

**ANNEX I OF THE ORIGINAL INSTRUCTION MANUAL**

This document must be considered at all times together with the MI200033 instruction manual and must always be available to the user.
Request more copies if you need them.

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**¡PELIGRO!**

Risk of injury and injury from falling objects, failure, incorrect application and / or incorrect use.

Read the entire instruction manual in-depth before installing and commissioning the machine. The instructions and procedures described in this instruction manual must be followed to ensure the safe use of the equipment.

1- Information about the manual:

Edition date:	Manufacturer:
1ª Edition: 12//2018	ACCESUS plataformas suspendidas, S.L. c/ Energía 54 08940 Cornellà de Llobregat (Barcelona) SPAIN Telf.: (+34) 93 475 17 73 www.accesus.es accesus@accesus.es
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2-Symbols used in this manual**¡PELIGRO!**

Type and source of danger

Result: for example death or serious injury.

-Measures to be taken to eliminate the danger.

**¡IMPORTANTE!**

Type and source of danger

Result: for example damage to equipment or the environment.

-Measures to be taken to eliminate any possibility of an accident.

**NOTA**

This symbol does not identify with any security instruction, it gives information to improve compression.

3- General:

This ANNEX to the MI200033 instruction manual is intended for the operators of the equipment described. This appendix is NOT the equipment instruction manual and does not exempt you from reading and assuming the BRAKOO davit instruction manual, document ref.:MI200033.

The mentioned instruction manual must be accessible to the operator at all times. Request more copies if you need them.

ACCESUS platforms suspended, S.L. reserves the right to modify the product described in this installation guide as part of its continuous improvement policy.

Customers can obtain documentation on other ACCESUS products by requesting documentation from ACCESUS through the means described in section 1 of this installation guide. Please visit our website www.accesus.es.

3.1-Glossary and abbreviations used in this user manual:

C.M.U. Maximum utilization load

Electrician An electrician is a professional who has sufficient knowledge or has obtained the necessary qualification through training to understand the risks and avoid the danger of working in an electrical environment.

Professional Operator who manages the equipment

PST Temporary Suspended Platform

IMPORTANTE:

If you must entrust the material described in this manual to subcontracted or assimilated personnel, verify and apply your obligations derived from the applicable national regulations on safety at work, especially regarding verifications and tests before commissioning.

LABOR RISK PREVENTION PLAN:

According to article 7 of RD 1627/97, each contractor must prepare a Health and Safety at Work plan in which the provisions contained in the study or basic study are analyzed, studied, developed and complemented, according to their own system. of execution of the work. See points 1 and 2 of the aforementioned RD.

4- Description of the equipment

4.1-Application area

BRAKOO jibs are designed to support and keep in position suspended scaffolding equipped with hoists with a maximum capacity of use of up to 500kg. The jibs are installed on flat terraces.

The following equipment is excluded from this manual

-Temporary suspended platforms equipped with devices with a maximum working capacity exceeding 500 kg.

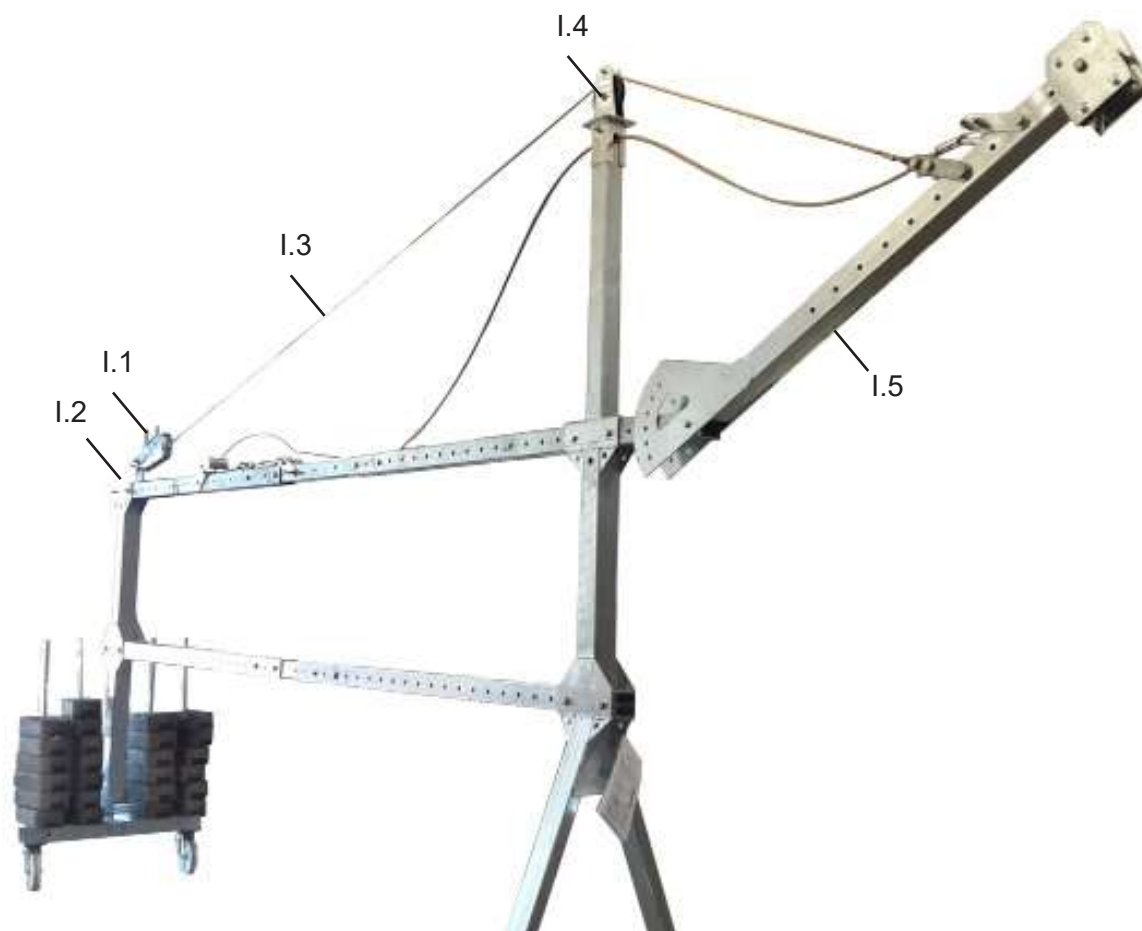
The components and manoeuvres described in this ANNEX I are intended to facilitate the installation of a platform suspended from the upper terrace.



NOTA

Whenever possible, the platform should be installed in the lower area.

4.2-Componentes principales



Main components			
Nº	Code	Description	Quantity
I.1	078.4	Traction device	1
I.2.1	200033-671	Semi-support 1 traction device anchor	1
I.2.2	200033-672	Semi-support 2 traction device anchorage	1
I.2.3	DIN931M18X140	Screw DIN931 M18X140 8.8 zn	2
I.2.4	DIN985M18ZN	Nut DIN985 M18 zn	2
I.3.1	780044/10	Cable length.10m traction device	1
I.3.2	200033-710	Semi-anchorage cable tensioner	2
I.3.3	DIN931M18X140	Screw DIN931 M18X140 8.8 zn	3
I.3.4	DIN985M18ZN	Nut DIN985 M18 zn	2
I.3.5	DIN934M18ZN	Nut DIN934 M18 zn	1
I.4	200033-665	Complete pulley support	1
I.4.1	DIN931M12x120	Screw DIN931 M12x120 8.8 zn	1
I.4.2	DIN985M12	Nut DIN985 M12 zn	1
I.5	200033-650	Swinging arm	1
I.5.1	DIN931M18X140	Screw DIN931 M18X140 8.8 zn	2
I.5.2	DIN934M18ZN	Nut DIN934 M18 zn	2

4.3-Configurations

The components and manoeuvres described in this APPENDIX I are only valid with BRAKOO davit configurations 2B, 3B and 4B, see BRAKOO davit operating instructions MI200033.

**¡PELIGRO!****Risk of falling to different levels**

Result: e.g. death or serious injury.

The components and manoeuvres described in this ANNEX I must NOT be used for configurations other than 3B and 4B described in the BRAKOO davit operating instructions MI200033.

4.4-Tips for commissioning



¡IMPORTANTE!

Risk of injury from falling objects, falling to different levels and/or breakage.

Risk of death due to falling objects, falling to different levels and/or breakage.

-Before fitting the davits, make sure that the support surfaces have sufficient capacity to withstand the forces due to the suspended loads. If necessary, consult the site manager about the permissible loads. The transmitted loads are those described in the BRAKOO davit operating instructions MI200033.

-Regulate the distance between the davits according to the distance between the cables of the suspended platform.

-Regularly check the condition of all davit components. Check the condition of all davit components regularly, especially the condition of the cable tensioning system. Use only original ACCESUS spare parts.

-It is always preferable to reduce the rear load by lengthening the beam as much as possible and reducing flight to a minimum.

-Check that the deck is capable of withstanding the loads and stresses caused. The loads transmitted are those described in section 4.5 of the BRAKOO davit operating instructions MI200033. If necessary, check the permissible loads with the project manager.

-The deck cladding must always be protected with boards, wood or metal profiles.

-The counterweight must be made with ACCESUS counterweights. To find out the value of the counterweight, see the label on the front element or in section 4.5 of the BRAKOO davit operating instructions MI200033.

-The scaffold must only be hooked up when the davit has been completely installed and correctly counterbalanced.

-It is essential to test the installation in accordance with current regulations after assembly and before use.

-Before use, check that the brakes on each wheel are locked and that the cable is tightened.

-Use only original ACCESUS spare parts.

4.5-Efforts due to suspended loads

The information on the loads transmitted by the davit is in the BRAKOO davit MI200033 instruction manual.

5-Assembly of the davits



¡PELIGRO!

Risk of injury from falling objects, falling to different levels and/or breakage.	Risk of death due to falling objects, falling to different levels and/or breakage.
	<ul style="list-style-type: none"> -Before assembling the davits, ensure that the davit support points have sufficient capacity to withstand the forces due to the suspended loads. -During the assembly and installation of the davits, it is compulsory for the operators to be equipped with all the PPE and a harness that is anchored to a sufficiently resistant anchorage point. -Only when the two suspension beams are completely assembled is it possible to suspend the platform. Conversely, the removal of the counterweights will only be undertaken after the platform has been unhooked.

Two operators are required to install the davits.



NOTA

The numbering of components not described in this annex is that of the BRAKOO davit operating instructions MI200033.



NOTA

Start by mounting the davit in either configuration 2A, 3A or 4A, following the instructions in the BRAKOO davit operating manual MI200033 up to step 12 in either configuration.

5.1-Pendulum arm kit assembly.

To carry out the manoeuvre of installing the suspended scaffolding from the terrace or roof, it will be necessary to assemble the swing arm kit. The assembly of the swing arm kit is described below.

SWING ARM KIT, SIMPLE BRACING	
Motor	Maximum overhang
C.M.U. 300kg	2 m
C.M.U. 400kg	2 m
C.M.U. 500kg	2 m



The components of the pendulum arm kit are as described in section 4.2 of this ANNEX I.

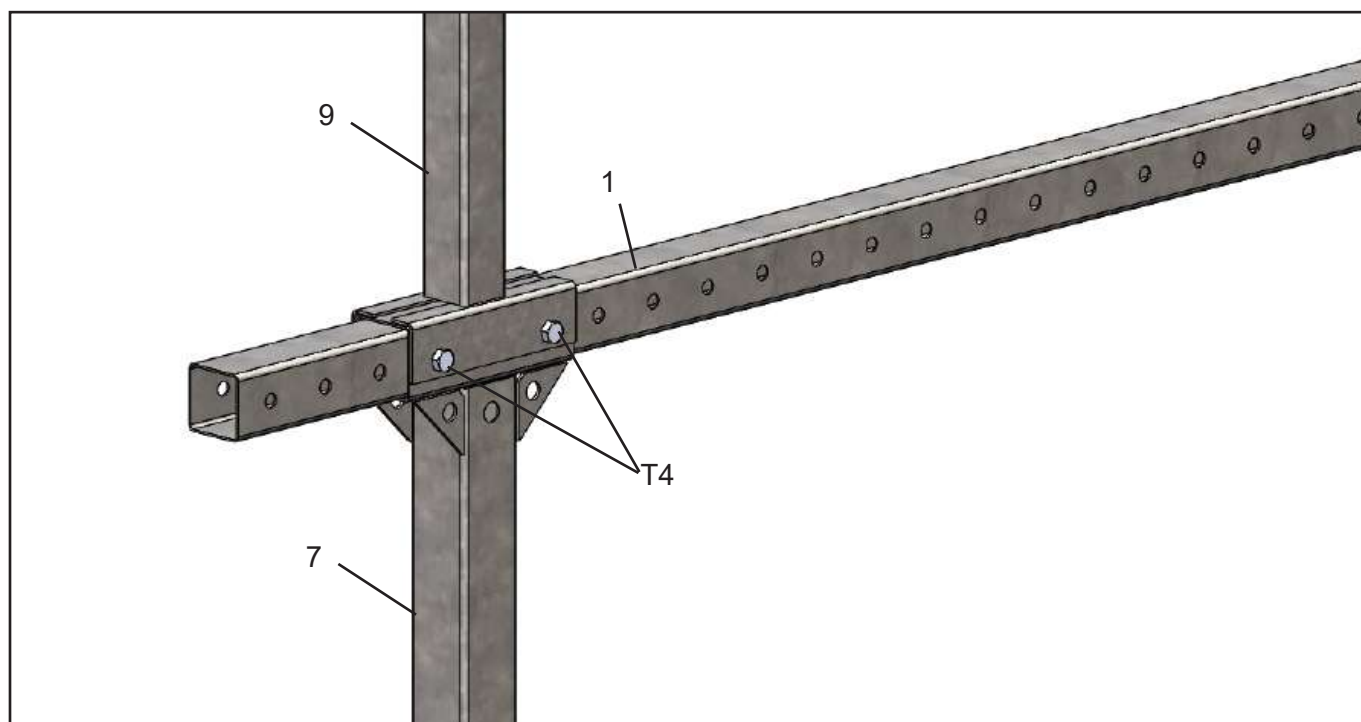
List of required materials:

Fixed and ratchet wrenches for M12 and M18 hexagonal screw, 2 persons.

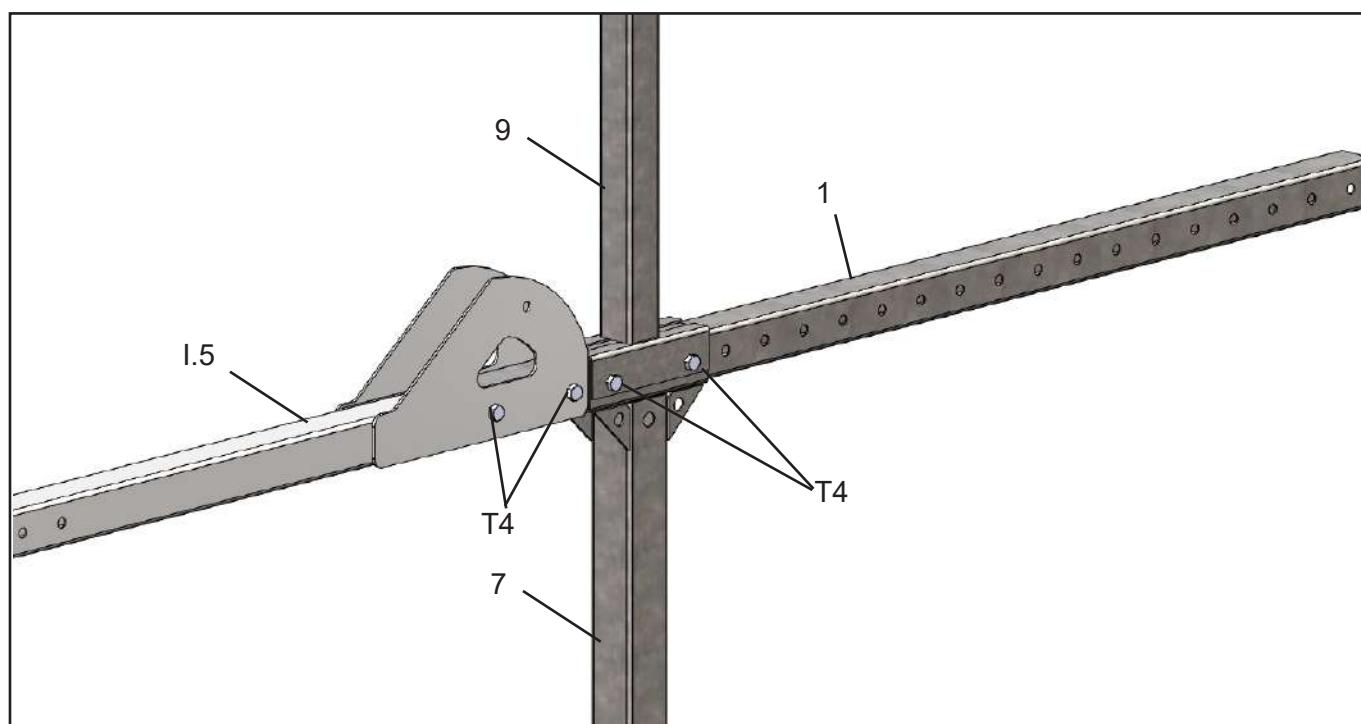
Screws and tightening torque (this list is referred to in the assembly description).

	DESCRIPTION	TIGHTENING TORQUE	UN.
T4	Screw DIN931 M18x140 8.8 + Nut DIN934	220 Nm	3
T5	Screw DIN931 M18x140 8.8 + Nut DIN985	220 Nm	4
T6	Screw DIN931 M12x120 8.8 + Nut DIN934	62 Nm	1

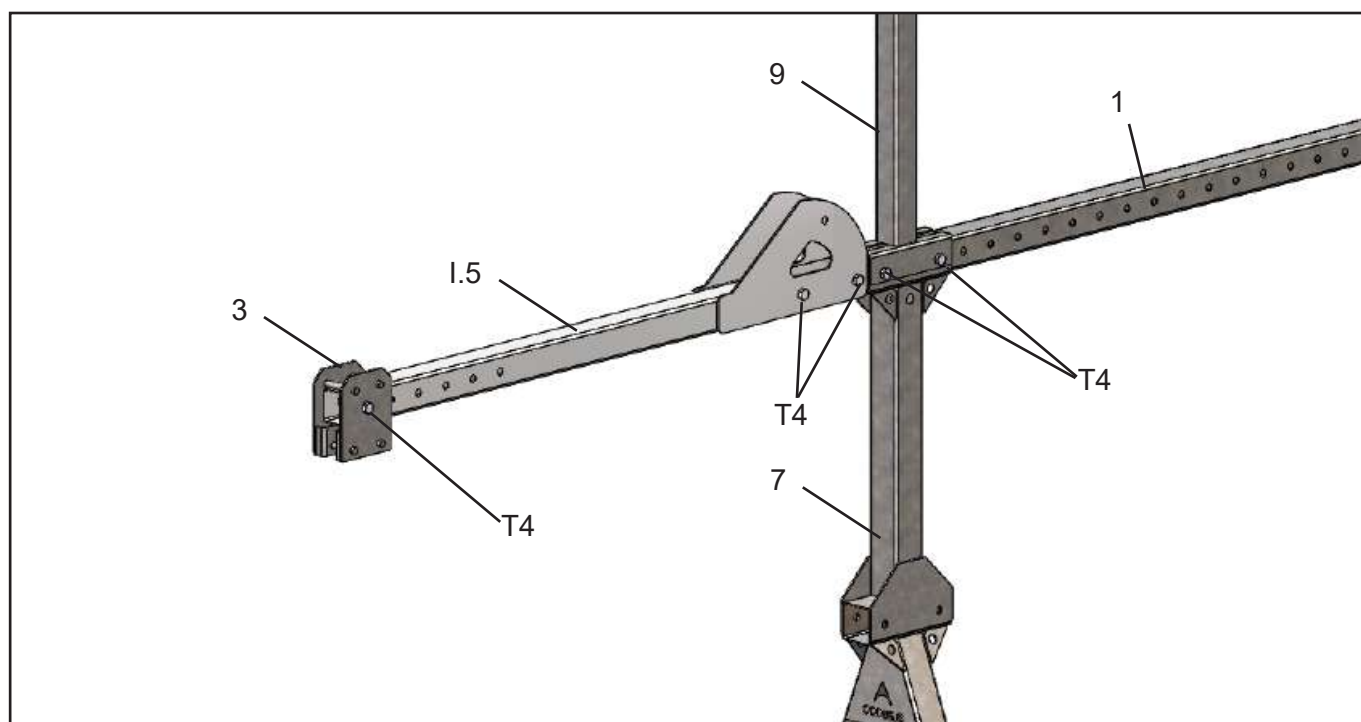
1-Before starting to install the swing arm kit, it is necessary to adjust the front external telescopic tube (Pos.1) so that 3 holes protrude in front of the leg (Pos.7) as shown in the picture.



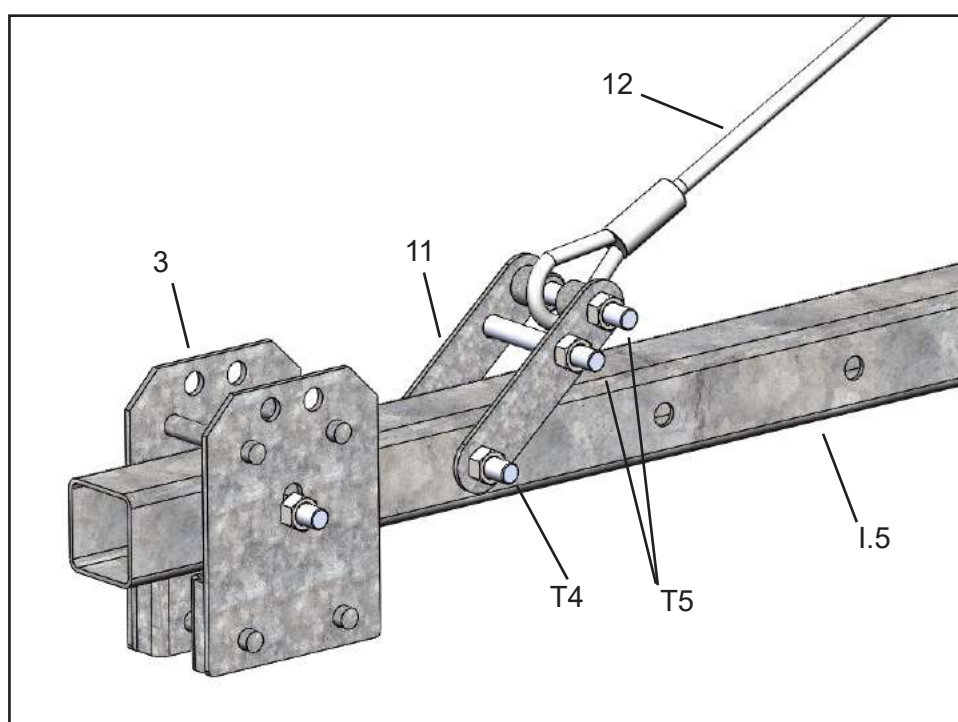
2-Assemble the pivoting arm (Pos.1.5) to the front external telescopic tube section (Pos.1) protruding from the leg (Pos.7). Use 2 screws T4.



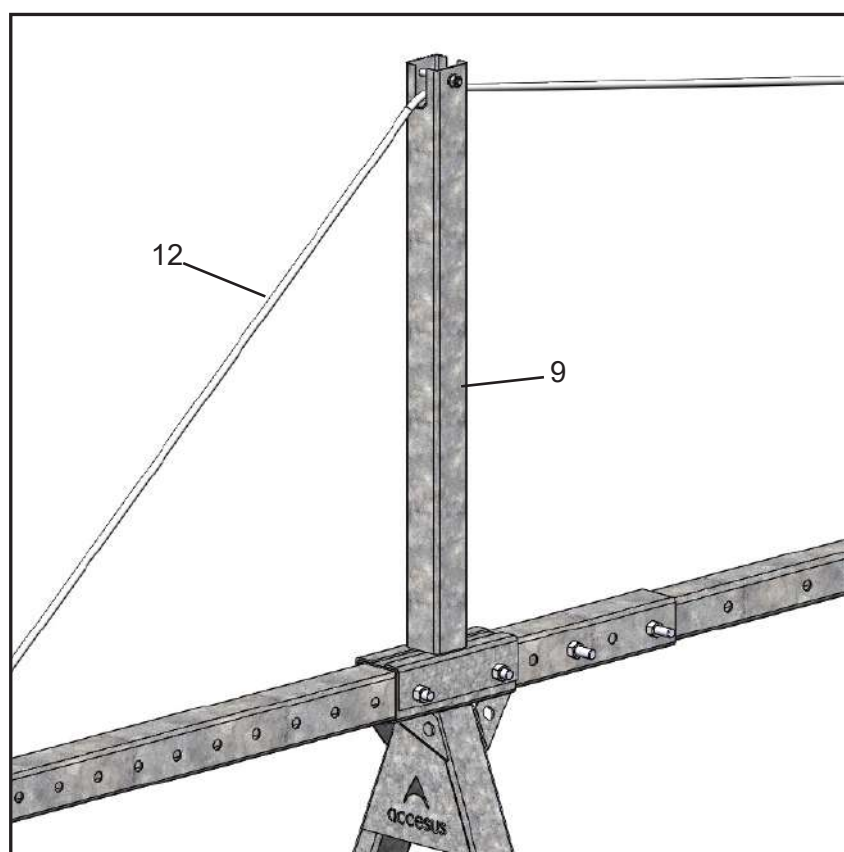
3-Place the cable support head (Pos.3) on the swing arm (Pos.I.5) by means of 1 screw T4.



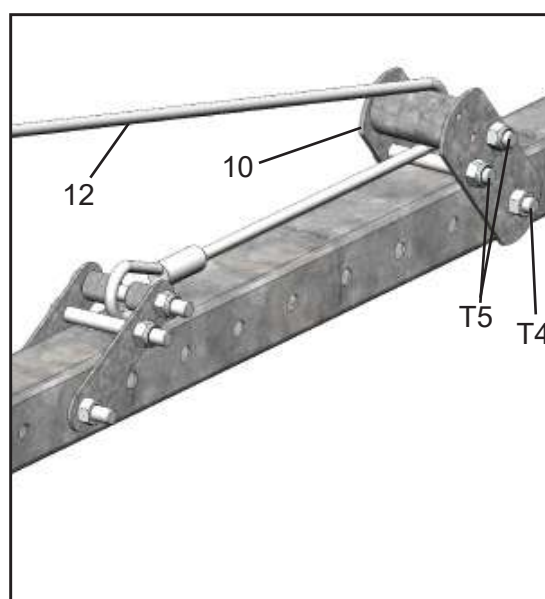
4-Place the cable clamping plate (Item 11) (2 screws T5 and 1 T4) and fix the clamping cable. The plate must be anchored in the most forward position possible, the one closest to the cable support head (Item 3).



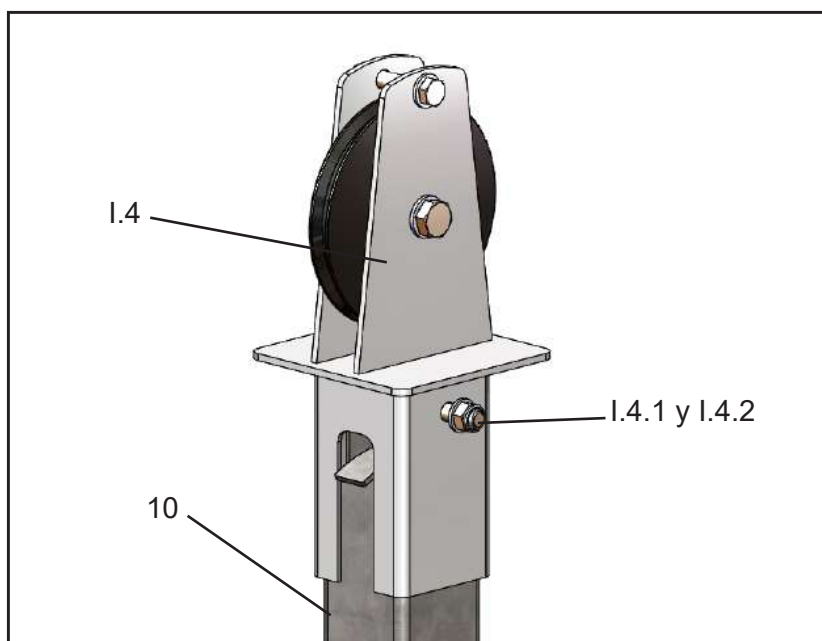
5-Place the clamping cable (Pos.12) at the top of the cable mast (Pos.9) through the groove.



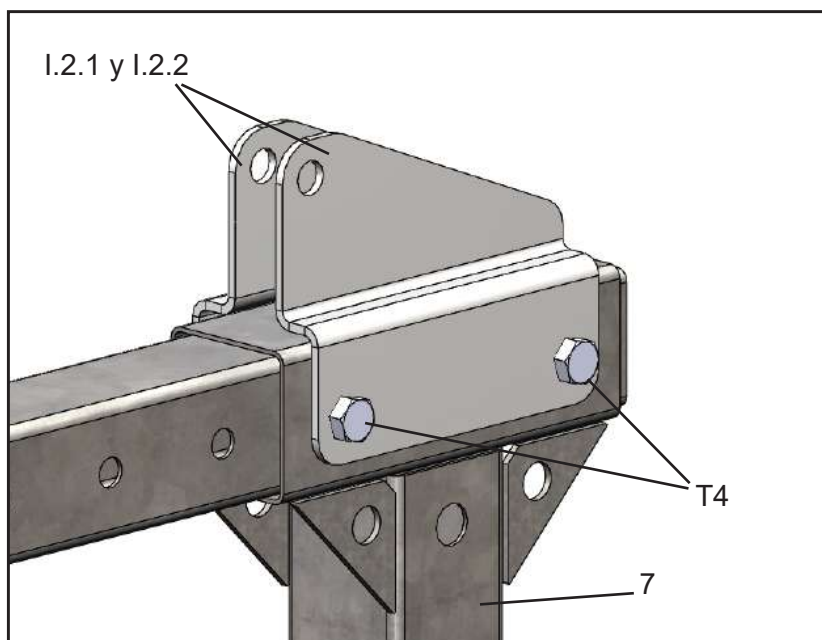
6-Place the cable deflection plate (Item 10) (1 T4 and 2 T5 screws) and pass the cable clamp (Item 12). The plate has to be anchored in the most backward position possible but NOT on the back leg as we have to leave space to place the supports of step 9.



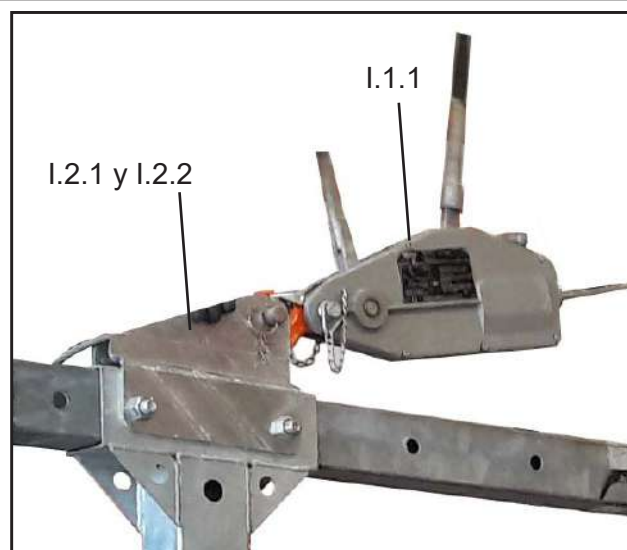
8-Place the complete pulley support (Pos.1.4) on the cable extension mast (Pos.9) and fix it with the screw (I.4.1 and I.4.2).



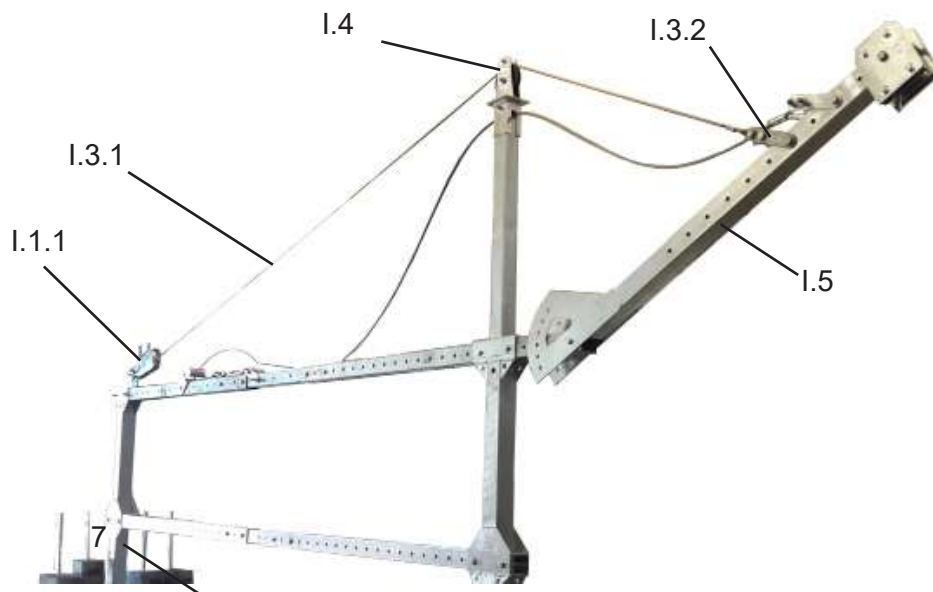
9-Place the half support 1 traction device anchorage (Pos.1.2.1) and half support 2 traction device anchorage (Pos.1.2.2) on the short rear extension (Pos.7) and fix them with screw T4.



10-Place the traction device (Pos.1.1) in the support by means of its pin in the half support (Pos. 1.2.1 and 1.2.2).



11-Assemble the cable of the draw gear (Pos.I.3.1) anchoring the hook to the swing arm (Pos.I.5) through the semi-anchors (Pos.I.3.2) through the pulley (Pos.I.4) and through the draw gear (I.1.1).



NOTA

To facilitate subsequent manoeuvres, we recommend installing the semi-anchors (Pos.I.3.2) as close to the end of the swing arm (Pos.I.5) as possible, without interfering with the tensioning cable (Pos.I.2).

NOTA

Finally, install the davit in configuration 2A, following the instructions in the BRAKOO davit operating manual MI200033 from step 11 to the end.

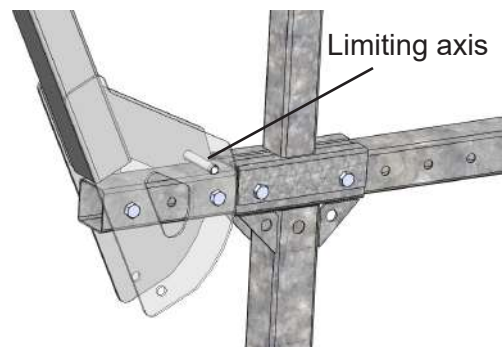


¡DANGER!

Risk of falling due to oscillating arm instability

Result: for example death or serious injury.

Respect and do not modify the limiting axis that avoids the over-inclination of the arm that can cause instability to the entire arm assembly.



**NOTA**

Finally mount the davit in either configuration 3A or 4A, following the instructions in the BRAKOO davit instruction manual MI200033 from step 14 to the end in either configuration.

5.2-Manoeuvre to assemble the platform from the terrace

**¡IMPORTANTE!**

Risk of injury from falling objects, falling to different levels and/or breakage.

Risk of death due to falling objects, falling to different levels and/or breakage.

-Before assembling the davits, ensure that the davit support points have sufficient capacity to withstand the forces due to the suspended loads. -During the assembly and installation of the davits, it is compulsory for the operators to be equipped with all the PPE and a harness that is anchored to a sufficiently resistant anchorage point.

-A suitable means of access (ladder or equivalent) must be used to access the traction device.

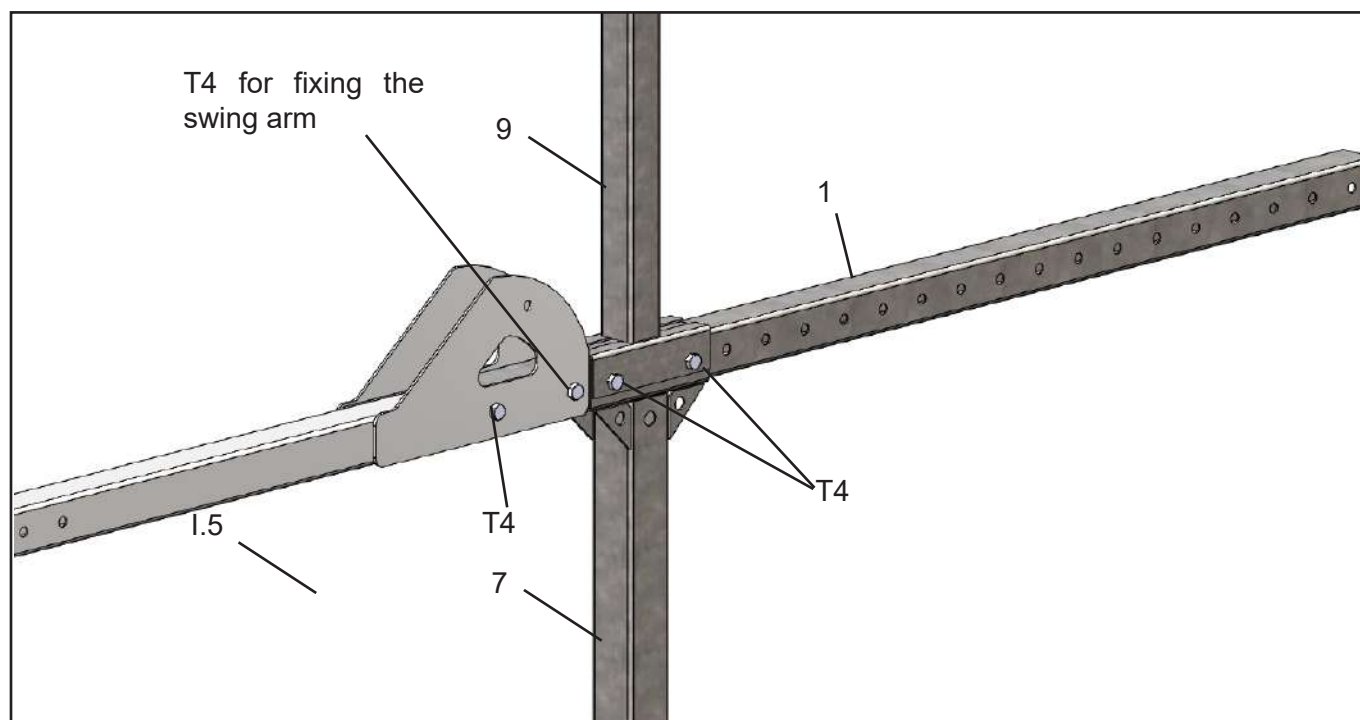
-Only when the two suspension beams are fully assembled is it possible to suspend the platform. Conversely, removal of the counterweights shall only be undertaken after the platform has been disengaged.

-A suitable means of access (ladder or equivalent) must be used to gain access to the traction device.

-IT IS FORBIDDEN TO CARRY OUT THE FOLLOWING MANOEUVRES WITH PERSONS ON THE SUSPENDED PLATFORM.

To carry out the manoeuvre of installing the suspended scaffolding from the terrace or roof, it will be necessary to follow the following steps:

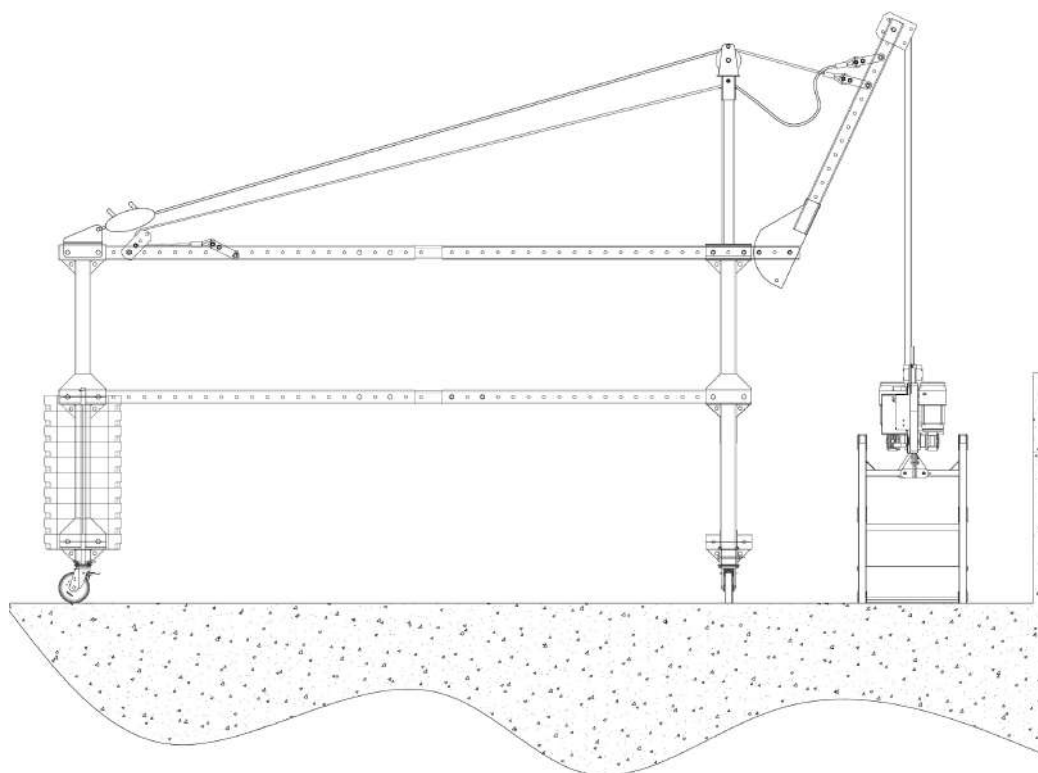
1-Disassemble the rear screw T4 to fix the swing arm.



2-Once the BRAKOO davits are installed with the swing arm kit and the complete platform is installed on the terrace, position the platform under the davits.

Hook the cable hooks into the davit rings, following the instructions in section 6 - Cable assembly in the BRAKOO davit operating instructions MI200033.

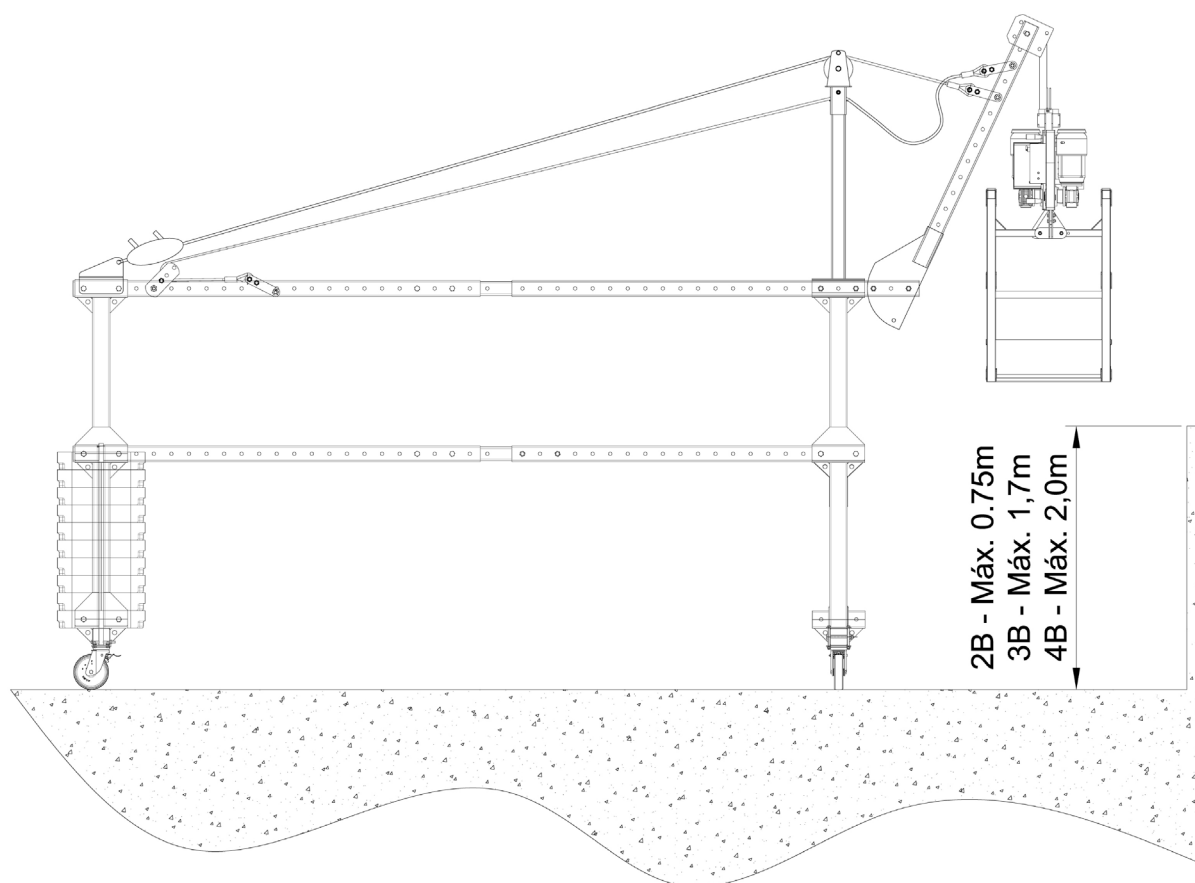
Use the traction device to raise the arm.



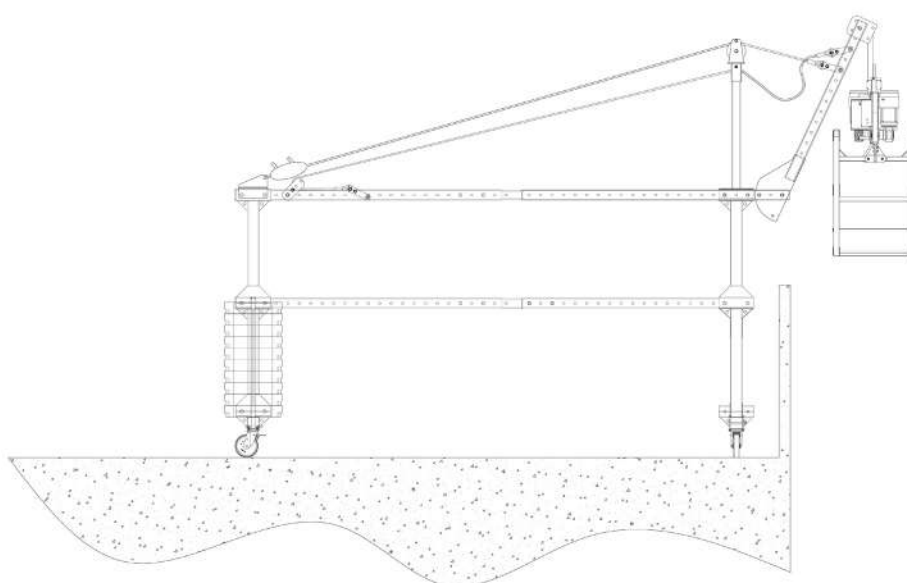
3-Now the system is ready to pass the platform over the terrace railing.

Maximum railing height is:

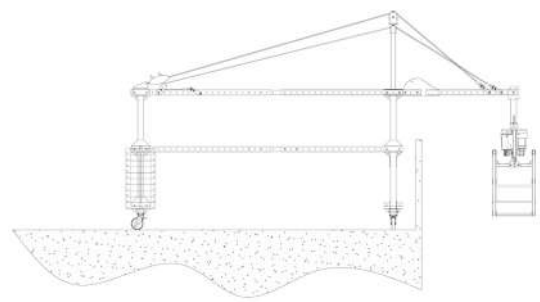
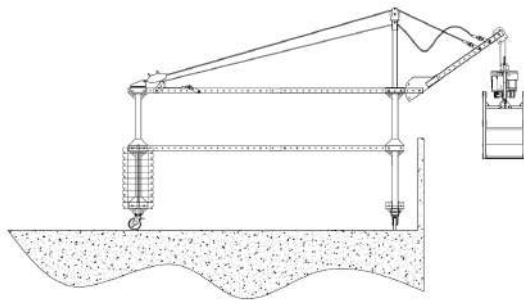
- Configuration 2B 0.75m
- Configuration 3B 1.7m
- Configuration 4B 2m



4-Push the davits with the platform suspended until the platform is vertical to the facade.



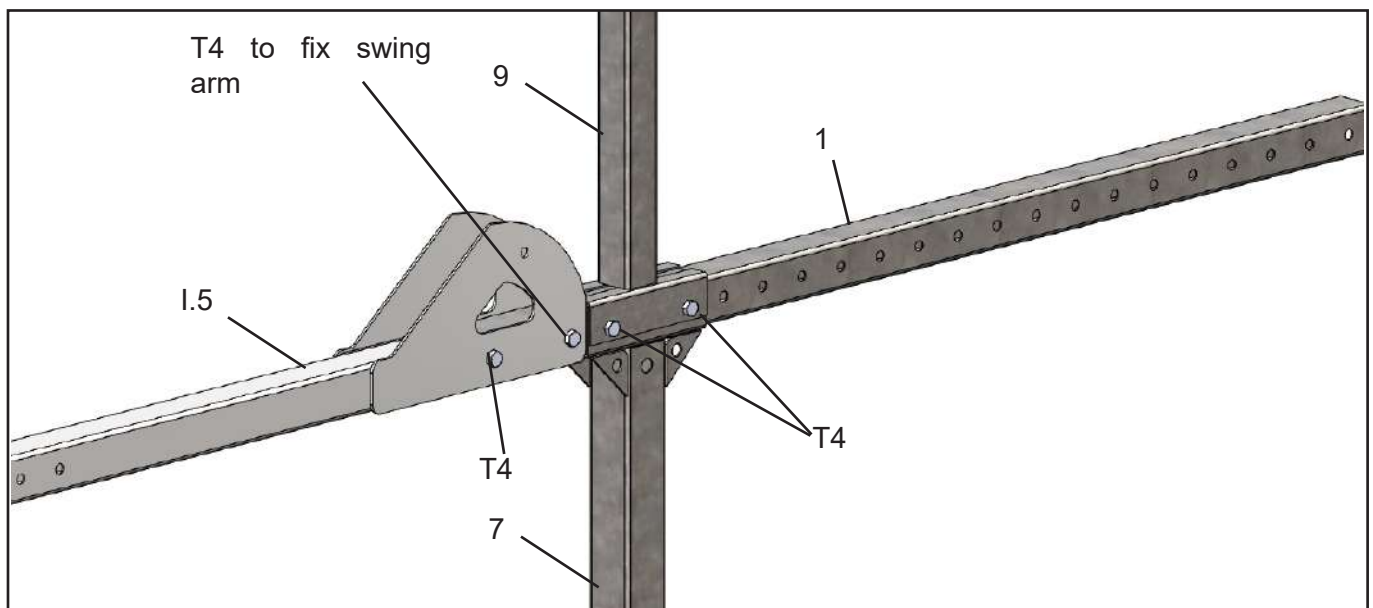
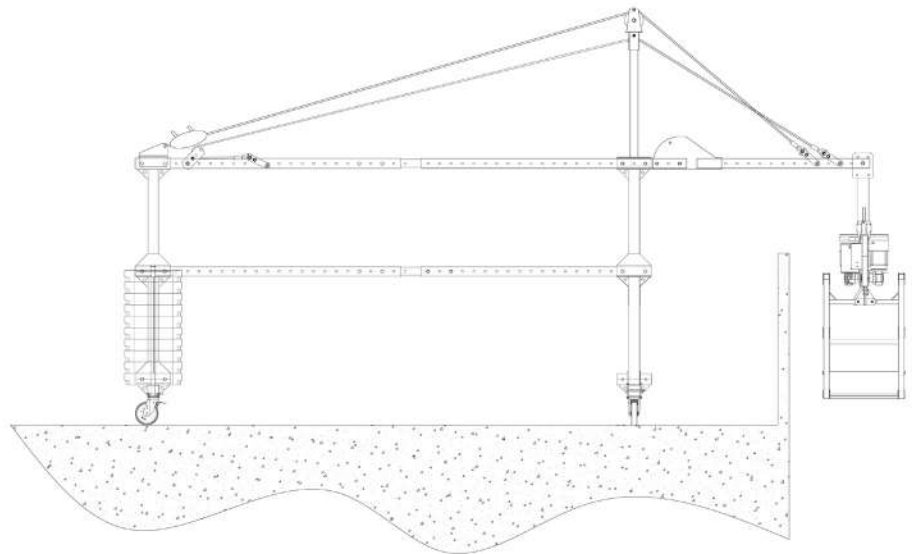
5-Act on the lowering lever of the traction device to lower the swing arm until it is horizontal.



6-Once the horizontal oscillating arm proceed to push the davits to bring the platform closer to the facade.

Proceed to install the T4 screw to finish fixing the swing arm.

Leave the cable of the traction device loose. The cable that must have tension is the tension cable.



7-Secure the davit by braking the front and rear wheels. Make sure that the tensioning cable is perfectly tightened. The davit is now ready for use.

**NOTA**

All other instructions and warnings are given in the BRAKOO davit operating instructions MI200033.

NUEVO CATÁLOGO
PARA TRABAJOS
EN ALTURA



ARNESES

- Arnese homologados con anclaje frontal y/o dorsal, con o sin cinturón de posicionamiento, ignífugos, aptos para trabajos en suspensión, diseñados para mujer, de alta visibilidad...
- Arnese de gama alta desde 55 €.



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- Disponibles con o sin conectores, regulables, dobles, con o sin absorbedor de energía, ignífugas, de cuerda o cinta elásticas...
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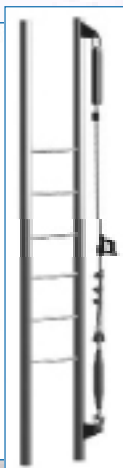


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