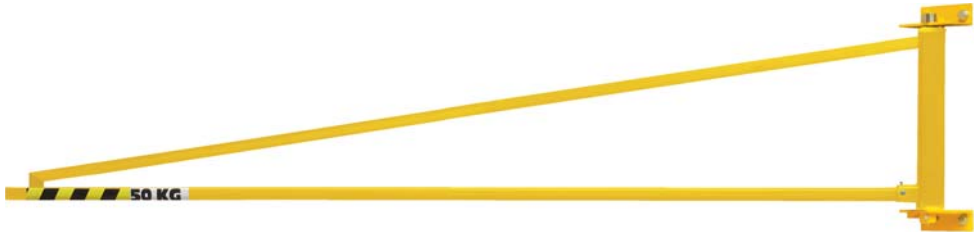


USER MANUAL

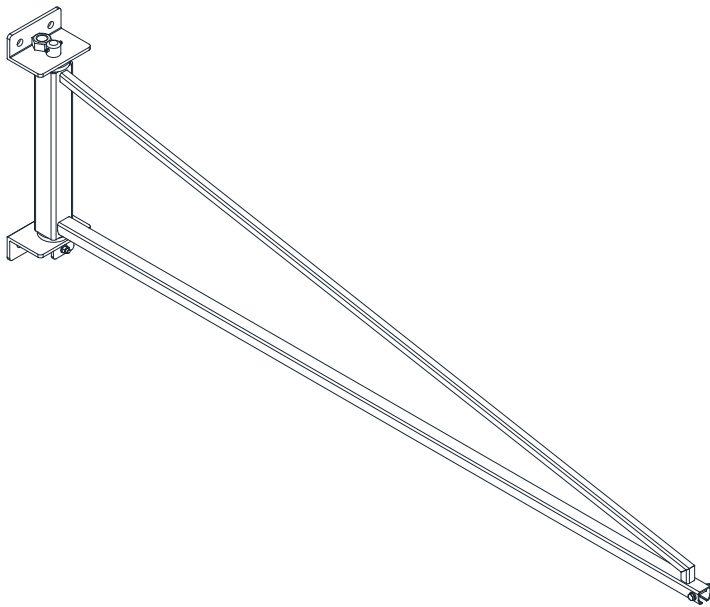
TOOLHOLDER, LIGHT OVERBRACED WALL JIB CRANES



SUMMARY

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ASSEMBLY INSTRUCTIONS, TOOLHOLDER, LIGHT OVERBRACED WALL JIB CRANES



1. Fixing support has to be previously calculated and prepared following instructions from our technical data-sheet.
2. Lift the jib crane by means of appropriate lifting equipment and put it in front of its supporting structure. Insert fixing bolts (class 10.9 as mentioned in our catalog) and moderately screw up the nuts.
3. Check the horizontal positioning of the jib crane arm and the vertical positioning of the bracket. A slight camber of the arm is essential for the good performance of the equipment. Check the good functioning of the arm rotation and verify that the jib crane stays stable whatever its position.
4. Tighten M24 bolts at a nominal torque of 66 daN.m (or a nominal torque of 96 daN.m for M27 bolts) and then screw up lock nuts.

Note: the jib crane manufacturer would not be responsible for the supporting structure, on which the jib crane will be fitted on, nor the deformation that it could cause on this support.

MAINTENANCE

There is no particular maintenance procedure to apply on this type of crane, but it's appropriate to:

- Lubricate at regular intervals the rotation end stop.
- Once a year check that the fastening screws + nuts and generally all mounting screws are sufficiently tightened.

REMINDER

All lifting appliance must be receipted by a notified body before starting up.
It's strictly prohibited to use any lifting device with the aim of transporting personnel.

USE

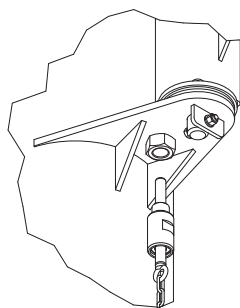
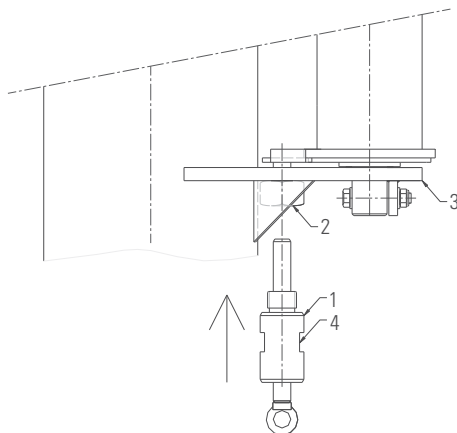
Use accordingly to the safe working load (swf) define by the technical sheet.

ASSEMBLY INSTRUCTIONS

LOCKING DEVICE

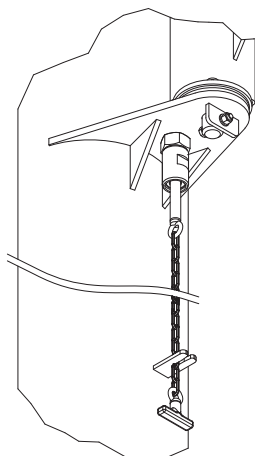
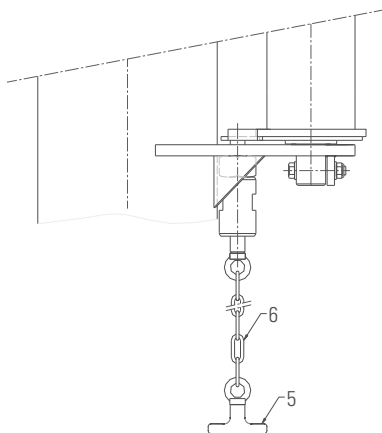
Installation

- 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.

USER MANUAL FOR THE BELTING OF THE BRACKETS FOR WALL JIB CRANES

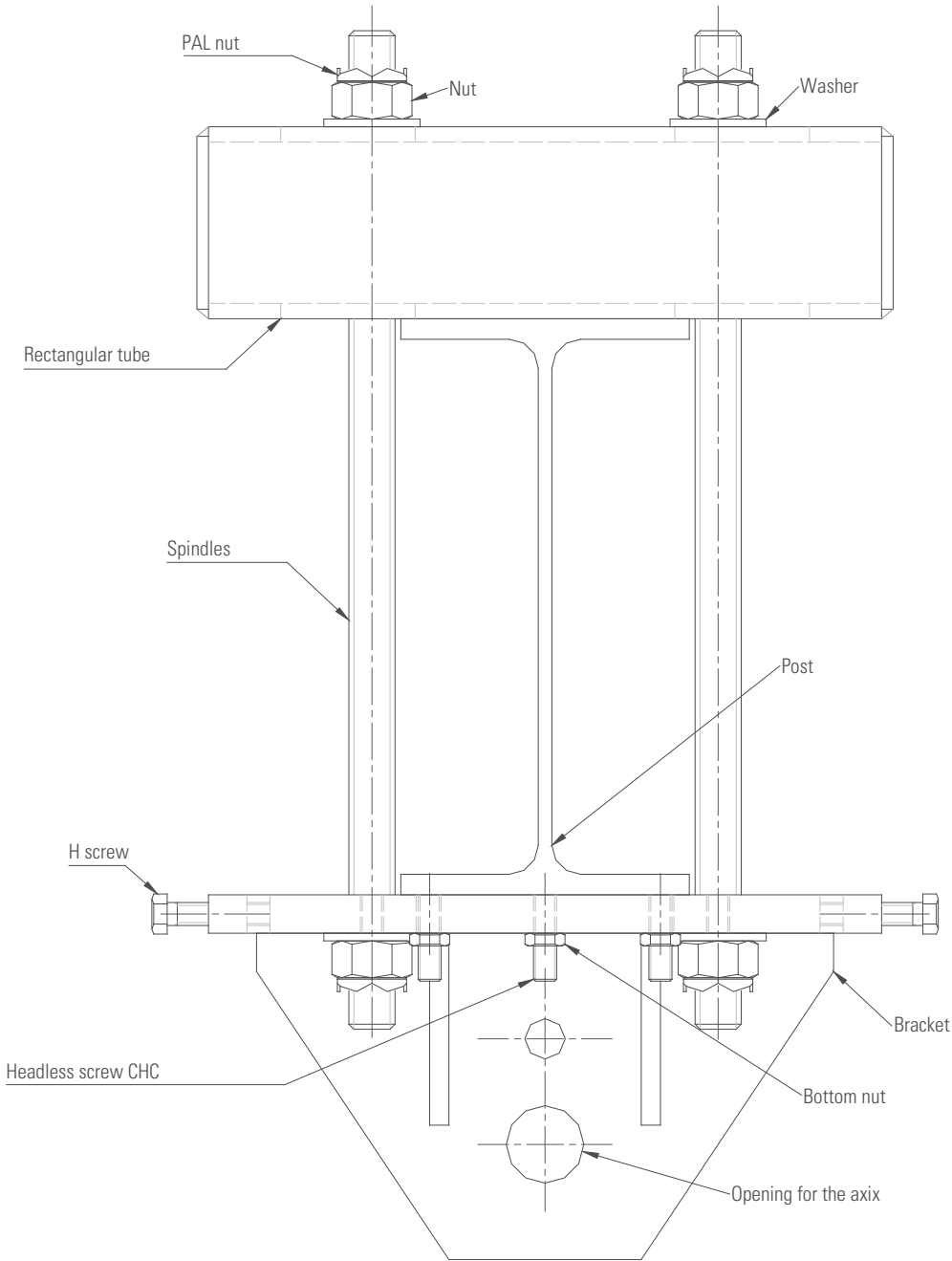
1. Determining the position (height) the lower bracket.
2. The determination of the height of the bottom bracket is equal to the HSF + 20mm.
3. Hold the bracket in position using a handscrew inside the post and the bracket.
4. Present the rectangular tube behind the post (in alignment with the bracket).
5. place each spindle in an opening of the bracket and the one corresponding to the tube.
6. Put the washers and tighten the nuts (8 washers and 8 nuts).
7. Tighten each nut to hold the 2 parts in position (do not lock the nuts).
8. Tighten the H screw of the bracket so as to support against the spindles.
9. Check the horizontal and vertical squareness of the bracket using of a spirit level.
10. Perform the same operation for the upper bracket.
11. Place the axis of the jib crane in each bracket to narrow your settings.
12. Check the squareness by taking the axis as a reference (make 2 checks at 90 ° from each other).
13. Act on the side H screw for horizontal adjustment.
14. Act on the set screws headless CHC (front) for vertical adjustment.
15. Adjust the squareness until a perfect verticalness.
16. Lock the screw of the spindles.
17. Screw the PAL nuts over these nuts.

Tightening torque:

M18 : 14 DaN.m
M20 : 20 DaN.m
M24 : 34 DaN.m
M27 : 49 DaN.m

18. Tighten the H screws.
19. Lock headless set screws CHC.
20. Screw and lock the bottom nut on the headless set screws CHC.
21. Remove the axis of the jib crane.
22. Place the stopper on the bottom bracket, taking care to guide the black face of the stopper in the right direction. This face serves as a support for the slewing of the arm. Oil or grease.
23. Engage the arm with the help of a suitable lifting means.
24. Lubricate the axis and insert it, and mount the key and screws. The safety pin is mounted last.
25. Mount the slowing device, the feeding line and the switch (optional).

Description of components



USER MANUAL FOR THE CLAMPING OF THE BRACKETS FOR WALL JIB CRANES

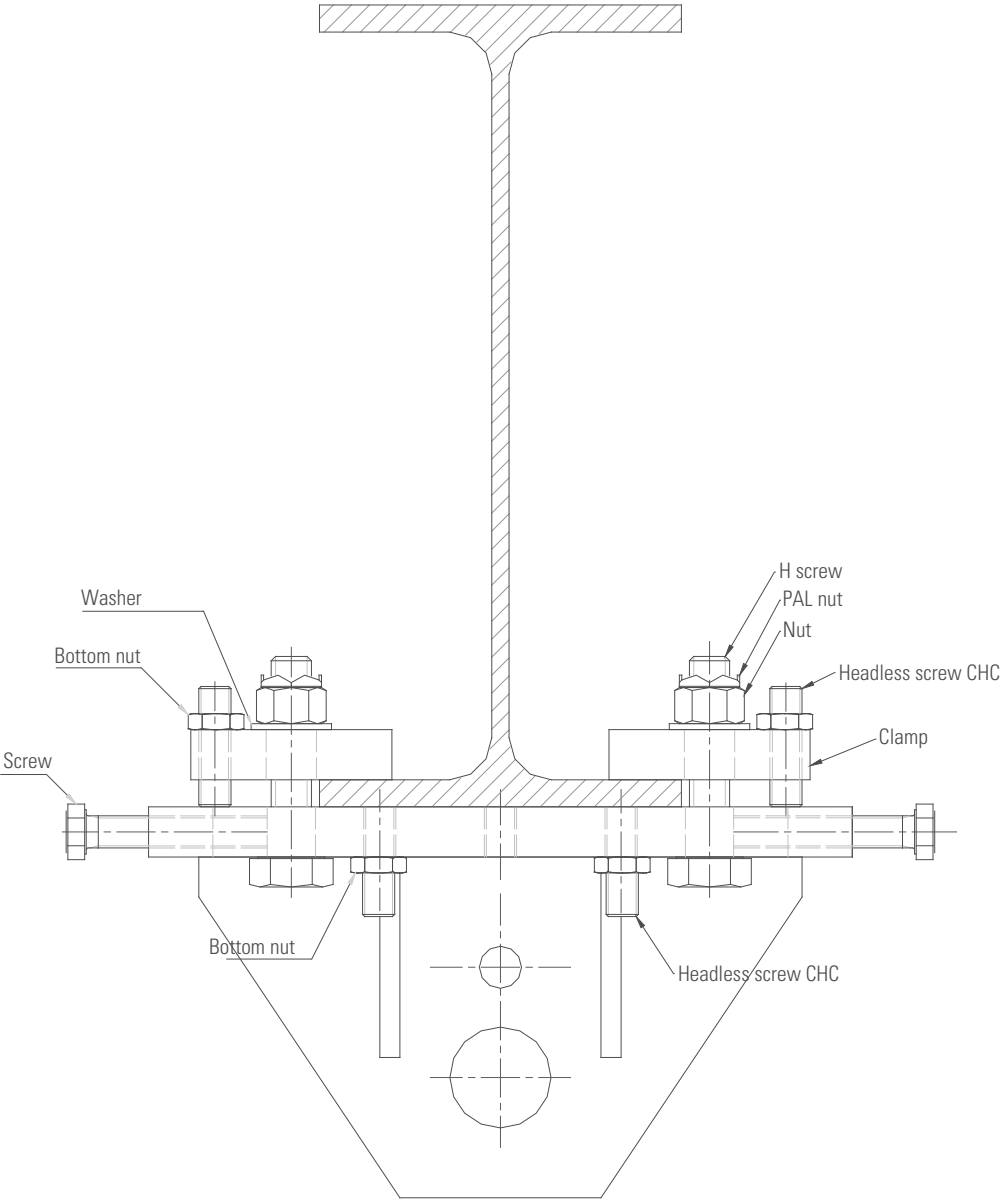
1. Determining the position (height) the lower bracket.
2. The determination of the height of the bottom bracket is equal to the HSF + 20mm.
3. Hold the bracket in position using a handscrew inside the post and the bracket.
4. Install the clamps behind each flange of the IPE or HEA (in alignment with the bracket)
5. Adjust the set screws headless CHC (back) so that they emerge to 1mm from the clamps
6. Place each H screw in an opening of the bracket and in the corresponding hole of the clamp.
7. Put the washers and tighten the nuts (8 washers and 8 nuts).
8. Tighten each nut to hold the 3 parts in position (do not lock the nuts).
9. Tighten the side H screw of the bracket so as to support against the H screw that maintain elements.
10. Check the horizontal and vertical squareness of the bracket using of a spirit level.
11. Perform the same operation for the upper bracket.
12. Place the axis of the jib crane in each bracket to narrow your settings.
13. Check the squareness by taking the axis as a reference (make 2 checks at 90 ° from each other).
14. Act on the side H screw for horizontal adjustment.
15. Act on the set screws headless CHC (front) for vertical adjustment.
16. Adjust the squareness until a perfect verticalness.
17. Tighten the nuts of the H screws to maintain in position.

Tightening torque:

M18 : 21 DaN.m
M20 : 29 DaN.m
M24 : 49 DaN.m
M27 : 71 DaN.m

18. Screw the PAL nuts over these nuts.
19. Tighten the H screws (side).
20. Block headless set screws CHC (front) and then tighten and lock the bottom nut on them.
21. Remove the axis of the jib crane.
22. Place the stopper on the bottom bracket, taking care to guide the black face of the stopper in the right direction. This face serves as a support for the slewing of the arm. Oil or grease.
23. Engage the arm with the help of a suitable lifting means.
24. Lubricate the axis and insert it, and mount the key and screws. The safety pin is mounted last.
25. Mount the slowing device, the feeding line and the switch (optional).

Description of components



WHAT TO 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.
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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...)

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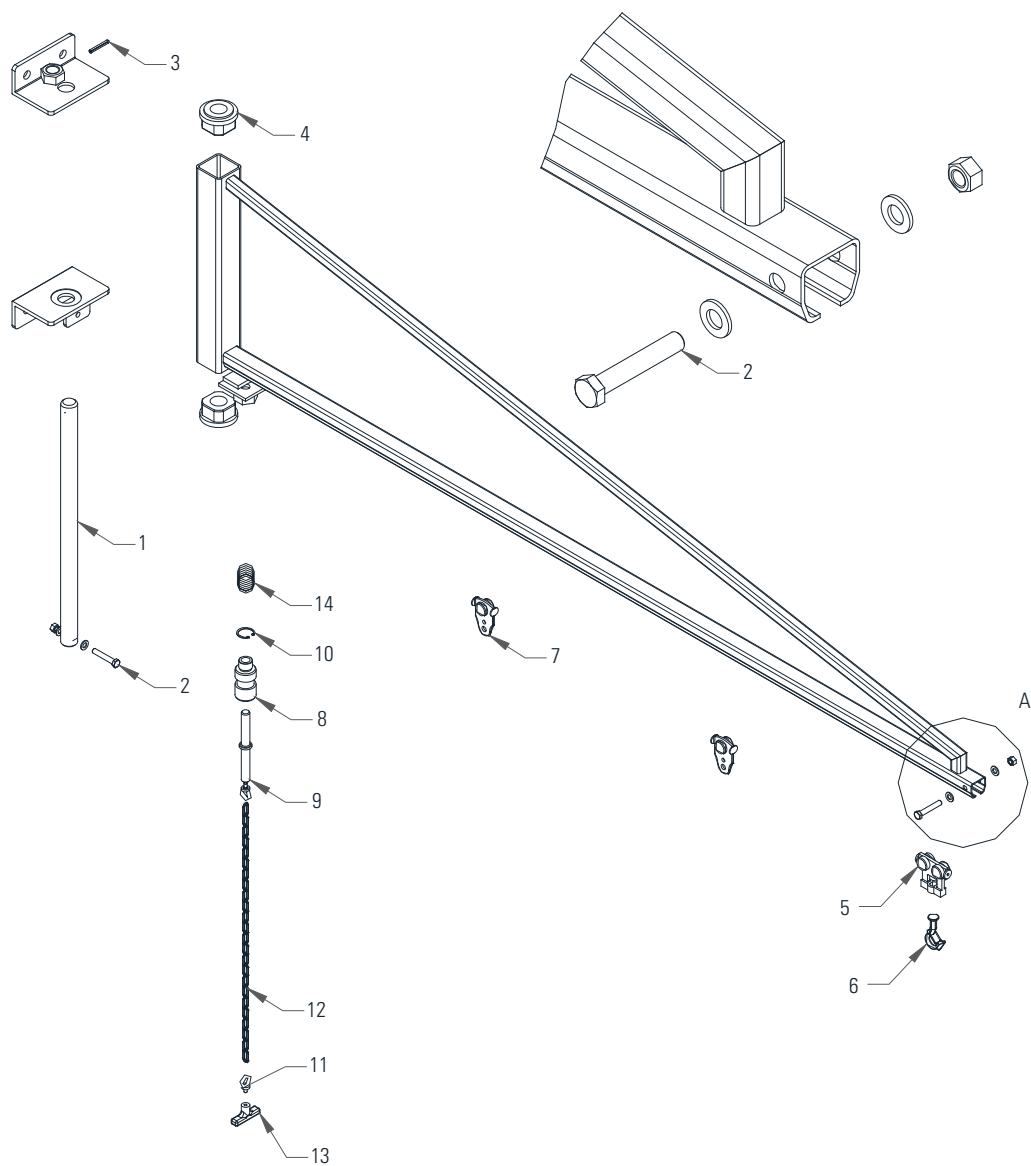
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SPARE PARTS TOOLHOLDER, LIGHT OVERBRACED WALL JIB CRANES

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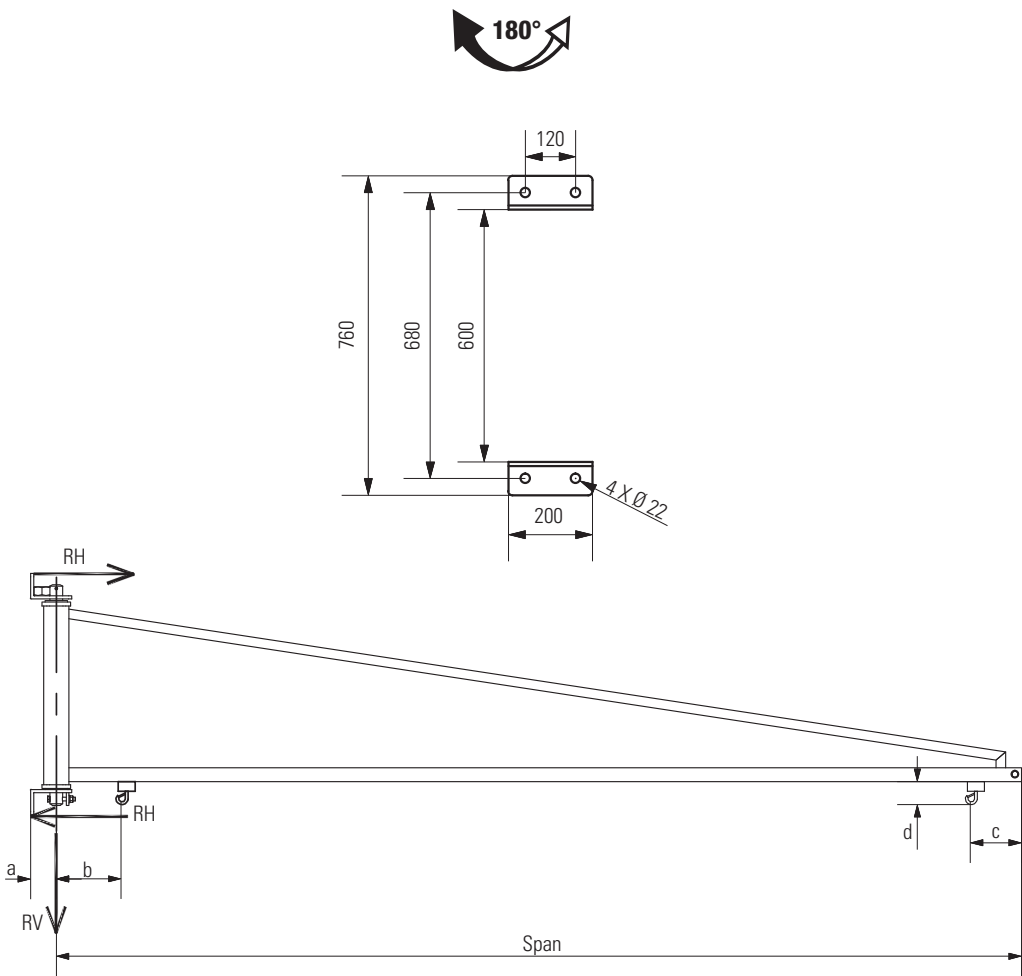
Jib crane

N°	Désignation	Standard	Option
1	Slewing axis	X	
2	Nuts and bolts M12	X	
3	Cotter	X	
4	Plastic hub	X	
5	Load trolley	X	
6	Hook	X	
7	Tube and cable trolley	X	

**Locking device
(option)**

N°	Désignation	Standard	Option
8	Hub		X
9	Shaft		X
10	Elastic ring		X
11	Ring screw		X
12	Chain		X
13	Handle		X
14	Spring		X

SPECIFICATIONS TOOLHOLDER, LIGHT OVERBRACED WALL JIB CRANES



CMU	Portée	a	b	c	d	RH	RV	Couple de renversement	Fixation	Kit de fixation (option)	Poids
Max. capacity	Span							Maximum moment	Fixation	Fixation kit (option)	Weight
Kg	m	mm	mm	mm	mm	DaN	DaN	DaNm	N°	N°	Kg
50	2	80	160	80	115	94	229	180	1	KF1	34
	2,5	80	160	80	115	98	287	225	1	KF1	38
	3	80	260	80	115	101	347	270	1	KF1	41
	3,5	80	260	80	115	105	407	313	1	KF1	45
	4	80	360	80	115	112	469	358	1	KF1	52
	4,5	80	360	80	115	116	532	403	1	KF1	56
80	5	80	460	80	115	119	597	446	1	KF1	59
	2	80	160	80	115	130	297	287	1	KF1	34
	2,5	80	160	80	115	134	372	359	1	KF1	38
	3	80	260	80	115	137	448	428	1	KF1	41
	3,5	80	260	80	115	141	525	499	1	KF1	45
	4	80	360	80	115	148	604	569	1	KF1	52
100	2	80	160	80	115	154	343	358	1	KF1	34
	2,5	80	160	80	115	156	429	446	1	KF1	36
	3	80	260	80	115	161	516	534	1	KF1	41

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