoestable consultar a JASO EQUIPOS DE OBRAS Y CNES, S.L.

Important: When the height under hook increases, the hoisting load will decrease. If the height under hook is higher than the free standing height, consult to JASO EQUIPOS DE OBRAS Y CNES, S.L.



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| DENOMINACION / DENOMINATION | | L (m) | A (m) | H (m) | P / W (kg) | |
|--|---------------------------------|--|----------|----------|---------------|------|
| Torre Tower section | T16-90 |  | 6,236 | 2,095 | 2,095 | 2500 |
| | TL6-90 | | 6,136 | 1,818 | 1,818 | 1892 |
| | TL3-90 | | 3,186 | 1,818 | 1,818 | 960 |
| | T6-90 | | 6,235 | 1,818 | 1,818 | 2280 |
| | T3-90 | | 3,235 | 1,818 | 1,818 | 1212 |
| Torre asiento de pista. Base punta de torre y orientación Slewing table, Tower head base and Slewing mechanism | |  | 3,390 | 2,060 | 2,150 | 3400 |
| Punta de torre Tower head | |  | 6,164 | 1,200 | 1,350 | 1210 |
| Conjunto asiento pista + punta torre + orientación + elevación Slewing table assembly + tower head + slewing mechanism + hoisting mechanism | |  | 9,554 | 1,920 | 2,440 | 4610 |
| Tramo de pluma Jib section | P14-21N (I) |  | 10,150 | 1,366 | 1,665 | 965 |
| | P14-22N (II) | | 10,160 | 1,226 | 1,646 | 945 |
| | P14-23N (III) | | 10,160 | 1,226 | 1,547 | 785 |
| | P14-24N (IV) | | 10,160 | 1,226 | 1,547 | 655 |
| | P14-25N (V) | | 5,267 | 1,226 | 1,665 | 345 |
| | P14-26N (VI) | | 10,156 | 1,226 | 1,737 | 530 |
| Polipasto Hook assembly | SR |  | 0,76 | 0,160 | 0,960 | 190 |
| | DR |  | 1 | 0,235 | 1,288 | 293 |
| Carro Crab | SR |  | 1,100 | 1,330 | 0,730 | 195 |
| | DR |  | 1,410 | 1,471 | 1,204 | 295 |
| Contrapluma con plataformas Counterjib with platforms | |  | 10,70 | 1,410 | 0,430 | 1575 |
| Plataforma y cabina Platform and cabin | |  | 3,69 | 1,630 | 2,250 | 820 |
| Contrapeso Counterweight | Grande / Big Pequeño / Small |  | 1,080 | 0,500 | 2,025 | 2360 |
| | |  | 1,080 | 0,500 | 1,305 | 1500 |
| Lastre Ballast | |  | 3,800 | 0,580 | 1,500 | 6000 |
| Torre de montaje Jacking cage | |  | 6,420 | 2,535 | 2,410 | 3080 |

LASTRES INFERIORES / LOWER BALLASTS

Para alturas intermedias tomar el lastre correspondiente a la altura superior
For intermediate heights take the ballast corresponding to the higher height

| Altura bajo gancho (m) / Height under hook (m) | 19,6 | 31,6 | 40,6 | 46,6 | 52,6 |
|--|------|------|------|------|------|
| Número de piedras a colocar Number of ballast blocks to put | 6 | 8 | 10 | 12 | 14 |



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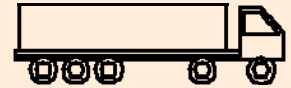
| Torres / Towers | Altura / Height | Diagrama de la torre | | | | | | Torres / Towers | Altura / Height |
|-----------------|-----------------|----------------------|----------------|----------------|----------------|----------------|------------|-----------------|-----------------|
| 1 | 3,55 | TL 3-90 | TL 3-90 | TL 3-90 | TL 3-90 | TL 3-90 | 158.32.000 | 1 | 3,55 |
| 2 | 6,50 | | | | | | | 2 | 6,50 |
| 3 | 9,45 | | | | | | | 3 | 9,45 |
| 4 | 12,40 | | | | | | | 4 | 12,40 |
| 5 | 15,35 | | | | | | | 5 | 15,35 |
| 6 | 18,30 | | | | | | | 6 | 18,30 |
| 7 | 21,25 | | | | | | | 7 | 21,25 |
| 8 | 24,20 | | | | | | | 8 | 24,20 |
| 9 | 27,15 | | | | | | | 9 | 27,15 |
| 10 | 30,10 | | | | | | | 10 | 30,10 |
| 11 | 33,05 | | | | | | | 11 | 33,05 |
| 12 | 36,0 | | | | | | | 12 | 36,0 |
| 13 | 38,95 | | | | | | | 13 | 38,95 |
| 14 | 41,90 | | T 3-90 TD 3-90 | T 3-90 TD 3-90 | T 3-90 TD 3-90 | T 3-90 TD 3-90 | 133.32.000 | 14 | 41,90 |
| 15 | 44,85 | | | | | | | 15 | 44,85 |
| 16 | 47,80 | AN 90 AND 90 | TN 17/T 3-90 | TN 17/T 3-90 | TN 17/T 3-90 | TN 17/T 3-90 | 139.36.000 | 16 | 47,80 |
| 17 | 50,75 | | TN 17 TND 17 | TN 17 TND 17 | TN 17 TND 17 | TN 17 TND 17 | 141.31.000 | 17 | 53,11 |
| | | | | | | | | 18 | 57,43 |
| | | | TR 17A TRD 17A | TR 17A TRD 17A | TR 17A TRD 17A | TR 17A TRD 17A | 141.30.400 | 19 | 61,75 |
| | | | | | | | | 20 | 66,07 |
| | | | | | | | | 21 | 70,39 |
| | | | | | | | | 22 | 74,71 |
| | | | | | | | | 23 | 79,03 |
| | | | | | | | | 24 | 84,40 |
| | | | | | | | | 25 | 88,72 |
| | | | | | | | | 26 | 93,04 |

| | |
|---------------|------------|
| AN 90 | 133.21.000 |
| AND 90 | 133.21.800 |
| AN 17 | 141.21.000 |
| AND 17/20/23 | 142.21.800 |
| ANDC 17/20/23 | 142.21.700 |
| AR 17 | 141.21.500 |
| ARD 17/20/23 | 142.21.900 |
| ARDC 17/20/23 | 142.21.600 |
| AR 23 | |
| ARD 17/20/23 | |
| ARDC 17/20/23 | |

Transporte grúa de 51,9 m bajo gancho con traslación y sin lastre

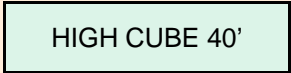
51,9 m under hook crane transport with travelling base and without base ballast

En camiones / In trucks



6 unidades / 6 units

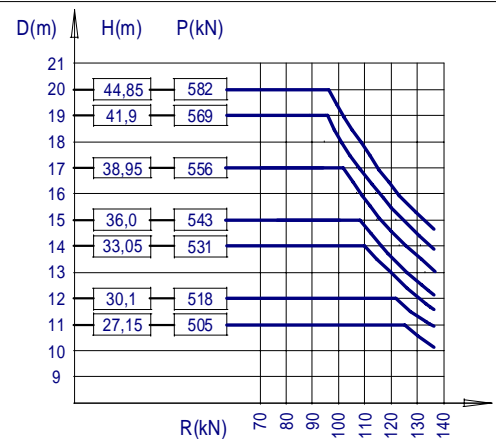
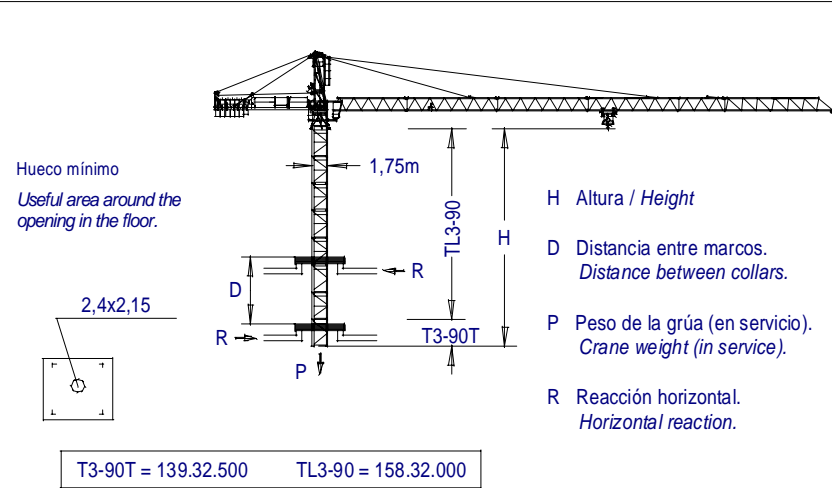
En contenedores / In containers



6 unidades / 6 units

Las configuraciones de torre representadas son recomendaciones de montaje que pueden ser utilizadas en cualquier instalación. Cada tramo de torre, en la posición indicada, puede asimismo ser utilizado como elemento inferior de torre en grúa autoestable estándar con su correspondiente altura bajo gancho. Configuraciones de torre para mayores alturas bajo gancho o con diferentes tramos de torre no representadas aquí, pueden ser también posibles aunque deben ser verificadas y confirmadas por escrito por nuestro departamento técnico en cada caso individual y antes de que empiece la instalación de la grúa.

The represented tower configurations are assembly recommendations that can be used in any installation. Each tower section in its indicated position can also be used as the lower element of the mast tower in standard freestanding crane with its corresponding height under hook. Tower configurations not shown here, with greater heights under hook or with different tower sections, are also possible but must be checked and confirmed in writing by our technical department in every individual case and before crane installation starts.



Nota: Consultar para otras configuraciones de torre.
Note: Consult for any other tower configurations.



JASO EQUIPOS DE OBRAS Y CONSTRUCCIONES, S.L.

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E-mail: jaso@jaso.com
http://www.jaso.com

Fecha / Date: 16-03-07

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DELEGACION / DELEGATION