

USER MANUAL

# ARTICULATED PILLAR JIB CRANES



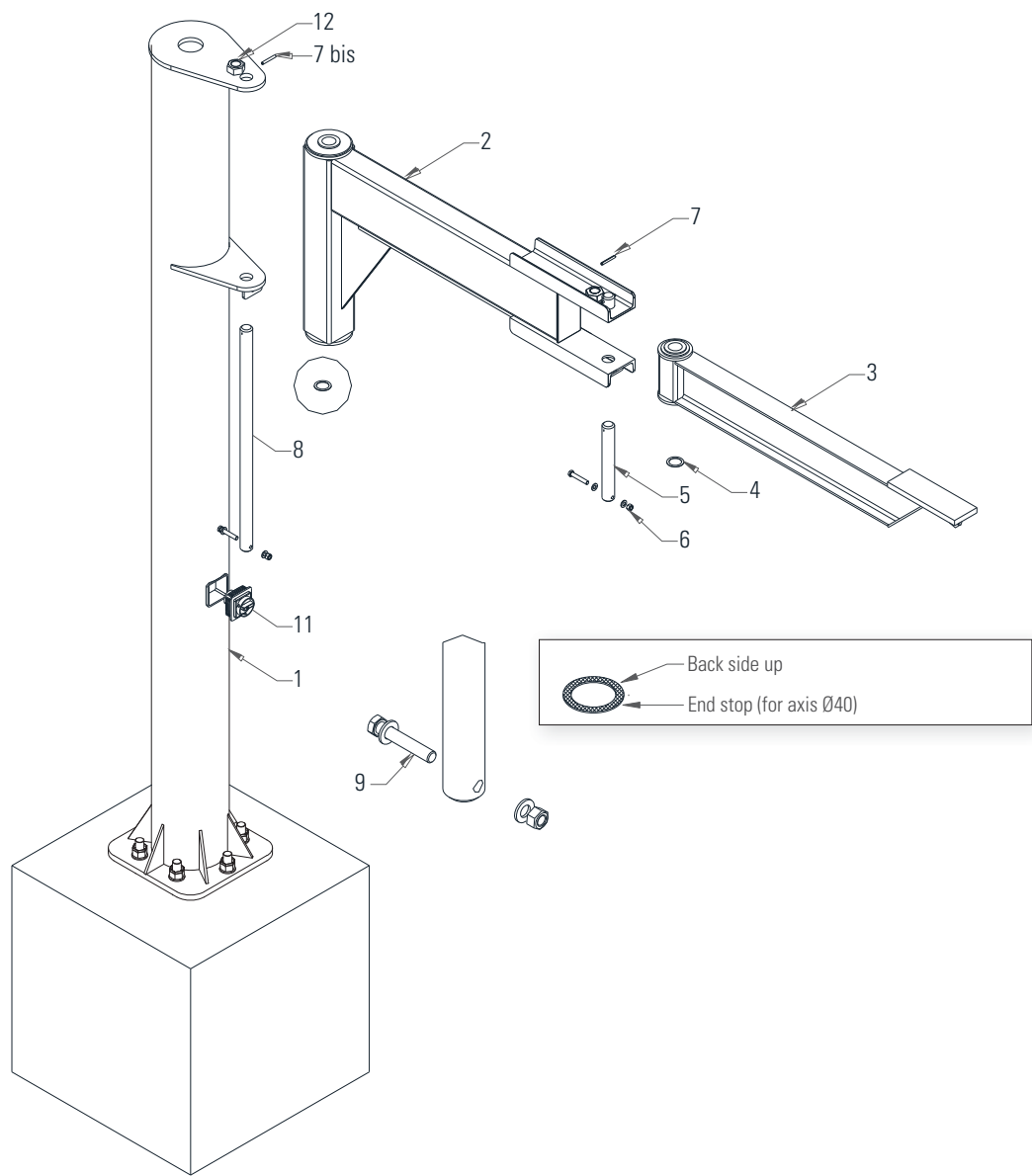


# SUMMARY

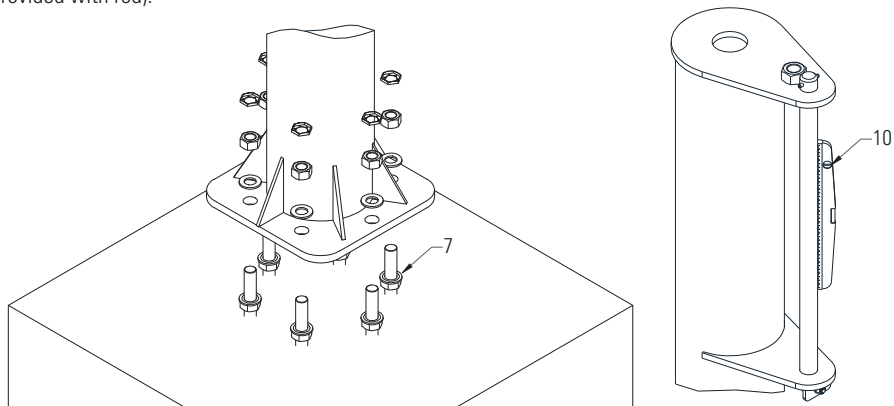
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# 1. ASSEMBLY INSTRUCTIONS

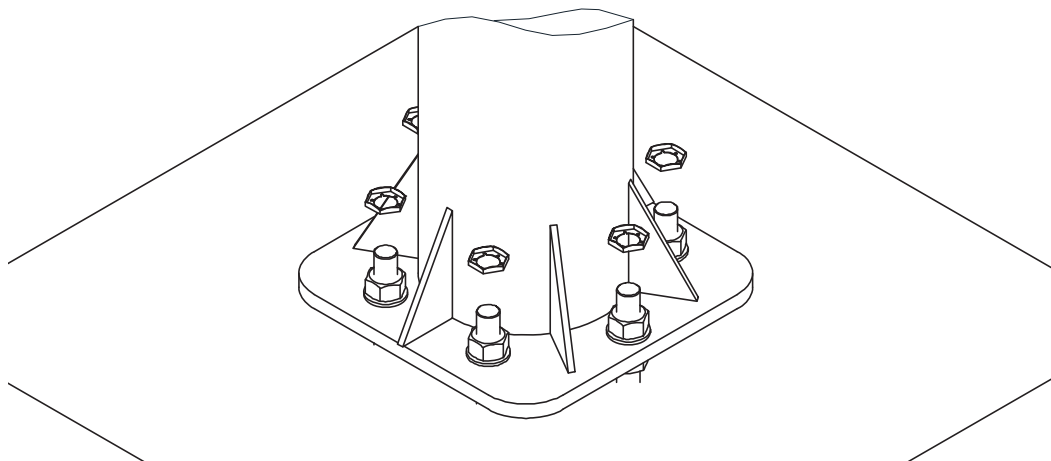


1. Erect the pillar ❶ of the jib crane on the anchor rods laying the bottom of the base plate on a row of nuts M27 ❷ (provided with rod).



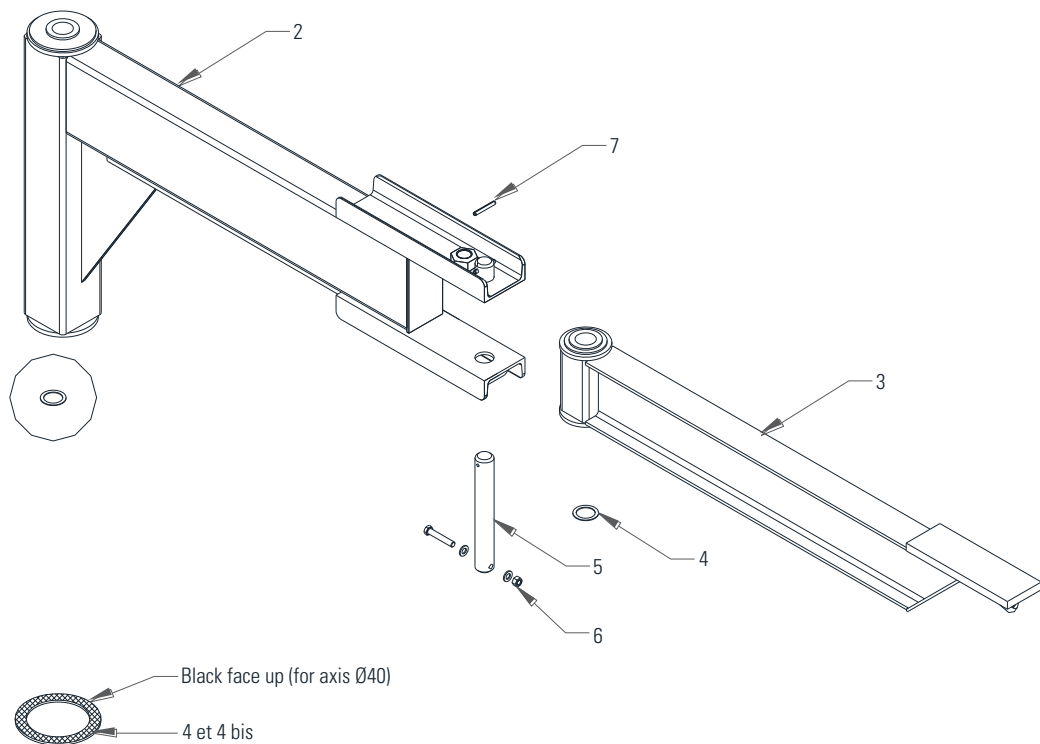
Insert washers and nuts M27 on the upper part of the base plate. With a level ❶, check plumb on different positions around the pillar, adjust the vertical with the lower nuts and lock nuts to a torque of 80 daN.m.

Screw the safety nuts provided.



Other fixation system does not engage our responsibility and is not subject to the recommendation of this manual.

2. Position the stop ④ on the lower support of the arm ② taking care to orient the black side of the stop in the correct direction. This black face serves as a support for the rotation of the arm. Oil or grease.



3. Engage the arm ③.

4. Oil the shaft ⑤ and insert it, install the screw ⑥. The safety pin ⑦ will be mounted last.

5. (See diagram on 4) Position the stop ④ on the lower support of the drum in the same way as previously. Oil or grease.

6. Engage the arm ② with a suitable lifting device.

7. Oil the shaft ⑧ and then insert it, fit the screw ⑨. The safety pin ⑦ bis will be mounted last.

8. Fit the retarder (option on page 8), the switch ⑪ (option 7).

## MAINTENANCE

No special maintenance is required however following operation has to be done:

- Lubricate regularly rotation end stop,
- Check once a year the correct tightening of fi xing screws and generally the tightening of all mounting screws.

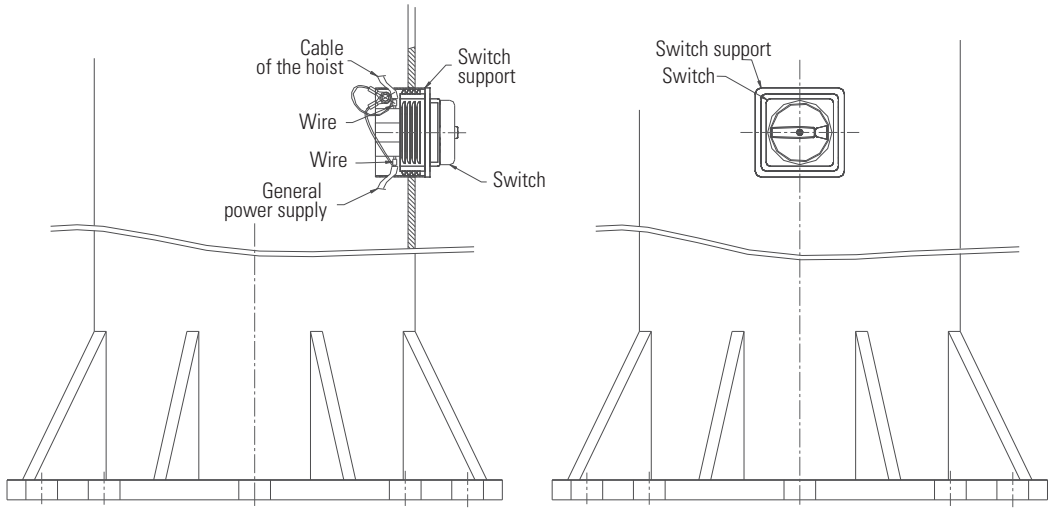
## REMINDER

All lifting equipment devices must be validated by an offi cial certifi cated organism before use.  
It is strictly forbidden to use such installation for people transportation usage.

## USE

Use accordingly to the safe working load (swf) define by the technical sheet.

## 1.1. Switch (option)

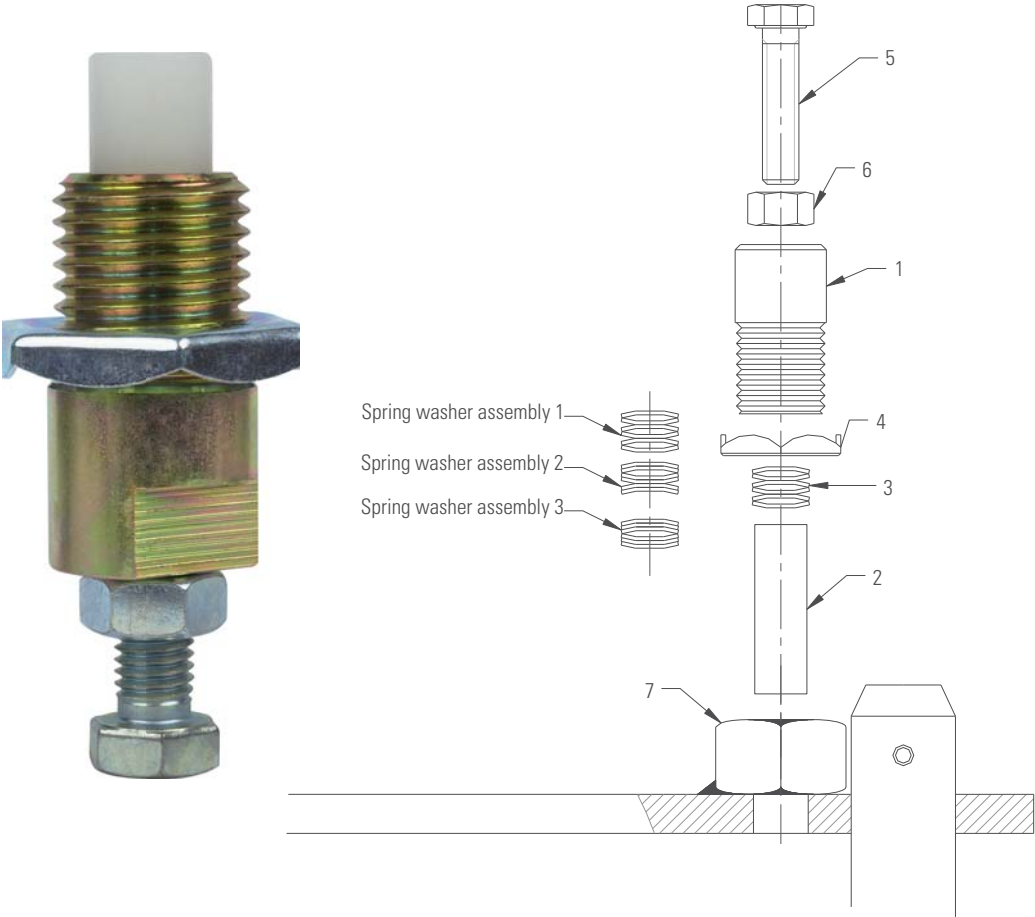


**Assembly drawing of the lockable switch**

### Order of installation of the switch

1. Pull the main power cable.
2. Put the main power cable through the hole of the switch support, then crimp the ends of the wire provided.
3. Connect the 3 phases of the main power on terminals 1, 3 and 5.
4. Crimp the ground on one of the round lugs provided.
5. Pull the cable of the power supply of the hoist.
6. Put the feeding line of the hoist through the hole of the switch support, then crimp the ends of the wire provided.
7. Connect the 3 phases of the main power on terminals 2, 4 and 6.
8. Crimp the ground on the 2<sup>nd</sup> round lugs provided.
9. Insert the slotted screw in the hole of the switch support, set up the two terminals and the ground together and block with the nut.
10. Place the switch and attach it to its support using the two hex screws and star washers provided.

## 1.2. Slowing device (option)



### Installation

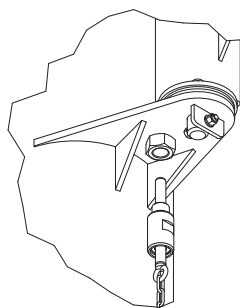
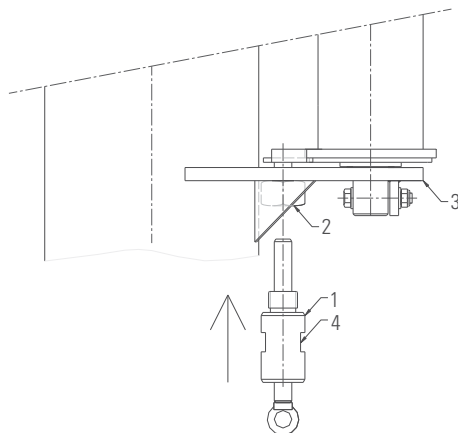
The slowing device can only be mounted once the arm is set.

1. Place the rubbing finger in nylon ❷ and the spring washers ❸ according to the needed break in the body of the slower ❶ :
  - Assembly 1 : smooth breaking.
  - Assembly 2 : Normal breaking
  - Assembly 3 : hard breaking
2. Screw the body of the slower and his counter nut ❹ on the existing nut M33 ❺ and lock it.
3. Adjust the pressure thanks to the screw ❽ provided to this purpose before locking it with the counter nut ❾.

## 1.3. Locking device (option)

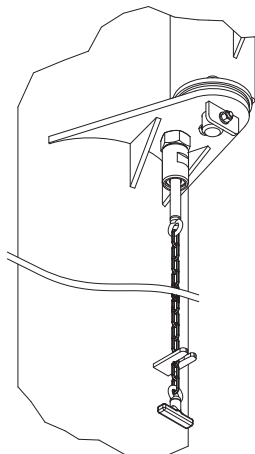
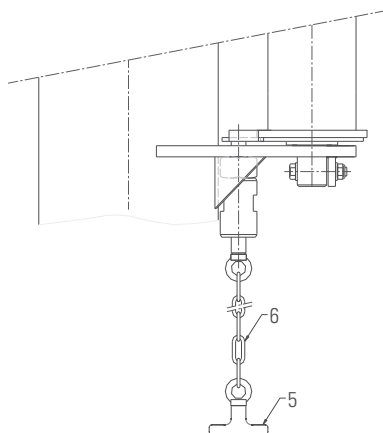
### Installation

- Screw the lock body **1** in the nut **2** welded on the bracket (**3**).
- Block there squeezing using an appropriate key on the flats **4**.
- The hand chain and the handle are already mounted on the locking pin.



### Utilisation

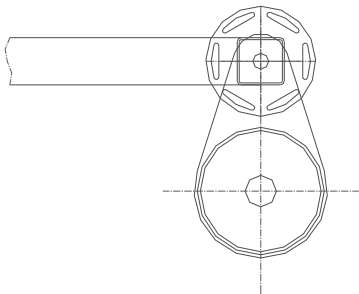
- Pull the handle **5** located at the end of the chain **6** to unlock.
- The locking position device finger is assembled on an internal spring. When the chain is released, the finger automatically comes up. During rotation, the locking will automatically matches in the indexing hole (if needed, adjust by cutting the locking finger extra length).
- If you want the lock does not come automatically, hanging chain in a stretched position on the flat welded at human height on the pillar of the jib crane.



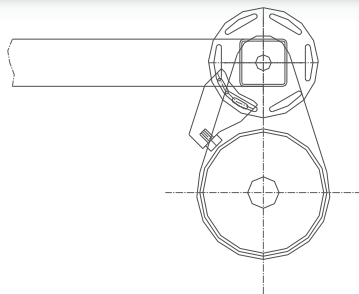
***For the wall jib cranes, chain stop to be provided by the customer.***

# 1.4. Adjustable rotation stops (option)

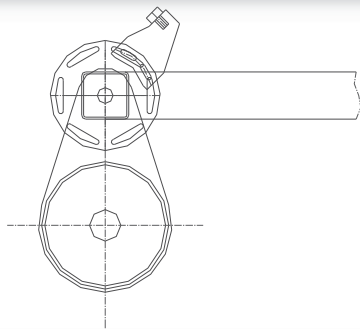
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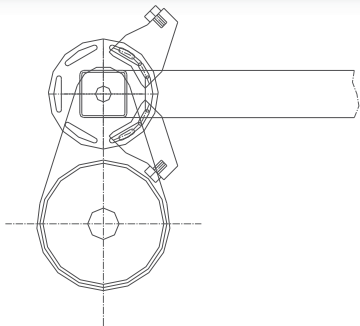
1. Put the arm in the first extrem needed position



2. Assemble the first end stop on the disc with the screw provided.



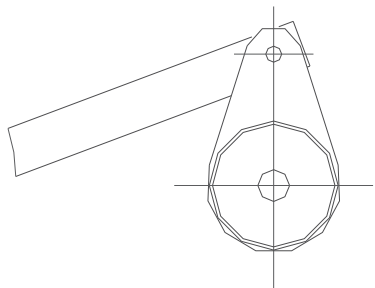
3. Place the arm in the second extrem position.



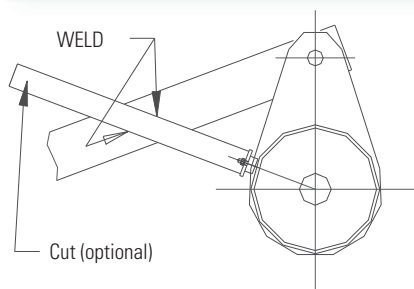
4. Assemble the second end stop on the disc in the step 2.

## 1.5. End stop to weld (option)

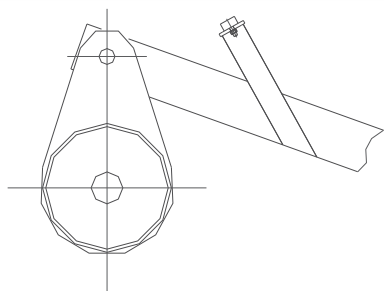
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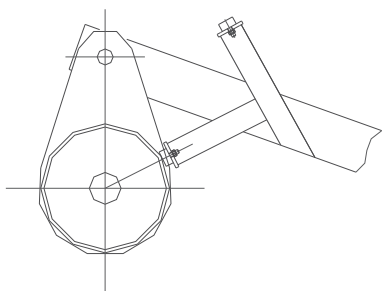
1. Put the arm in the first extrem needed position



2. Weld the first end stop on the upper part of the arm then cut the end of the U.  
**Important : Align the axis of the end stop and the diametral axis of the pillar.**

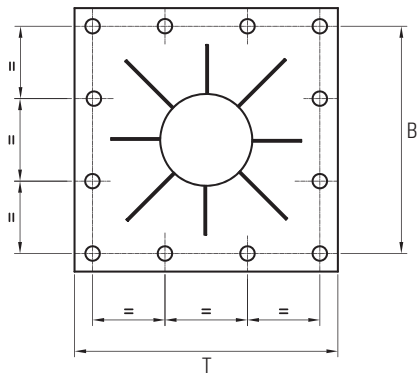
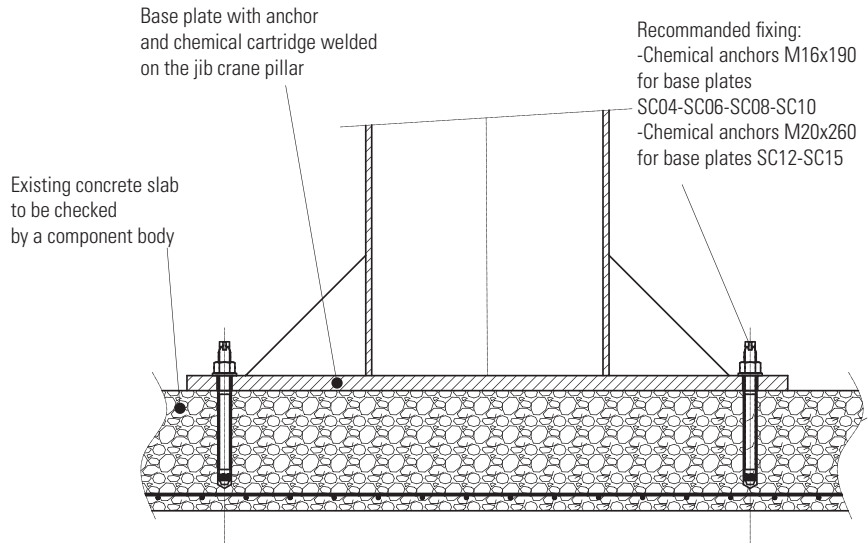


3. Place the arm in the second extrem position.



4. Cut the second end stop according to your need the weld it on the upper part of the arm like on step 2.

# 1.6. Specific procedure for base plate with anchors & chemical cartridges (option)



Ø20 for anchors Ø16, base plates SC03 - SC04 - SC06 - SC08 - SC10  
Ø25 for anchors Ø20, base plates SC12 - SC15

| N°   | TxT           | Number of holes | Ø  | BxB           | Thick | CR           |
|------|---------------|-----------------|----|---------------|-------|--------------|
| SC03 | 300 x 300     | 4               | 20 | 250 x 250     | 12    | 250 DaN.m    |
| SC04 | 400 x 400     | 8               | 20 | 350 x 350     | 15    | 1 000 DaN.m  |
| SC06 | 600 x 600     | 8               | 20 | 500 x 500     | 15    | 1 500 DaN.m  |
| SC08 | 800 x 800     | 12              | 20 | 700 x 700     | 20    | 3 800 DaN.m  |
| SC10 | 1 000 x 1 000 | 16              | 20 | 900 x 900     | 20    | 6 000 DaN.m  |
| SC12 | 1 200 x 1 200 | 16              | 25 | 1 100 x 1 100 | 20    | 8 000 DaN.m  |
| SC15 | 1 500 x 1 500 | 16              | 25 | 1 400 x 1 400 | 20    | 12 000 DaN.m |

This type of fixation is to be used with the biggest caution, and while the use of a concrete foundation mass is impossible. This solution imposes a concrete slab of sufficient thickness and quality, to be verified in accordance with the bending moments recommended in the general documentation.

**In any case, WE RELEASED OUR RESPONSABILITY as to the keeping of this type of fastening.**

These base plates are not dismountable from the jib crane table.

CR = Bending moment mentioned in the pillar jib crane table.

We join for information and as example the technical characteristics of HILTI anchors.

This mark/model is neither imposed nor contractual.



# ADHESIVE CAPSULE



ADHESIVE CAPSULE HVU2 WITH HAS (-E) OD FOR ANCHORING IN UNCRACKED AND CRACKED CONCRETE

Versions HAS-(E) 5.8 carbon steel version 5.8

## INSTALLATION DATA

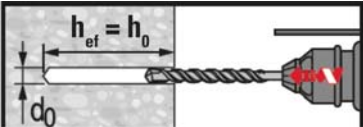
| Threaded bar diameter | Diameter hole diameter | Anchoring depth     | Thickness of the substrate | Tightening torque max.* | Centre distance mini | Distance to edge mini | Threaded bar length |
|-----------------------|------------------------|---------------------|----------------------------|-------------------------|----------------------|-----------------------|---------------------|
| $d_{nom} = d_f$ (mm)  | $d_0$ (mm)             | $h_{ef} = h_g$ (mm) | $h_{min}$ (mm)             | $T_{max}$ (N.m)         | $s_{min}$ (mm)       | $c_{min}$ (mm)        | mm                  |
| <b>M16</b>            | 16                     | 18                  | 125                        | 80                      | 75                   | 50                    | 190                 |
| <b>M20</b>            | 20                     | 22                  | 170                        | 150                     | 90                   | 55                    | 260                 |

\* : maximum tightening torque to avoid splitting during installation with  $s_{min}$  et  $c_{min}$

## OPERATING TEMPERATURE RANGE

| Temperature range            | Temperature of the material support | Max. temperature temperature in the the carrier material | Max. temperature temperature in the the carrier material | Material temperature substrate | Minimum setting time $t_{cure}$ |
|------------------------------|-------------------------------------|----------------------------------------------------------|----------------------------------------------------------|--------------------------------|---------------------------------|
| <b>Temperature range I</b>   | -40 °C à +40 °C                     | +24 °C                                                   | +40 °C                                                   | -10 °C à -6 °C                 | 5 hours                         |
|                              |                                     |                                                          |                                                          | -5 °C à -1 °C                  | 3 hours                         |
| <b>Temperature range II</b>  | -40 °C à +80 °C                     | +50 °C                                                   | +80 °C                                                   | 0 °C à 4 °C                    | 40 minutes                      |
|                              |                                     |                                                          |                                                          | 5 °C à 9 °C                    | 20 minutes                      |
| <b>Temperature range III</b> | -40 °C à +120 °C                    | +72 °C                                                   | +120 °C                                                  | 10 °C à 19 °C                  | 10 minutes                      |
|                              |                                     |                                                          |                                                          | 20 °C à 40 °C                  | 5 minutes                       |

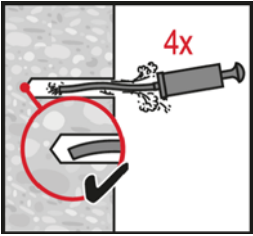
Hammer drilled hole



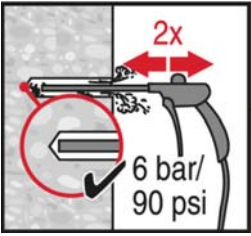
flooded holes (no sea water).

|     | Diameter<br>hole diameter | Anchoring<br>depth  |
|-----|---------------------------|---------------------|
|     | $d_0$ (mm)                | $h_{ef} = h_0$ (mm) |
| M16 | 18                        | 125                 |
| M20 | 22                        | 170                 |

Manual cleaning for hammer drilled hole

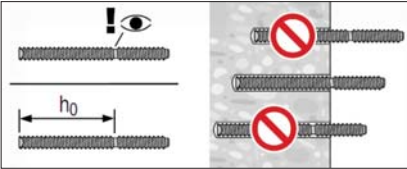


for drill hole diameters  $d_0 \leq 18$  mm  
and drill hole depths  $h_0 \leq 10$  d

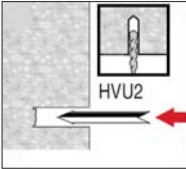


for all drill hole diameters  $d_0$   
and all drill hole depths  $h_0$

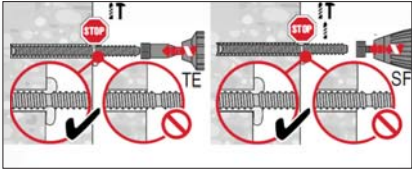
Setting the element



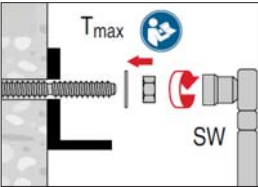
Check setting depth



Insert the foil capsule  
with the peak ahead to  
the back of the hole



Drive the anchor rod with the plugged tool into the hole



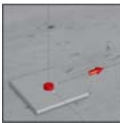
Loading the anchor after required  
curing time  $t_{cure}$

|     | Tightening<br>torque<br>max.* |
|-----|-------------------------------|
|     | $T_{max}$ (N.m)               |
| M16 | 80                            |
| M20 | 150                           |

PRE-CALCULATED VALUES I STATIC LOADS \*

|     | $h_{ef}$ (mm) | $h_{min}$ (mm) | Traction (kN)                |              |       | Shear (kN)                   |              |       |
|-----|---------------|----------------|------------------------------|--------------|-------|------------------------------|--------------|-------|
|     |               |                | Ultimate design strength NRd |              |       | Ultimate design strength VRd |              |       |
|     |               |                | HAS 5.8 (-F)                 | HAS 8.8 (-F) | HAS-R | HAS 5.8 (-F)                 | HAS 8.8 (-F) | HAS-R |
| M16 | 125           | 160            | 45,83                        | 45,83        | 45,83 | 32,88                        | 32,88        | 36,07 |
| M20 | 170           | 220            | 72,69                        | 72,69        | 72,69 | 44,88                        | 71,76        | 50,32 |

\* Full mass insulated anchor, non-reinforced, non-cracked  
C20/25 concrete (without influence of edge and centre  
distance).



## 2. WHAT DO AND WHAT NOT TO DO

***It is very important to read these instructions carefully to enable you to install, use and maintain your equipment and reduce any risks caused by its incorrect use.***

***Any use that is not compliant with the following is dangerous and the manufacturer refuses to accept any liability in such cases.***

***Please comply with the instructions given below.***

### WHAT TO DO

#### GENERALLY

- Read and follow the instructions given in the introduction manual carefully, starting from initial commissioning. During repair or maintenance, use only «standard parts».
- Always keep the instructions manual and the user instructions near the equipment, available to the operator and the person in charge of maintenance.

#### TRANSPORT / STORAGE

- Handle the equipment and its structure either using the devices provided for the purpose or in the original package.
- Store the equipment away from any harsh environmental conditions (dust, damp...). It must be cleaned and protected from corrosion (lubrication...)

#### INSTALLATION / MAINTENANCE / INTERVENTIONS

- Have trained people who are electrically and mechanically competent deal with installation.
- Require absolute compliance with the safety rules (harnesses, clearance around working areas, cordoning off the area...)
- Ensure that the equipment attaching structure is rigid.
- Neutralize any sources of electric power.
- Keep strictly to the installation instructions mentioned in the equipment instructions manual.
- Connect directly the power supply cable to the power supply terminal of the electrical unit :
  - the cable must be assembled in accordance with the manual, greased and run in by several maneuvers without a load,
  - the line must be assembled in accordance with the manual, oiled and run in by several maneuvers without a load.
- Set out an inspection program and record all the maintenance work carried out on the equipment, and more particularly: hooks, sheave assemblies, chains or cables, brakes and travel end switches.
- Replace any suspicious or worn parts.

#### AFTER EXTENDED STOPPAGE OR DURING A CHECK :

- Check the operation and adjustment of the safety devices (brake, travel ends, limiters...) in accordance with the instruction manual.
- Regularly check the condition of the chain or cable and of the hooks.
- If a deformation or any wear is observed, replace the parts.
- Keep the cable clean and greased at all times.
- Check that all of the assembly components are tight.
- Check the condition of the lifting cable component wires.
- Check that the chains are not twisted and are free of any damage.
- Check that the steel cables strands supporting the pushbutton box fulfil their functions. The pushbutton box conductor cable is not a handling cable.

***It is very important to read these instructions carefully to enable you to install, use and maintain your equipment and reduce any risks caused by its incorrect use.***  
***Any use that is not compliant with the following is dangerous and the manufacturer refuses to accept any liability in such cases.***  
***Please comply with the instructions given below.***

## WHAT NOT TO DO

### TRANSPORT / STORAGE

- Never move or lift the equipment of using the electrical cables.
- Never put the hoist down without using a suitable support to avoid damage to the components on the underside.

### INSTALLATION / MAINTENANCE / INTERVENTIONS

- Never modify the equipment without suitable study and the authorization of the manufacturer.
- Never change the values and settings of the safety devices outside the limits provided for in the manual or without the agreement of the manufacturer.
- Never bypass isolating switches, electrical switches, prevention or limiting equipment.

### IN USE

- Never transport a load without keeping the personnel at a distance. Never have the book, loaded or empty, move above the personnel.
- Never let anybody unqualified use the equipment.
- Never lift a load exceeding the maximum operating load indicated on the equipment. Shock or accidental catching of the load being handled with the environment can generate overloads.
- Never remove the tab from the hook.
- Never block, adjust or remove switches or end of travel devices to go higher or lower than permitted by them.
- Never use the equipment to pull away, un-jam or pull sideways.
- Never use the equipment to transport people.
- Never touch any moving parts.
- Never use equipment that is in poor condition (wear, deformation...)
- Never use defective spare parts or whose origin is not fully known.
- Never swing the load intentionally.
- Do not cause abrupt movement on the equipment.
- Never use the mechanical stops as a means of repetitive stoppage.
- Never use the lifting chain or cable as a sling.
- Never sling anything from the nose of the hook (risk of damage to hook and falling of load)
- Never use the hook when cantilevered.
- Never twist the loading chains. (turn-around of the sheave...).
- Never use the electric cables to move the equipment around.
- Never leave a load hanging.
- Never use the equipment as a ground reference for welding.
- Never use the equipment for any purpose or in any place for which it was designed.
- Never use the safety devices as a means of measuring the carried weight.
- Never use the controls pointlessly (avoid keying on them). This can cause overheating or even the deterioration of the equipment.
- Never pull a load cross-wise or bring the equipment vertically above the load before lifting it.
- Never use the equipment with an electric power supply that is different from the one recommended (under or over voltage, absence of a phase...)

### 3. TEST UNDER LOAD OF THE JIB CRANES AND OF THE GANTRY CRANES

*To ensure the good performance of the equipment, and in the absence of specific legislation, the following is recommended by the manufacturer in terms of dynamic and static load tests on standard devices.*

*Any other regulation, whether related to specific conditions of a country or a particular use should be specifications duly approved by the manufacturer.*

#### DYNAMIC TESTS

For the dynamic tests will be added an overload of 10% at rated load, whether electric or manual lifting.

The tests are therefore performed on all movements (lifting, travelling, translation, rotation etc ...) It will not be necessary to lift the load to its maximum height but it is possible to do it and no time is imposed.

One move of each movement is necessary and sufficient.

#### Interpretation of dynamic tests :

During these tests the hoist + trolley must remain stable. Ensure no visible distortion too important.

Measure the height under beam or over beam empty before applying the load ( Load at the end of the arm if it is a jib crane or at the center if it is a gantry crane ) and remeasure under dynamic load.

Do the ratio to recalculate the measured deflection under dynamic load by dividing by 1.1 in order to interpret **Deflection under nominal load**, this deflection is directly proportional to the load.

#### **Only the deflection under nominal load is interpretable to the exclusion of any other!**

For pillar jib cranes, deflection observed (**interpreted under nominal load**) must not exceed  $1/100^{\text{th}}$  of the span and  $1/200^{\text{th}}$  of the sum Height + Span.

For wall jib cranes, deflection should not exceed  $1/200^{\text{th}}$  of the span (it will not take into account the possible deformation of the post which is supposedly of sufficient size and have been calculated by the user).

For gantry cranes, deflection should not exceed  $1/500^{\text{th}}$  of the span.

If the dynamic tests give satisfaction, there will be static tests.

*To ensure the good performance of the equipment, and in the absence of specific legislation, the following is recommended by the manufacturer in terms of dynamic and static load tests on standard devices.*

*Any other regulation, whether related to specific conditions of a country or a particular use should be specifications duly approved by the manufacturer.*

## STATIC TESTS

Static testing has for single purpose to ensure the strength of the assembly and verify the absence of permanent deformation or residual.

**No deflection measurement shall be interpreted during these tests if it is only to verify the absence of permanent deformation**

### **Requirements during the static tests :**

For static tests, it will be an overload applied **in more than 25% of the rated load**, whether it be a manual or electric lifting.

These tests will be performed only on the lifting arms of the bracket in the center position (end of the load arm in the case of jib crane and to the center of a gantry).

**It is forbidden to lift the load increased by 25% with the device** but additional weights are added to the dynamic load. In the case of a wall jib, the static test will be done in the sense that less strains the the building structure.

The duration of this test shall not exceed 30 min.

### **Interpretation of static tests:**

If after static tests, no permanent or residual deformation is found, the device can be operated.

As defined in the European Machinery Directive, any calculation notes will not be issued unless requested to ordering and duly accepted by manufacturer, as well as the detailed plans, schedules etc. .... which are the subject of the information folder and as such are confidential documents.

### **Concerning electric chain hoists:**

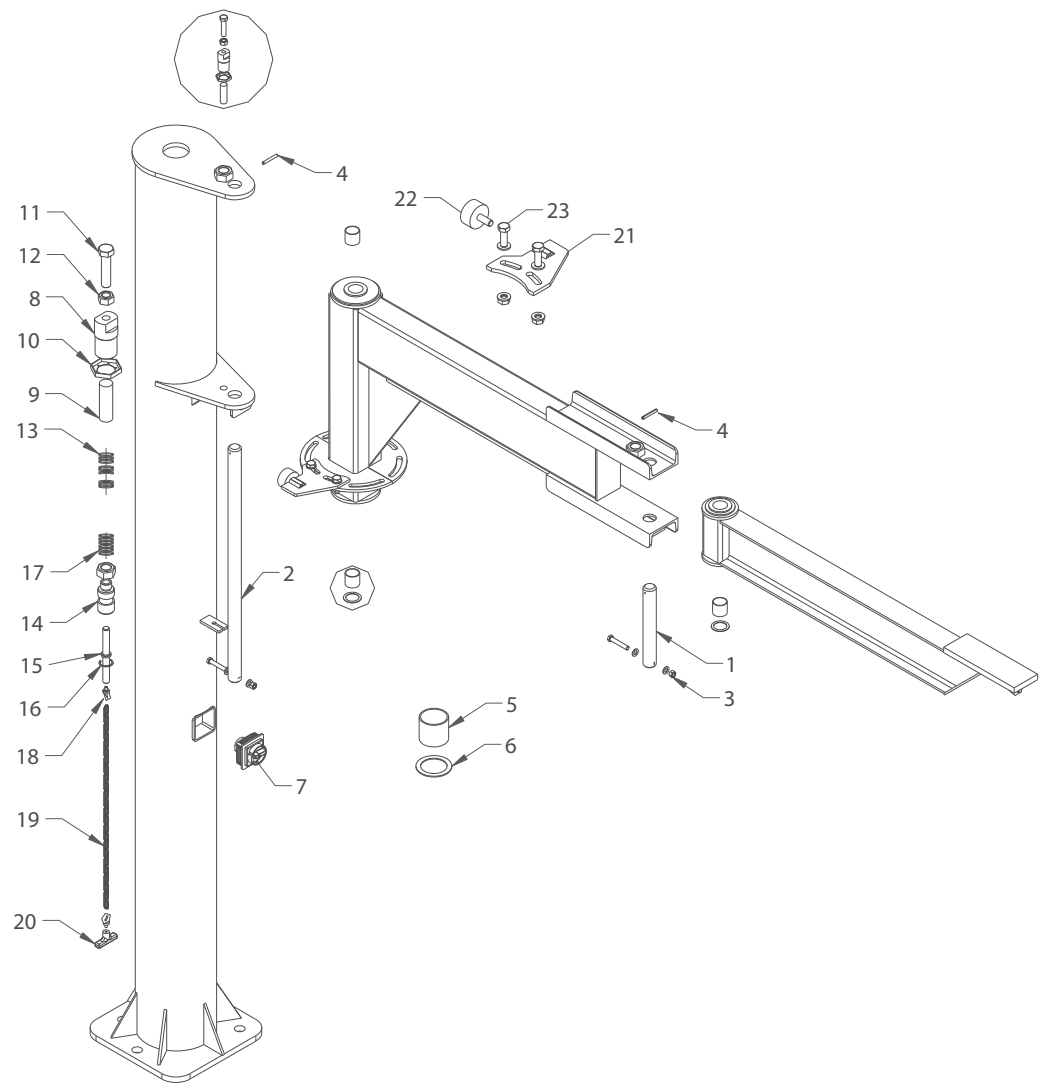
It is reminded that these devices are equipped with **torque limiters** and not **load limiters**.

Also for security reasons, their setting far exceeds the trigger threshold 110% of the rated load.

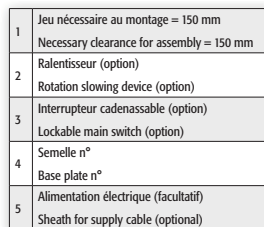
It is quite acceptable that the torque limiters can be «*calibrated*» to 125 or even 130% of rated load.

This measure aimed to anticipate wear slip friction system providing torque limit and prevent and to the risk of «*slippage*» of the load.

# 4. SPARE PARTS



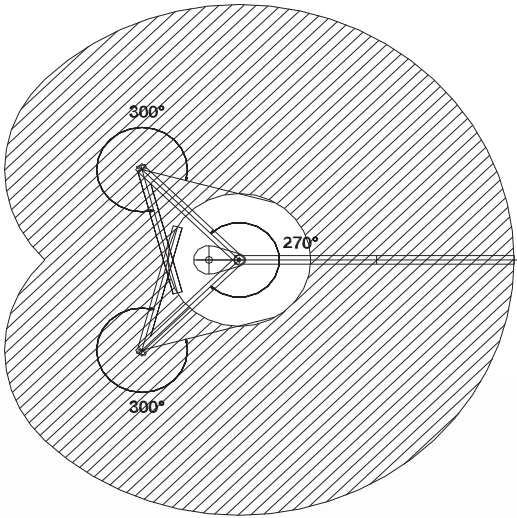
|                                   | N° | Désignation                 | Standard | Option |
|-----------------------------------|----|-----------------------------|----------|--------|
| <b>Jib crane</b>                  | 1  | Slewing axis                | X        |        |
|                                   | 2  | Slewing axis                | X        |        |
|                                   | 3  | Bolt stop for the axis      | X        |        |
|                                   | 4  | Cotter                      | X        |        |
|                                   | 5  | Ring                        | X        |        |
|                                   | 6  | End stop                    | X        |        |
|                                   | 7  | Lockable switch             |          | X      |
| <b>Slowing Device (option)</b>    | 8  | Body of the break           |          | X      |
|                                   | 9  | Rubbing finger              |          | X      |
|                                   | 10 | Bolt                        |          | X      |
|                                   | 11 | Adjustment screw            |          | X      |
|                                   | 12 | Counter bolt                |          | X      |
|                                   | 13 | Spring washer               |          | X      |
| <b>Locking Device (option)</b>    | 14 | Hub                         |          | X      |
|                                   | 15 | Shaft                       |          | X      |
|                                   | 16 | Elastic ring                |          | X      |
|                                   | 17 | Spring                      |          | X      |
|                                   | 18 | Ring screw                  |          | X      |
|                                   | 19 | Chain                       |          | X      |
|                                   | 20 | Handle                      |          | X      |
| <b>Adjustable unstop (option)</b> | 21 | Adjustable unstop bracket   |          | X      |
|                                   | 22 | Rubber bump                 |          | X      |
|                                   | 23 | Screw for adjustable unstop |          | X      |



| CMU             | Portée | HSO hauteur sous œil (1)            | Hauteur Totale (HT) | a   | b    | c    | d   | Semelle standard    | Massif     | Semelle à cheville (2)   | Axe inox             | Poids  | Poids pour 10 cm de HSF supp      | Couple de Renversement |
|-----------------|--------|-------------------------------------|---------------------|-----|------|------|-----|---------------------|------------|--------------------------|----------------------|--------|-----------------------------------|------------------------|
| Max capacity    | Span   | Height under upper lifting hook (1) | Overall Height (HT) |     |      |      |     | Standard Base plate | Foundation | Splitable base plate (2) | Stainless steel axis | Weight | Additional weight for HSF + 10 cm | Maximum moment         |
| kg              | m      | m                                   | m                   | mm  | m    | m    | mm  | N°                  | m          | N°                       | N°                   | Kg     | Kg                                | DaNm                   |
| <b>125 (50)</b> | 2      | 3                                   | 3,161               | 210 | 1000 | 1000 | 161 | 4                   | 0,95       | SC04                     | 1                    | 200    | 3                                 | 459                    |
|                 | 2,5    | 3                                   | 3,161               | 210 | 1250 | 1250 | 161 | 4                   | 1          | SC04                     | 1                    | 210    | 3                                 | 576                    |
|                 | 3      | 3                                   | 3,161               | 210 | 1500 | 1500 | 161 | 4                   | 1,05       | SC04                     | 1                    | 220    | 3                                 | 698                    |
|                 | 3,5    | 3                                   | 3,173               | 210 | 1750 | 1750 | 173 | 4                   | 1,1        | SC04                     | 1                    | 230    | 3                                 | 877                    |
|                 | 4      | 3                                   | 3,173               | 250 | 2000 | 2000 | 173 | 4                   | 1,2        | SC06                     | 1                    | 290    | 4                                 | 1035                   |
|                 | 4,5    | 3                                   | 3,173               | 250 | 2250 | 2250 | 173 | 4                   | 1,3        | SC06                     | 1                    | 320    | 4                                 | 1190                   |
| <b>250 (50)</b> | 5      | 3                                   | 3,173               | 250 | 2500 | 2500 | 173 | 4                   | 1,35       | SC06                     | 1                    | 335    | 4                                 | 1352                   |
|                 | 2      | 3                                   | 3,161               | 210 | 1000 | 1000 | 161 | 4                   | 1          | SC04                     | 1                    | 200    | 3                                 | 762                    |
|                 | 2,5    | 3                                   | 3,161               | 210 | 1250 | 1250 | 161 | 4                   | 1,1        | SC04                     | 1                    | 210    | 3                                 | 949                    |
|                 | 3      | 3                                   | 3,173               | 250 | 1500 | 1500 | 173 | 4                   | 1,2        | SC06                     | 1                    | 270    | 4                                 | 1193                   |
|                 | 3,5    | 3                                   | 3,162               | 250 | 1750 | 1750 | 173 | 4                   | 1,3        | SC06                     | 1                    | 280    | 4                                 | 1403                   |
|                 | 4      | 3                                   | 3,162               | 250 | 2000 | 2000 | 173 | 4                   | 1,35       | SC08                     | 1                    | 290    | 4                                 | 1619                   |
| <b>500 (50)</b> | 4,5    | 3                                   | 3,344               | 330 | 2250 | 2250 | 344 | 5                   | 1,4        | SC08                     | 1                    | 475    | 6                                 | 1928                   |
|                 | 5      | 3                                   | 3,344               | 330 | 2500 | 2500 | 344 | 5                   | 1,45       | SC08                     | 1                    | 495    | 6                                 | 2172                   |
|                 | 2      | 3                                   | 3,173               | 250 | 1000 | 1000 | 173 | 4                   | 1,2        | SC06                     | 1                    | 250    | 4                                 | 1420                   |
|                 | 2,5    | 3                                   | 3,342               | 330 | 1250 | 1250 | 342 | 5                   | 1,3        | SC08                     | 1                    | 395    | 6                                 | 1750                   |
|                 | 3      | 3                                   | 3,342               | 330 | 1500 | 1500 | 342 | 5                   | 1,4        | SC08                     | 1                    | 415    | 6                                 | 2170                   |

- (...) Poids estimé du palan.
- (1) Pour HSO supérieure à 4 m, nous consulter.
- (2) Voir tableau pour limite d'utilisation page 76.

- (...) Estimated weight of the hoist.
- (1) For HSO higher than 4 m, please consult us.
- (2) See table to determine dimensions page 76.



Zone desservie / Lifting coverage area

