TOWER ERECTION
## HYDRAULIC WINCHES

<table>
<thead>
<tr>
<th>CODE</th>
<th>RANGE</th>
<th>STANDARD CONFIGURATION</th>
<th>ROPE DIAMETER</th>
<th>ENGINE POWER</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMB101</td>
<td>10 kN</td>
<td>Capstan</td>
<td>8 mm</td>
<td>5,1 kW</td>
</tr>
<tr>
<td>AMB200</td>
<td>12 kN</td>
<td>Capstan / drum</td>
<td>8 mm</td>
<td>5,1 kW</td>
</tr>
<tr>
<td>AMB206 / AMB207</td>
<td>15 kN</td>
<td>2 capstans / 1 capstan and 1 drum</td>
<td>8 mm</td>
<td>8,1 kW</td>
</tr>
<tr>
<td>AMC402</td>
<td>30 kN</td>
<td>Drum</td>
<td>14 mm</td>
<td>25 kW</td>
</tr>
<tr>
<td>AMC501</td>
<td>50 kN</td>
<td>Drum</td>
<td>18 mm</td>
<td>34 kW</td>
</tr>
<tr>
<td>ARS515</td>
<td>50 kN</td>
<td>Bull-wheel</td>
<td>16,5 mm</td>
<td>16,5 kW</td>
</tr>
</tbody>
</table>

## SHACKLES

<table>
<thead>
<tr>
<th>CODE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ALG</td>
<td>3.40</td>
</tr>
</tbody>
</table>

## SERVICE SNATCH BLOCKS

<table>
<thead>
<tr>
<th>CODE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CZA / CZL</td>
<td>3.45</td>
</tr>
</tbody>
</table>

## DERRICKS

<table>
<thead>
<tr>
<th>CODE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FAL</td>
<td>3.50</td>
</tr>
</tbody>
</table>
TOWER ERECTION

The best match between hydraulic winch and derrick

Tesmec, worldwide well known for its stringing technology is also proposing specialized complete solutions for lifting works and tower erection.

Thanks to the continuous technical improvements, Tesmec has realized the perfect match between hydraulic winches and derricks, ensuring the top level of safety and efficiency: all machines and tools for lifting works are CE marked.
WINCHES: TIME SAVING SOLUTION

Hydraulic Winches, that can be used for stringing operations of low and medium voltage lines, are actually designed for lifting works, in particular for Tower Erection. All range is engineered to be light and compact as much as possible, in order to be easy for maneuvering and positioning. The use of these machines reduces the execution time and ensures a high level of safety:

+ Closed hydraulic circuit allows to adjust speed while lifting loads.
+ Negative self-active hydraulic brake stops the machine in case of overload.
+ Integrated Gear-box in the drum structure maximizes efficiency.∗

The machines performances declared are referred to the medium drum diameter. Consequently, the max pull value is higher than the pull declared if taken at the internal drum diameter. Similarly, the max speed value would be higher than the declared data, if taken at the external drum diameter.

∗ only on some models.

DERRICKS: EASY AND SAFE

Top European aluminium alloy and state of the art hand-made weldings ensure the best quality and safety. Thanks to the modular design, all the models of derricks are easy to handle. Each section is light and short and can easily be moved even in tough conditions. Every model is designed with a special base to simplify the derricks tilting. Furthermore, the head of those structures, being swivel, makes the anchorage process easy. The standard Tesmec is supplied with external rope passage, typically used hooked to the towers. However on demand each model can be provided with internal rope passage, usually preferred for the suspension of the derricks inside the tower shape.
AMB101
HYDRAULIC WINCH

MAX PULL
10 kN

MAX SPEED
1,9 km/h

ROPE DIAMETER
8 mm

PERFORMANCE *
Max pull 10 kN
Speed at max pull 1 km/h
Max speed 1,9 km/h
* at 20°C and at sea level

HYDRAULIC TRANSMISSION
Closed hydraulic circuit for stepless speed variation in both rotating directions.

CHARACTERISTICS
Capstan diameter 225 mm
Weight 100 kg
Weight with ADT001 130 kg

ENGINE
Gasoline 5,1 kW (7 hp)
Cooling system AIR
Starting system by handle

CONFIGURATION
Capstan winch. Negative self-acting hydraulic brake.

AVAILABLE DEVICES
ALL102 Pulling rope locking device when capstan is used (compulsory for EC market).
ALL105 Rigid axle and towing bar detachable, for manual towing.
ALL113 Handbarrow.
ADT001 Drum with automatic level wind
External diameter 350 mm
Internal diameter 200 mm
Width 390 mm
Rope diameter 8 mm
Max capacity 280 mm

Pictures & drawings can be different according to technical specifications - updating programme variations without notice are possible.
**AMB200 HYDRAULIC WINCH**

**PERFORMANCE**

- Max pull: 12 kN
- Speed at max pull: 0.8 km/h
- Max speed: 2.1 km/h
- Pull at max speed: 3 kN

* at 20°C and at sea level

**HYDRAULIC TRANSMISSION**

Closed hydraulic circuit for stepless speed variation in both rotating directions.

**CHARACTERISTICS**

- **Drum Specifications**
  - External diameter: 495 mm
  - Internal diameter: 273 mm
  - Width: 509 mm
  - Rope diameter: 8 mm
  - Max capacity: 900 mm

- **Capstan Specifications**
  - Diameter: 220 mm
  - Weight: 350 kg

**ENGINE**

- Gasoline: 5.1 kW (7 hp)
- Cooling system: AIR
- Starting system: by handle

**CONFIGURATION**


**AVAILABLE DEVICES**

- **ALL100** Conical drum, one side detachable.
- **ALL102** Pulling rope locking device when capstan is used (compulsory for EC market).
- **ALL103** Torque bar with set-point and automatic control of maximum pull.
- **ALL112** Trailer 80 km/h. EC type-approved for road circulation with hook Ø 40 mm and lighting system.

Pictures & drawings can be different according to technical specifications - updating programme variations without notice are possible.
AMB206/AMB207
HYDRAULIC WINCHES

PERFORMANCE *
- Max pull: 15 kN
- Speed at max pull: 0.35 km/h
- Max speed: 2.4 km/h
- Pull at max speed: 5 kN

* at 20°C and at sea level

HYDRAULIC TRANSMISSION
Closed hydraulic circuit for stepless speed variation in both rotating directions.

ENGINE
- Gasoline: 8.1 kW (11 hp)
- Cooling system: AIR
- Electrical system: 12 V

CONFIGURATION AMB206
- Two side capstans.
- Negative self-acting hydraulic brake.

CONFIGURATION AMB207
- 1 side capstan.
- 1 side drum with automatic level wind.
- Negative self-acting hydraulic brake.

CHARACTERISTICS
Drum Specifications
- External diameter: 378 mm
- Internal diameter: 220 mm
- Width: 200 mm
- Rope diameter: 8 mm
- Max capacity: 185 mm

Capstan Specifications
- Diameter: 250 mm
- Weight (Mod. AMB206): 300 kg
- Weight (Mod. AMB207): 320 kg

AVAILABLE DEVICES
- ALL102: Pulling rope locking device when capstan is used (compulsory for EC market).
- ALL105: Rigid axle and towing bar detachable, for manual towing.

Pictures & drawings can be different according to technical specifications - updating programme variations without notice are possible.
AMC402
HYDRAULIC WINCH

PERFORMANCE *
Max pull 30 kN
Speed at max pull 1.5 km/h
Max speed 5 km/h
Pull at max speed 8.5 kN
* at 20°C and at sea level

HYDRAULIC TRANSMISSION
Closed hydraulic circuit for stepless speed variation in both rotating directions.

CHARACTERISTICS
Drum Specifications
External diameter 530 mm
Internal diameter 355 mm
Width 700 mm
Rope diameter 14 mm
Max capacity 400 m
Weight 1000 kg

ENGINE
Diesel 25 kW (34 hp)
Cooling system WATER
Starting system 12 V

CONFIGURATION

AVAILABLE DEVICES
ALL102 Pulling rope locking device when capstan is used (compulsory for EC market).
ALL112 Trailer 80 km/h. EC type-approved for road circulation with hook Ø 40 mm and lighting system.
ALL107 Capstan for lifting operations
Max pull 10 kN
Max speed 1.5 km/h
Capstan diameter 220 mm

Pictures & drawings can be different according to technical specifications - updating programme variations without notice are possible.
AMC501
HYDRAULIC WINCH

**PERFORMANCE** *

Max pull 50 kN
Speed at max pull 1.3 km/h
Max speed 6 km/h
Pull at max speed 10.5 kN

* at 20°C and at sea level

**HYDRAULIC TRANSMISSION**
Closed hydraulic circuit for stepless speed variation in both rotating directions.

**CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>External diameter</td>
<td>700 mm</td>
</tr>
<tr>
<td>Internal diameter</td>
<td>457 mm</td>
</tr>
<tr>
<td>Width</td>
<td>700 mm</td>
</tr>
<tr>
<td>Rope diameter</td>
<td>18 mm</td>
</tr>
<tr>
<td>Max capacity</td>
<td>400 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>1600 kg</td>
</tr>
</tbody>
</table>

**ENGINE**

- Diesel 34 kW (46 hp)
- Cooling system WATER
- Electrical system 12 V

**CONFIGURATION**

- Drum with automatic level wind.
- Negative self-acting hydraulic brake.
- Hydraulic dynamometer with set-point and automatic control of maximum pull.
- Rigid axle 30 km/h.
- Towing shaft with adjustable height.
- Mechanical front stabiliser.

**AVAILABLE DEVICES**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL102</td>
<td>Pulling rope locking device when capstan is used (compulsory for EC market).</td>
<td>Max pull 10 kN</td>
</tr>
<tr>
<td>ALL107</td>
<td>Capstan for lifting operations</td>
<td>Max speed 1.5 km/h</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Capstan diameter 220 mm</td>
</tr>
<tr>
<td>ALL112</td>
<td>Trailer 80 km/h. EC type-approved for road circulation with hook Ø 40 mm and lighting system.</td>
<td></td>
</tr>
</tbody>
</table>
ars515 / cpA204

Hydraulic Mini Winch

**Max Pull** 50 kN
**Max Speed** 1 km/h
**Conductor Diameter** 16.5 mm

**Performance**
- Max pull: 50 kN
- Speed at max pull: 0.5 km/h
- Max speed: 1 km/h
- Pull at max speed: 25 kN

**Configuration**
- Working Unit ARS515, Single power unit CPA204.
- Negative self-acting hydraulic brake.
- Overcenter valve to control load movement.
- Hydraulic dynamometer with graduated scale to check pulling load.

**Engine**
- Gasoline: 16.5 kW (22.1 hp)
- Cooling system: Air
- Electrical system: 12 V

**Characteristics**
- Bull-wheel diameter: 256 mm
- Bull-wheel material: Steel
- Max rope diameter: 16.5 mm
- Working unit weight: 300 kg
- Power unit weight (dry): 295 kg
- Layout: Single

**Available Devices**
- **ALL105**
  - Rigid axle and towing bar detachable, for manual towing available for ARS515, CPA204 and CPA205.
- **CPK206**
  - Power unit connection kit.
- **CPA205**
  - Double Power Unit Performance
    - Max pull: 50 kN
    - Speed at max pull: 1 km/h
    - Max speed: 2 km/h
    - Pull at max speed: 25 kN
- **ALL102**
  - Pulling rope locking device when capstan is used (compulsory for EC market).

**Technical Specifications**
- Engine: Gasoline 16.5 kW (22.1 hp)
- Cooling system: Air
- Electrical system: 12 V
- Bull-wheel diameter: 256 mm
- Bull-wheel material: Steel
- Max rope diameter: 16.5 mm
- Working unit weight: 300 kg
- Power unit weight (dry): 295 kg

**Performance**
- Max pull: 50 kN
- Speed at max pull: 0.5 km/h
- Max speed: 1 km/h
- Pull at max speed: 25 kN

**Configuration**
- Working Unit ARS515, Single power unit CPA204.
- Negative self-acting hydraulic brake.
- Overcenter valve to control load movement.
- Hydraulic dynamometer with graduated scale to check pulling load.

**Engine**
- Gasoline: 16.5 kW (22.1 hp)
- Cooling system: Air
- Electrical system: 12 V

**Characteristics**
- Bull-wheel diameter: 256 mm
- Bull-wheel material: Steel
- Max rope diameter: 16.5 mm
- Working unit weight: 300 kg
- Power unit weight (dry): 295 kg
- Layout: Single

**Available Devices**
- **ALL105**
  - Rigid axle and towing bar detachable, for manual towing available for ARS515, CPA204 and CPA205.
- **CPK206**
  - Power unit connection kit.
- **CPA205**
  - Double Power Unit Performance
    - Max pull: 50 kN
    - Speed at max pull: 1 km/h
    - Max speed: 2 km/h
    - Pull at max speed: 25 kN
- **ALL102**
  - Pulling rope locking device when capstan is used (compulsory for EC market).

Pictures & drawings can be different according to technical specifications - updating programme variations without notice are possible.
# ALG SHACKLES


**BOLT TYPE** according to Federal Specification RR-C-271D TYPE IVA, GRADE A, CLASS 3.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>AL AIB WORKING LOAD LIMIT</th>
<th>NOMINAL SHACKLE SIZE</th>
<th>Inside length H</th>
<th>Inside width A</th>
<th>Inside width B</th>
<th>Diameter Ø D</th>
<th>Ø E</th>
<th>Tolerance plus of minus</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALG050</td>
<td>5 kN</td>
<td>1/4 in</td>
<td>28,6 mm</td>
<td>12,7 mm</td>
<td>19,8 mm</td>
<td>7,94 mm</td>
<td>17,5 mm</td>
<td>1,59 mm</td>
<td>0,05 kg</td>
</tr>
<tr>
<td>ALG051</td>
<td>7,5 kN</td>
<td>5/16 in</td>
<td>31 mm</td>
<td>13,5 mm</td>
<td>21,4 mm</td>
<td>9,53 mm</td>
<td>20,6 mm</td>
<td>1,59 mm</td>
<td>0,08 kg</td>
</tr>
<tr>
<td>ALG052</td>
<td>10 kN</td>
<td>3/8 in</td>
<td>36,5 mm</td>
<td>16,7 mm</td>
<td>26,2 mm</td>
<td>11,1 mm</td>
<td>24,7 mm</td>
<td>3,18 mm</td>
<td>0,14 kg</td>
</tr>
<tr>
<td>ALG053</td>
<td>15 kN</td>
<td>7/16 in</td>
<td>42,8 mm</td>
<td>18,3 mm</td>
<td>29,4 mm</td>
<td>12,7 mm</td>
<td>27 mm</td>
<td>3,18 mm</td>
<td>0,20 kg</td>
</tr>
<tr>
<td>ALG054</td>
<td>20 kN</td>
<td>1/2 in</td>
<td>47,6 mm</td>
<td>20,6 mm</td>
<td>33,3 mm</td>
<td>15,9 mm</td>
<td>30,2 mm</td>
<td>3,18 mm</td>
<td>0,29 kg</td>
</tr>
<tr>
<td>ALG055</td>
<td>32,5 kN</td>
<td>5/8 in</td>
<td>60 mm</td>
<td>27 mm</td>
<td>42,9 mm</td>
<td>19,1 mm</td>
<td>39,7 mm</td>
<td>3,18 mm</td>
<td>0,60 kg</td>
</tr>
<tr>
<td>ALG056</td>
<td>47,5 kN</td>
<td>3/4 in</td>
<td>71 mm</td>
<td>31,8 mm</td>
<td>51 mm</td>
<td>22,2 mm</td>
<td>47,6 mm</td>
<td>6,35 mm</td>
<td>1,05 kg</td>
</tr>
<tr>
<td>ALG057</td>
<td>65 kN</td>
<td>7/8 in</td>
<td>84 mm</td>
<td>36,5 mm</td>
<td>58 mm</td>
<td>25,4 mm</td>
<td>54 mm</td>
<td>6,35 mm</td>
<td>1,54 kg</td>
</tr>
<tr>
<td>ALG058</td>
<td>85 kN</td>
<td>1 in</td>
<td>95 mm</td>
<td>42,9 mm</td>
<td>68 mm</td>
<td>28,6 mm</td>
<td>60 mm</td>
<td>6,35 mm</td>
<td>2,35 kg</td>
</tr>
<tr>
<td>ALG059</td>
<td>15 kN</td>
<td>7/16 in</td>
<td>42,8 mm</td>
<td>18,3 mm</td>
<td>29,4 mm</td>
<td>12,7 mm</td>
<td>27 mm</td>
<td>3,18 mm</td>
<td>0,36 kg</td>
</tr>
<tr>
<td>ALG060</td>
<td>32,5 kN</td>
<td>5/8 in</td>
<td>60 mm</td>
<td>27 mm</td>
<td>42,9 mm</td>
<td>19,1 mm</td>
<td>39,7 mm</td>
<td>3,18 mm</td>
<td>0,73 kg</td>
</tr>
<tr>
<td>ALG061</td>
<td>47,5 kN</td>
<td>3/4 in</td>
<td>71 mm</td>
<td>31,8 mm</td>
<td>51 mm</td>
<td>22,2 mm</td>
<td>47,6 mm</td>
<td>6,35 mm</td>
<td>1,23 kg</td>
</tr>
<tr>
<td>ALG062</td>
<td>65 kN</td>
<td>7/8 in</td>
<td>84 mm</td>
<td>36,5 mm</td>
<td>58 mm</td>
<td>25,4 mm</td>
<td>54 mm</td>
<td>6,35 mm</td>
<td>1,79 kg</td>
</tr>
<tr>
<td>ALG063</td>
<td>85 kN</td>
<td>1 in</td>
<td>95 mm</td>
<td>42,9 mm</td>
<td>68 mm</td>
<td>28,6 mm</td>
<td>60 mm</td>
<td>6,35 mm</td>
<td>3,75 kg</td>
</tr>
<tr>
<td>ALG064</td>
<td>120 kN</td>
<td>1 1/4 in</td>
<td>119 mm</td>
<td>52 mm</td>
<td>83 mm</td>
<td>34,9 mm</td>
<td>76 mm</td>
<td>6,35 mm</td>
<td>5,31 kg</td>
</tr>
<tr>
<td>ALG065</td>
<td>135 kN</td>
<td>1 3/8 in</td>
<td>132 mm</td>
<td>57 mm</td>
<td>89 mm</td>
<td>38,1 mm</td>
<td>84 mm</td>
<td>6,35 mm</td>
<td>7,18 kg</td>
</tr>
</tbody>
</table>

Pictures & drawings can be different according to technical specifications - updating programme variations without notice are possible.
CZA / CZL
SERVICE SNATCH BLOCKS

AVAILABLE OPEN OR CLOSED TYPES
WHEELS MOUNTED ON BALL BEARINGS
SPECIAL MODELS CAN BE DESIGNED ON DEMAND

STEEL SERVICE SNATCH BLOCKS Mod. CZA

<table>
<thead>
<tr>
<th>SWIVEL CONNECTION</th>
<th>DIMENSIONS</th>
<th>WORKING LOAD</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety hook connection (Open type)</td>
<td>Eye connection (Open type)</td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>Closed type</td>
<td>Open type</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CZA370</td>
<td>CZA010</td>
<td>CZA001</td>
<td>108 mm</td>
</tr>
<tr>
<td>CZA033</td>
<td>CZA030</td>
<td>CZA020</td>
<td>138 mm</td>
</tr>
<tr>
<td>CZA141</td>
<td>CZA140</td>
<td>CZA280</td>
<td>185 mm</td>
</tr>
</tbody>
</table>

ALUMINIUM ALLOY SERVICE SNATCH BLOCKS Mod. CZL

<table>
<thead>
<tr>
<th>SWIVEL CONNECTION</th>
<th>DIMENSIONS</th>
<th>WORKING LOAD</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety hook connection (Open type)</td>
<td>Eye connection (Open type)</td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>Closed type</td>
<td>Open type</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CZL050</td>
<td>CZL040</td>
<td>100 mm</td>
<td>30 mm</td>
</tr>
<tr>
<td>CZL080</td>
<td>CZL070</td>
<td>140 mm</td>
<td>40 mm</td>
</tr>
</tbody>
</table>

Pictures & drawings can be different according to technical specifications - updating programme variations without notice are possible.
FAL ALUMINIUM DERRICKS

LIGHT DESIGN
SWIVEL HEAD AND BASE
SPECIAL MODELS CAN BE DESIGNED ON DEMAND

Standard derricks with external rope passage, available on demand with internal rope passage.

### MODELS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>TOTAL LENGTH</th>
<th>SECTION LENGTHS</th>
<th>MAX LIFTING LOAD</th>
<th>WEIGHT</th>
<th>SNATCH BLOCKS (NOT INCLUDED)</th>
<th>ANCHORING ROPE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>POS. 1 0°</td>
<td>POS. 2 20°</td>
<td>POS. 3 20°</td>
<td>Upper service snatch blocks</td>
</tr>
<tr>
<td>FAL001</td>
<td>8 m</td>
<td>4+4 m</td>
<td>6,5 kN</td>
<td>5 kN</td>
<td>1,5 kN</td>
<td>40 kg</td>
</tr>
<tr>
<td>FAL010</td>
<td>12 m</td>
<td>4+4+4 m</td>
<td>6,5 kN</td>
<td>5 kN</td>
<td>1,5 kN</td>
<td>65 kg</td>
</tr>
<tr>
<td>FAL020</td>
<td>8 m</td>
<td>4+4 m</td>
<td>10 kN</td>
<td>8 kN</td>
<td>2 kN</td>
<td>45 kg</td>
</tr>
<tr>
<td>FAL030</td>
<td>10 m</td>
<td>4+2+4 m</td>
<td>10 kN</td>
<td>8 kN</td>
<td>2 kN</td>
<td>60 kg</td>
</tr>
<tr>
<td>FAL040</td>
<td>12 m</td>
<td>4+4+4 m</td>
<td>10 kN</td>
<td>8 kN</td>
<td>2 kN</td>
<td>70 kg</td>
</tr>
<tr>
<td>FAL050</td>
<td>8 m</td>
<td>3+2+3 m</td>
<td>12,5 kN</td>
<td>10 kN</td>
<td>2,5 kN</td>
<td>50 kg</td>
</tr>
<tr>
<td>FAL060</td>
<td>12 m</td>
<td>4+4+4 m</td>
<td>12,5 kN</td>
<td>10 kN</td>
<td>2,5 kN</td>
<td>80 kg</td>
</tr>
<tr>
<td>FAL070</td>
<td>16 m</td>
<td>5+6+5 m</td>
<td>12,5 kN</td>
<td>10 kN</td>
<td>2,5 kN</td>
<td>110 kg</td>
</tr>
<tr>
<td>FAL080</td>
<td>12 m</td>
<td>4+4+4 m</td>
<td>19 kN</td>
<td>15 kN</td>
<td>3,5 kN</td>
<td>100 kg</td>
</tr>
<tr>
<td>FAL090</td>
<td>16 m</td>
<td>5+6+5 m</td>
<td>19 kN</td>
<td>15 kN</td>
<td>3,5 kN</td>
<td>130 kg</td>
</tr>
<tr>
<td>FAL100</td>
<td>18 m</td>
<td>6+6+6 m</td>
<td>19 kN</td>
<td>15 kN</td>
<td>3,5 kN</td>
<td>180 kg</td>
</tr>
<tr>
<td>FAL110</td>
<td>20 m</td>
<td>5+5+5+5 m</td>
<td>19 kN</td>
<td>15 kN</td>
<td>3,5 kN</td>
<td>200 kg</td>
</tr>
<tr>
<td>FAL120</td>
<td>12 m</td>
<td>4+4+4 m</td>
<td>25 kN</td>
<td>20 kN</td>
<td>4 kN</td>
<td>120 kg</td>
</tr>
<tr>
<td>FAL130</td>
<td>16 m</td>
<td>4+4+4+4 m</td>
<td>25 kN</td>
<td>20 kN</td>
<td>4 kN</td>
<td>160 kg</td>
</tr>
<tr>
<td>FAL140</td>
<td>20 m</td>
<td>5+5+5+5 m</td>
<td>25 kN</td>
<td>20 kN</td>
<td>4 kN</td>
<td>220 kg</td>
</tr>
<tr>
<td>FAL150</td>
<td>12 m</td>
<td>6+6 m</td>
<td>31 kN</td>
<td>25 kN</td>
<td>5 kN</td>
<td>150 kg</td>
</tr>
<tr>
<td>FAL160</td>
<td>16 m</td>
<td>5+6+5 m</td>
<td>31 kN</td>
<td>25 kN</td>
<td>5 kN</td>
<td>200 kg</td>
</tr>
<tr>
<td>FAL170</td>
<td>18 m</td>
<td>6+6+6 m</td>
<td>31 kN</td>
<td>25 kN</td>
<td>5 kN</td>
<td>230 kg</td>
</tr>
<tr>
<td>FAL180</td>
<td>20 m</td>
<td>5+5+5+5 m</td>
<td>31 kN</td>
<td>25 kN</td>
<td>5 kN</td>
<td>250 kg</td>
</tr>
<tr>
<td>FAL190</td>
<td>16 m</td>
<td>5+6+5 m</td>
<td>50 kN</td>
<td>40 kN</td>
<td>8 kN</td>
<td>300 kg</td>
</tr>
<tr>
<td>FAL200</td>
<td>18 m</td>
<td>6+6+6 m</td>
<td>50 kN</td>
<td>40 kN</td>
<td>8 kN</td>
<td>330 kg</td>
</tr>
<tr>
<td>FAL210</td>
<td>22 m</td>
<td>5+6+6+5 m</td>
<td>50 kN</td>
<td>40 kN</td>
<td>8 kN</td>
<td>400 kg</td>
</tr>
</tbody>
</table>

Pictures & drawings can be different according to technical specifications - updating programme variations without notice are possible.
ALUMINIUM DERRICKS

ERP - EXTERNAL ROPE PASSAGE

The derricks with ERP have the lifting rope outside the body structure. This kind of derricks are suitable for every use, even if for center pole use it is suggested the IRP type. The base (Fig. 1) which is a structure manufactured in welded steel, allows the inclination of the derrick and the use on the ground. The hook allows the use of the derricks anchored on the support trestles of the towers. The head (Fig. 2), also made from a welded steel structure, has a swivel plate with 4 holes for the connection of the guy ropes to the ground. In case of ERP it is always required to have on top and on the base a suitable snatch block or hackle.

IRP - INTERNAL ROPE PASSAGE

In case of use inside the tower it is preferable to use a derrick with IRP. In this case the base (Fig. 3) and the head (Fig. 4) are different in order to guide the rope internally. Furthermore, the base has a basket to support the structure, with 4 holes for the connection of 4 guy ropes to the tower.