



ANNEX II TO THE ORIGINAL INSTRUCTION MANUAL

This document must be considered at all times in conjunction with the MI200033 instruction manual and must always be available to the user.

Request more copies if you need them.

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**¡DANGER!**

Risk of injury and injury from falling objects, failure, misapplication and / or misuse.

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

1-Information about the manual:

Edition date:	manufacturer
1ª Edition: 05/2019	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**¡DANGER!**

Type and source of the hazard

Result: for example death or serious injury.

-Measures that must be taken to eliminate the danger.

**¡IMPORTANT!**

Type and source of the hazard

Result: for example damage to equipment or the environment.

-Measures that must be taken to eliminate any possibility of accident.

**NOTE**

This symbol does not identify with any safety instructions, 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's instruction manual and does not exempt from reading and assuming the BRAKOO davit instruction manual, document ref.:MI200033.

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

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

Customers can obtain documentation on other ACCESUS products by requesting the 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 load of use.

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

Operator Professional who manages the team.

PST Temporary Suspended Platform.

IMPORTANT:

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

PLAN DE PREVENCIÓN DE RIESGOS LABORALES:

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

4-Description of the equipment

4.1-Scope

The BRAKOO davits equipped with BEAM RAIL are designed to support and keep in position hanging scaffolds equipped with lifts with a maximum utilization capacity of up to 500kg. The davits are installed on flat terraces.

The following equipment is excluded from this manual:

-Temporary suspended platforms equipped with devices with a maximum utilization capacity greater than 500kg.

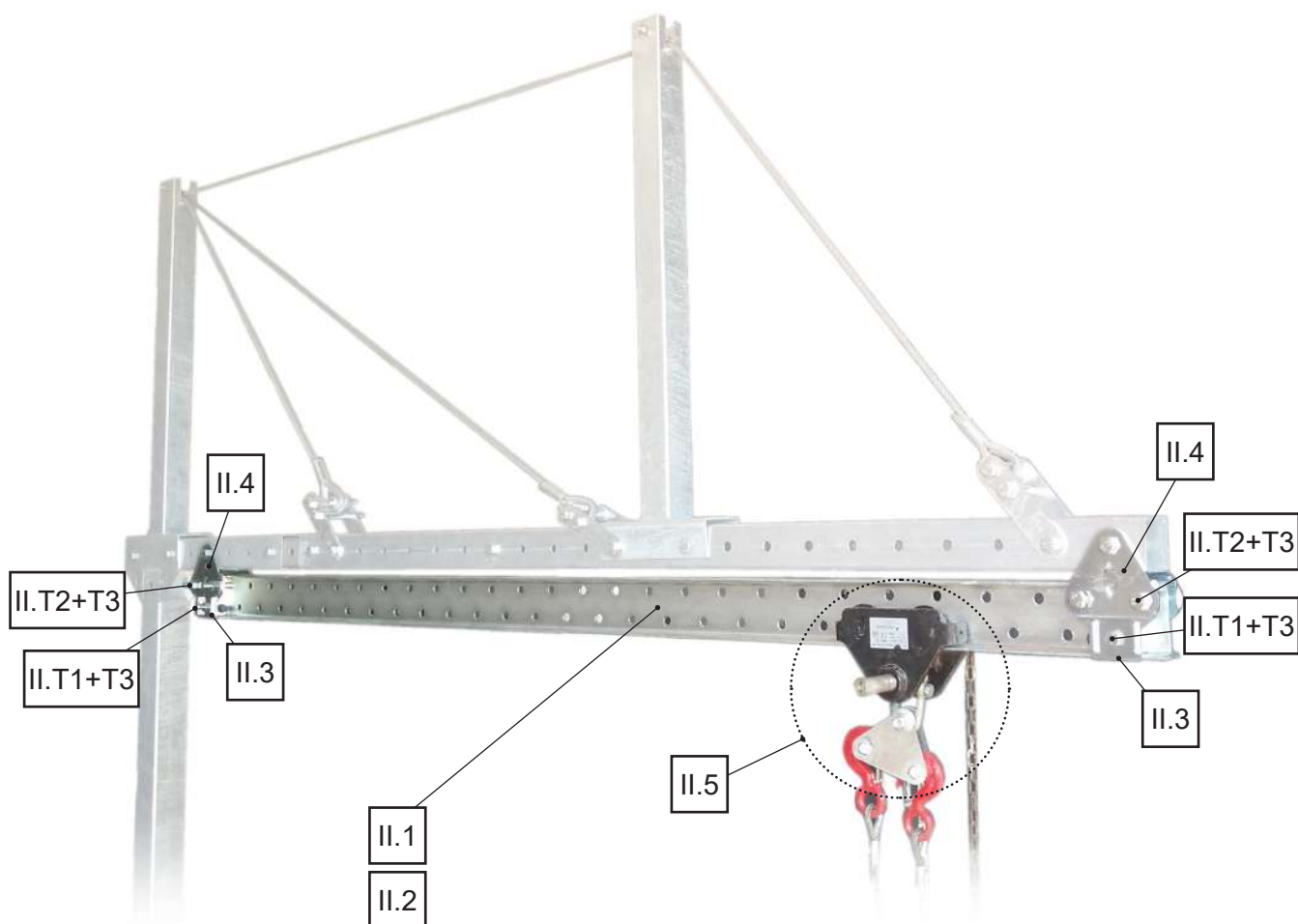
The components and maneuvers described in this ANNEX II are intended to facilitate the installation, access and movement of a suspended platform from an upper terrace.



NOTE

Whenever possible, the installation of the platform should be done in the lower zone.

4.2-Main components



Main components				
N°	Code	Description	Quantity	Weight
II.1	200033-690	Beam Rail 3m	1	30kg
II.2	200033-691	Beam Rail 2m	1	20kg
II.3	200033-685	Fixation	4	1kg/und
II.4	200033-675	Anchorage	4	1kg/und
II.5	200011-000	EN1808 trolley with chain	1	13kg
II.T1	DIN931M18X100	Screw DIN931 M18x100 8.8zn	2	-
II.T2	DIN931M18X140	Screw DIN931 M18x140 8.8zn	6	-
II.T3	DIN934M18ZN	Nut DIN934 M18 zn	8	-

4.3-Configurations

The components and maneuvers described in this ANNEX II are valid with the BRAKOO davit configurations of overhang greater than 1m (2B, 2C, 2D, 3B, 3C, 3D, 4B, 4C and 4D)

See the MI200033 instruction manual for the BRAKOO davit.



¡DANGER!

Risk of falling to different levels	Result: for example death or serious injury.
	The components and maneuvers described in this ANNEX II must NOT be used for configurations other than 2B, 2C, 2D, 3B, 3C, 3D, 4B, 4C and 4D described in the BRAKOO davit MI200033 instruction manual.

4.4-Tips for commissioning



¡IMPORTANT!

Risk of injury and injury from falling objects, falling at different levels and / or breaking.	Danger of death due to falling objects, falling to different levels and / or breakage.
	-Before proceeding with the assembly of the davits, make sure that the support surfaces have sufficient capacity to withstand the efforts due to the suspended loads. If necessary, consult the project manager about the admissible loads. The transmitted loads are those described in the instruction manual MI200033 for the BRAKOO davit.

-Adjust the distance between the davits according to the distance between the cables of the suspended platform (in the case of platforms with double lift).

-Regularly check the condition of all the components of the davit. Especially the condition of the tensioning cable system. Use only original ACCESUS spare parts.

-It is always preferable to reduce the rear load by lengthening the beam to the maximum and reducing the overhang to a minimum.

-Verify that the terrace is capable of supporting loads and efforts caused. The transmitted loads are those described in section 4.5 of the BRAKOO davit MI200033 instruction manual.

If necessary, check the admissible loads with the project manager.

-The lining of the terraces must always be protected by means of boards, timbers or metal profiles.

-The counterbalance must be done with ACCESUS counterweights. To know the value of the counterbalance, observe the label located on the front element or in section 4.5 of the MI200033 instruction manual for the BRAKOO davit.

-The scaffold should 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 taut.

-Use only original ACCESUS spare parts.

4.5-Stresses due to suspended loads

The information of the loads transmitted by the davit are in the instruction manual MI200033 of the BRAKOO davit.

5-Assembling the davits



DANGER!

Risk of injury and injury from falling objects, falling at different levels and / or breaking.	Danger of death due to falling objects, falling to different levels and / or breakage.
	<ul style="list-style-type: none"> -Before proceeding with the assembly of the davits, make sure that the davit support points have sufficient capacity to withstand the efforts due to the suspended loads. -During the assembly and installation of the davits, it is mandatory that the operators be equipped with all PPE and a harness that is anchored to a sufficiently resistant anchor point. -Only when the two suspension davits are fully assembled can the platform be suspended. Conversely, removal of the counterweights will only be undertaken after the platform has been unhooked.

Two operators are required to install the davits.



NOTE

The numbering of the components not described in this annex are those corresponding to the instruction manual MI200033 of the BRAKOO davit.



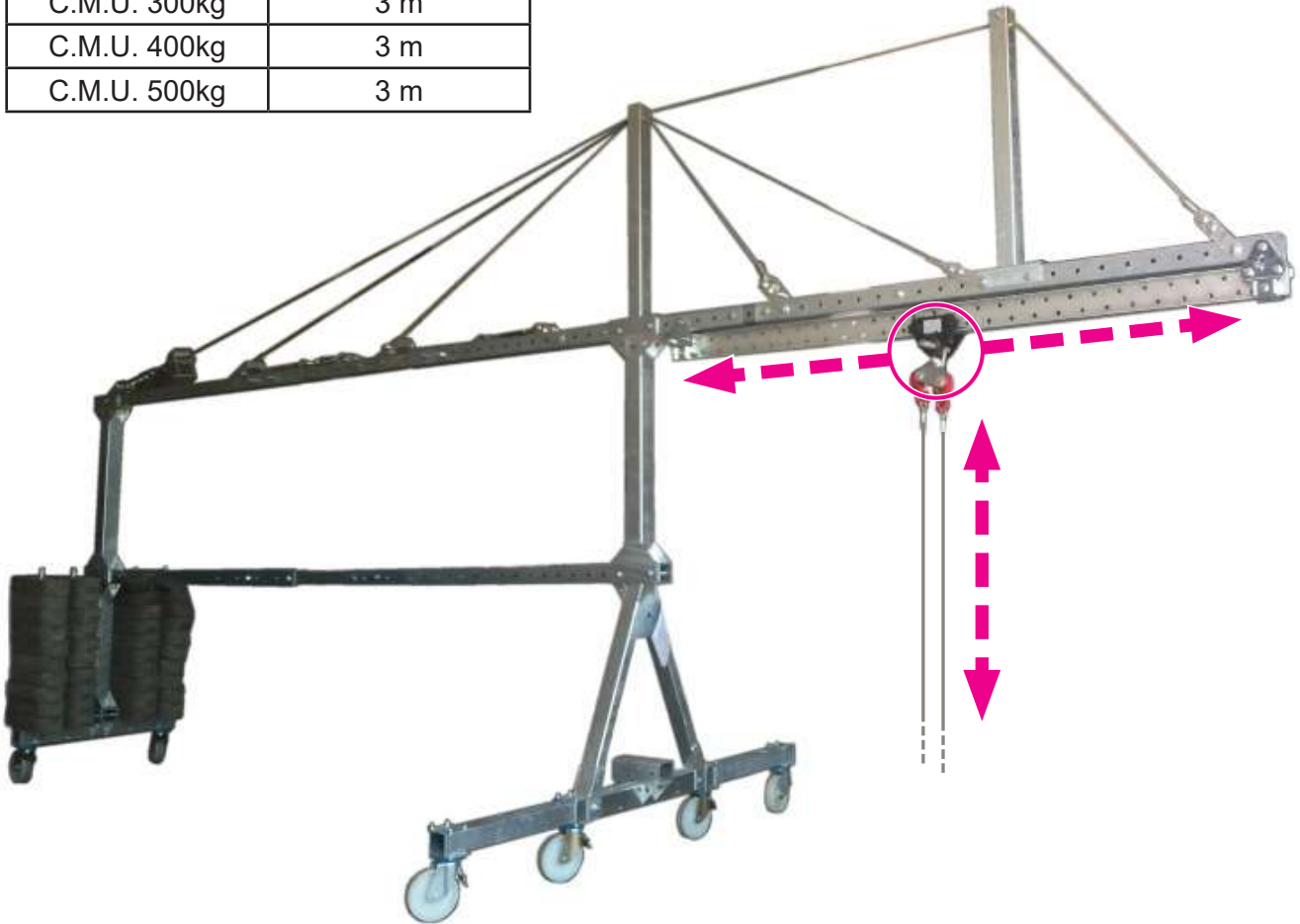
NOTE

Begin by assembling the davit in the desired configuration according to the desired overhang and height, following the instructions in the MI200033 instruction manual for the BRAKOO davit.

5.1-Beam rail kit mounting

The beam rail kit allows the hanging scaffold to carry out movement maneuvers along the arm of the davit, thus increasing the working length, without the need to move the davit. The following describes the assembly of the beam rail kit.

BEAM RAIL KIT	
Motor	Maximum overhang
C.M.U. 300kg	3 m
C.M.U. 400kg	3 m
C.M.U. 500kg	3 m



The components of the beam rail kit are those described in section 4.2 of this ANNEX II.

List of necessary materials:

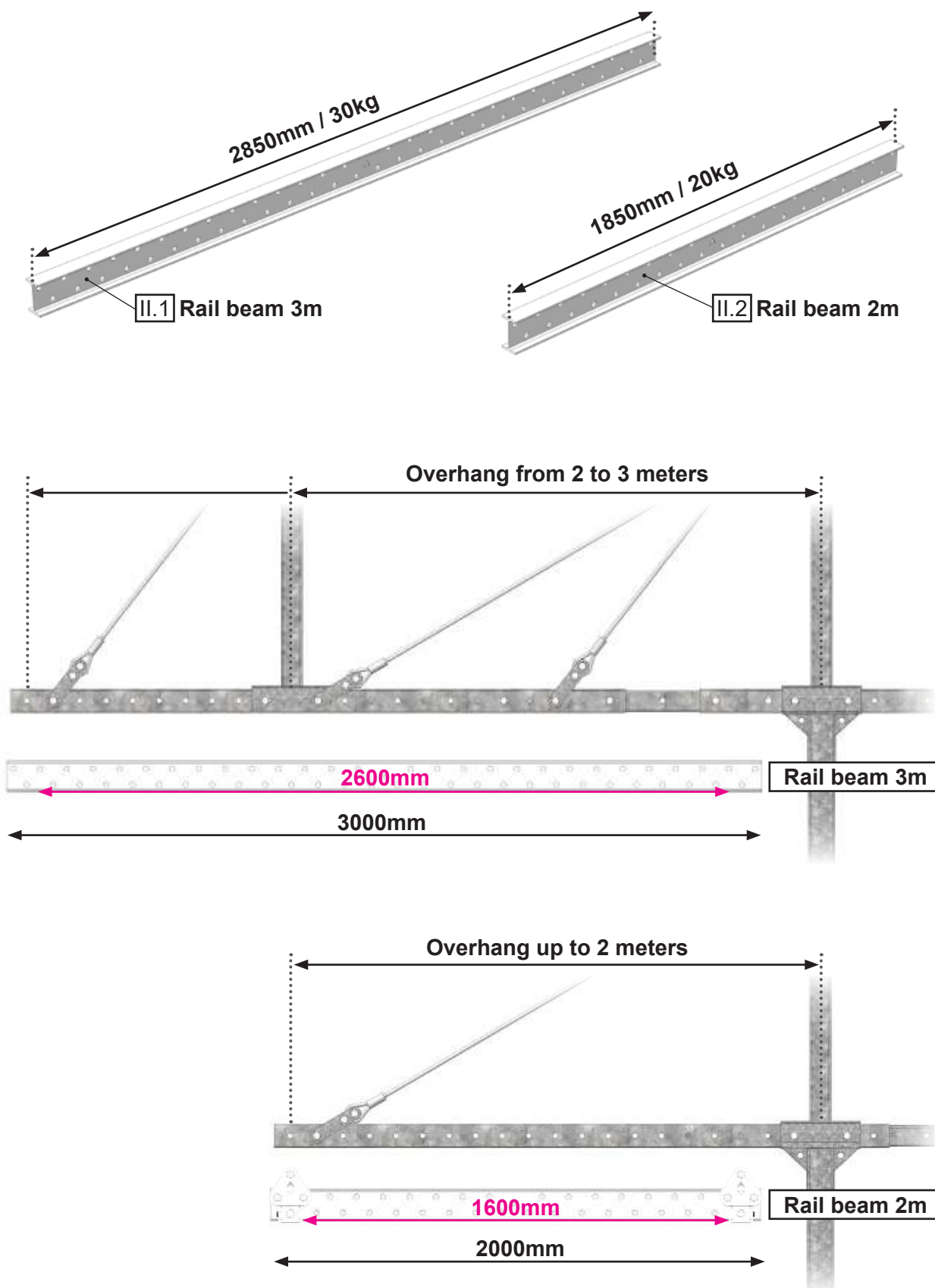
Fixed and ratchet wrenches for M18 hex screw, 2 people.

Hardware and tightening torque (refer to this list in the assembly description).

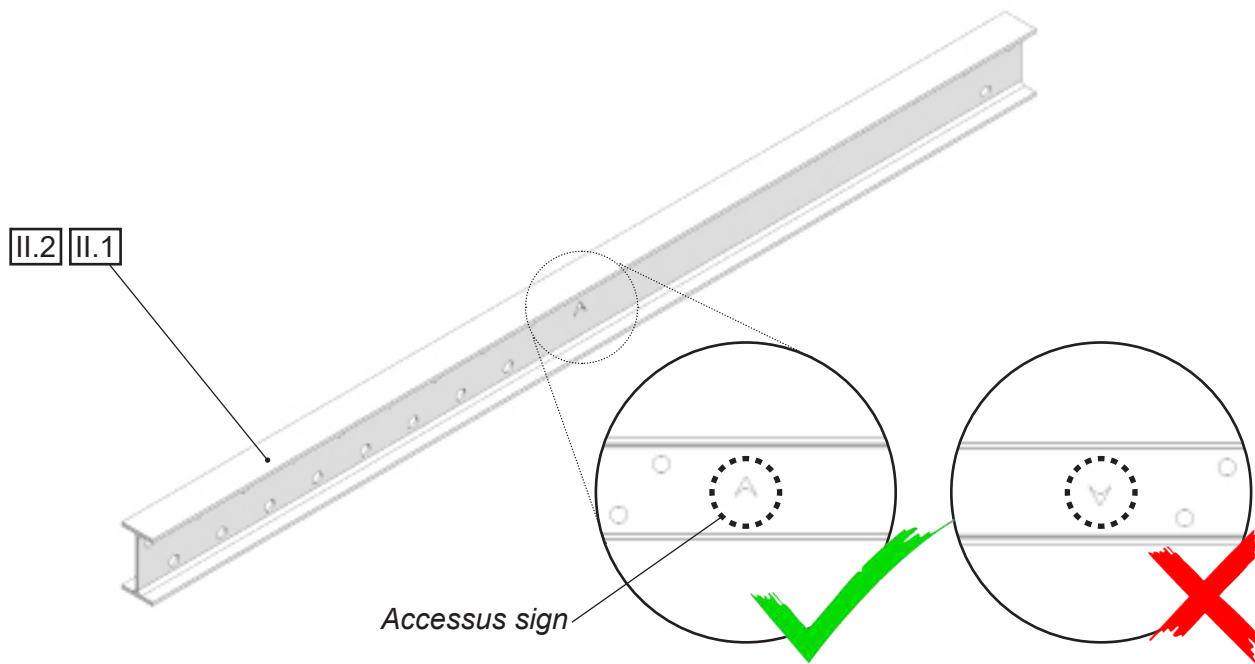
	DESCRIPTION	TORQUE	UDS.
T1	Screw DIN931 M18x100 8.8zn	220 Nm	2
T2	Screw DIN931 M18x140 8.8zn	220 Nm	6
T2	Nut DIN934 M18 8.8zn	220 Nm	8

First of all, the size of the rail beam must be selected. There are two models available, depending on the overhang configured in the davit and the required travel length:

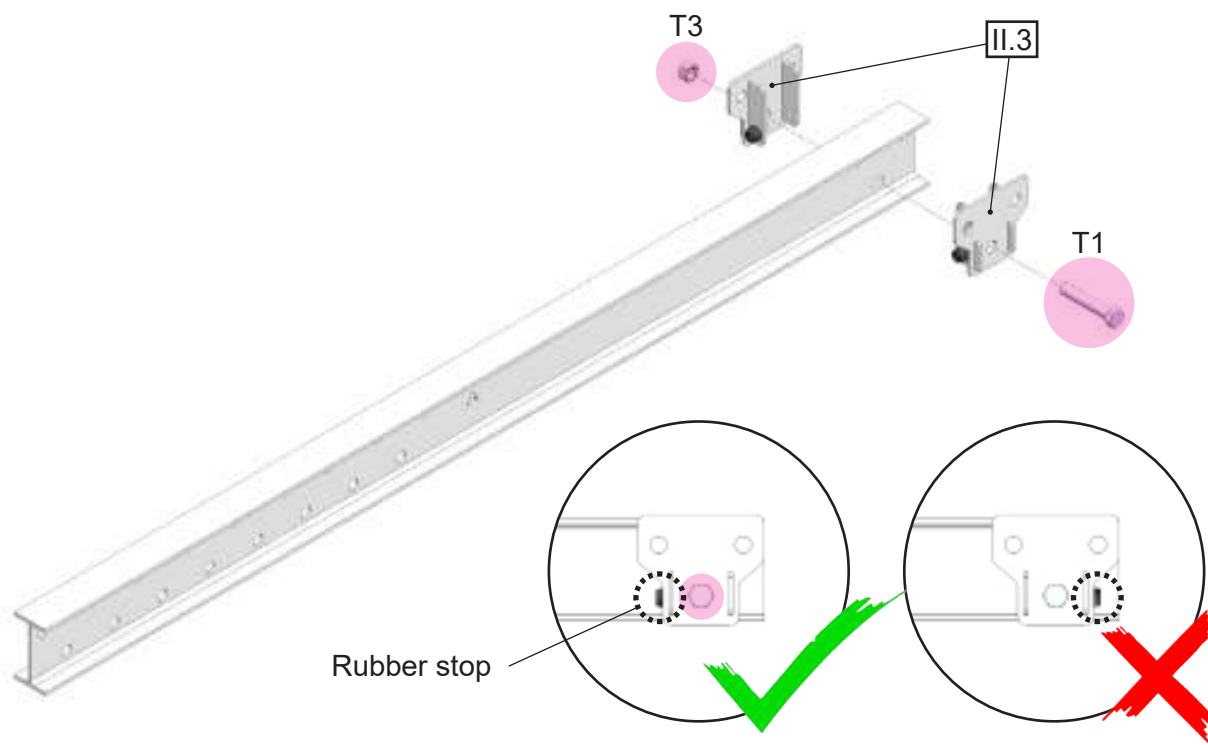
- Track beam 3m, for overhangs from 2 to 3 meters → Maximum displacement 2.6 meters
- Track beam 2m, for overhangs up to 2 meters → Maximum displacement 1.6 meters.



1-Place the rail beam (pos. II.1 or II.2) on the ground with the Accessus sign facing up.



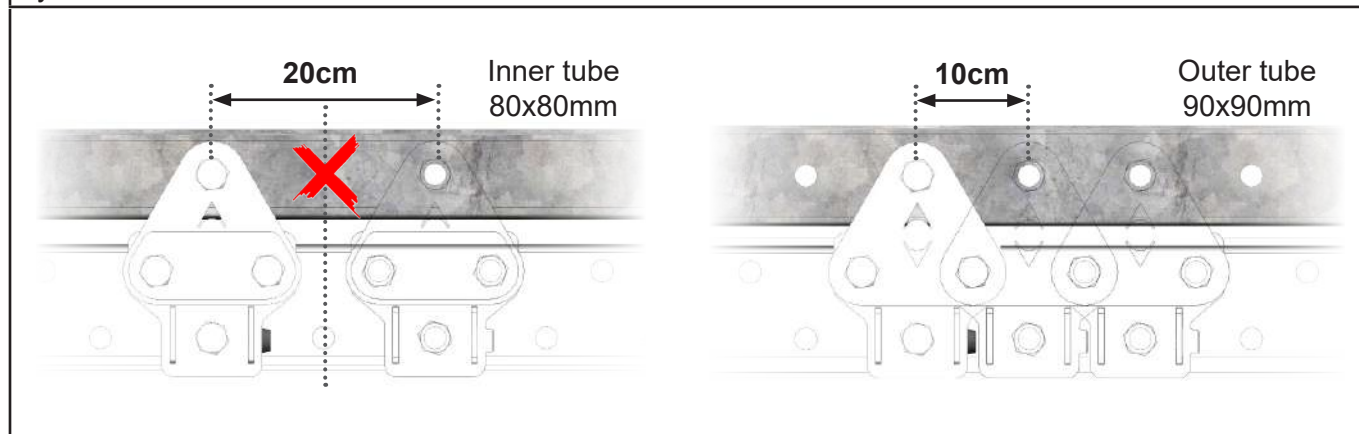
2-Place 2 fixings (pos. II.3) at the end of the “fixed” beam (the end with only 3 holes) and fix using 1 screw T1 + T3. Tighten until the fasteners press the web of the beam. Make sure that the rubber buffers are in the correct position on both fixings.



 **NOTE**

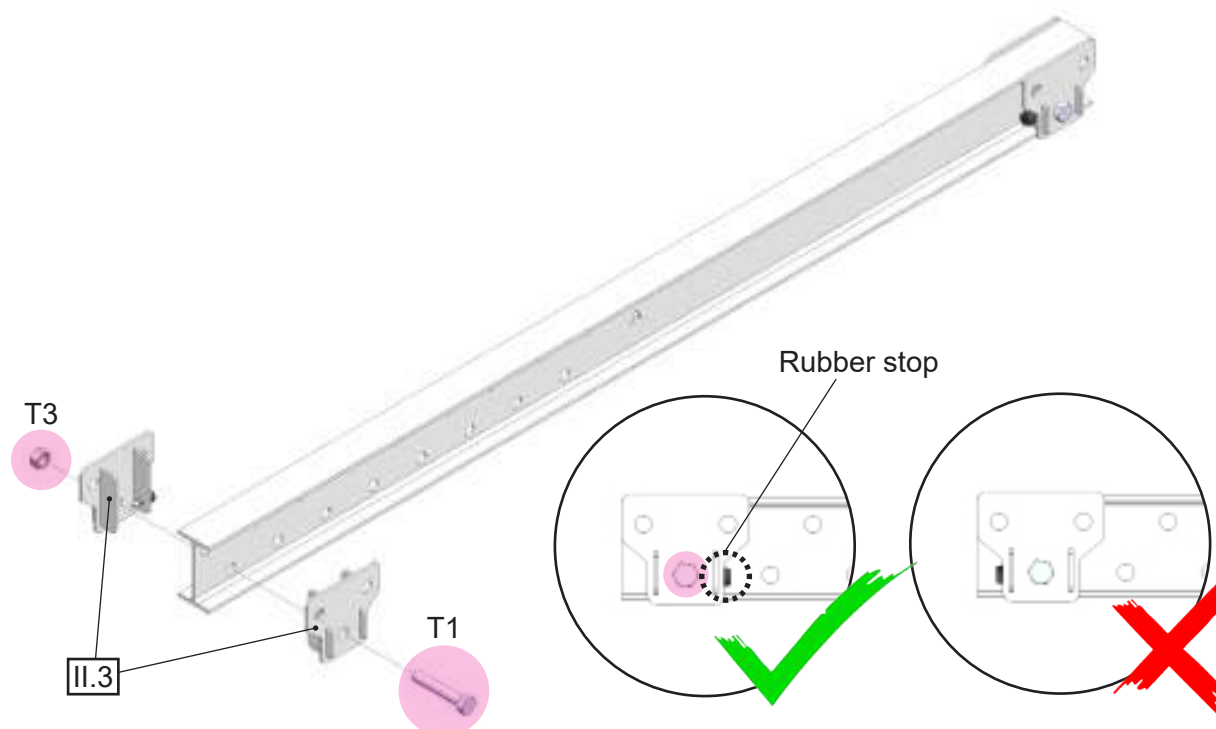
The beam rail kit is designed to adjust to the different configurations of the BRAKOO davits, being able to adjust its length in 10cm intervals.

Because the inner telescopic tubes of the BRAKOO davits have holes every 20cm, it is possible that depending on the configuration of the davit, we may have to adjust and reduce / extend the desired length by 10cm.



3-Place the other 2 fixings (pos. II.3) at the desired distance and fix using 1 screw T1 + T3. Tighten until the fasteners press the web of the beam.

Make sure that the rubber buffers are in the correct position on both fixings.

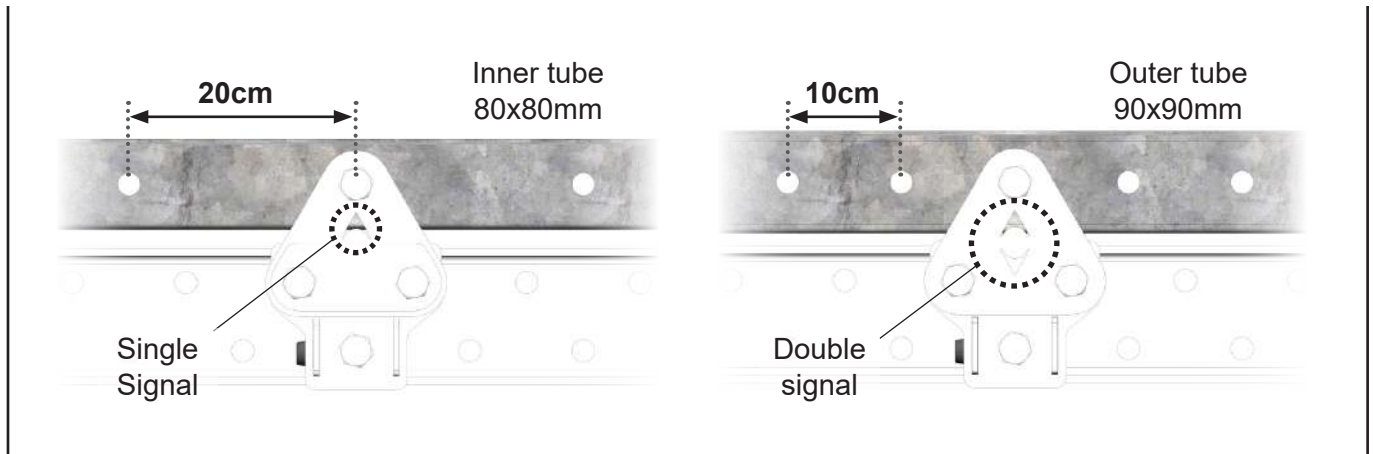


 **NOTE**

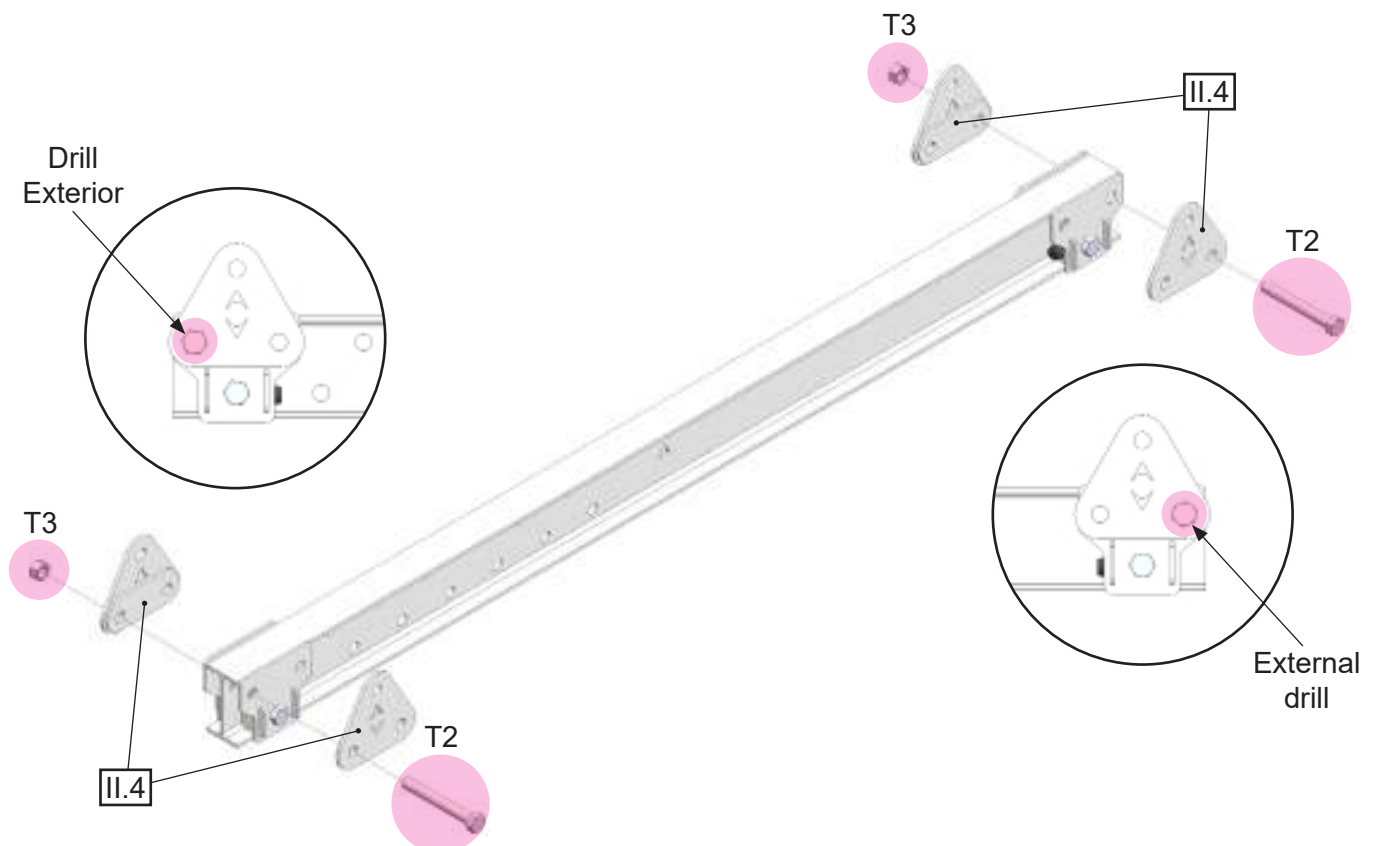
To adjust the anchors (pos. II.4) correctly to the beam, consider the following:

- When the anchor is positioned on an internal telescopic tube, with holes every 20cm, the side with the simple Accessus sign must be visible.
- When the anchor is positioned on an external telescopic tube, with holes every 10cm, the side with the double Accessus sign must be visible.

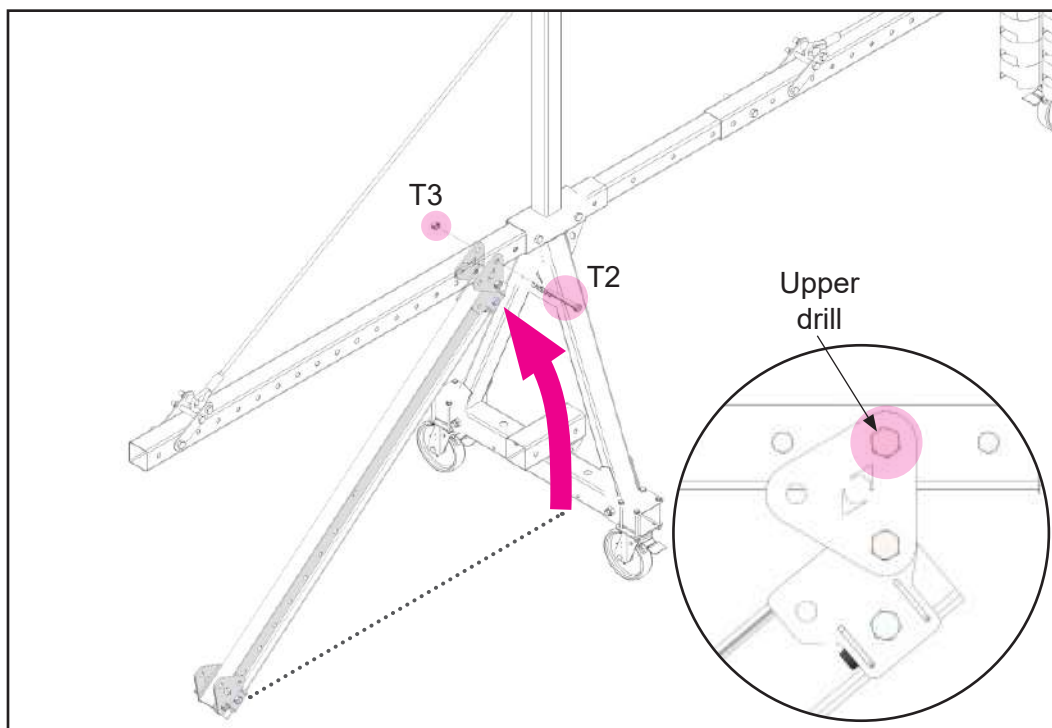
In this way the rail beam will be correctly supported.



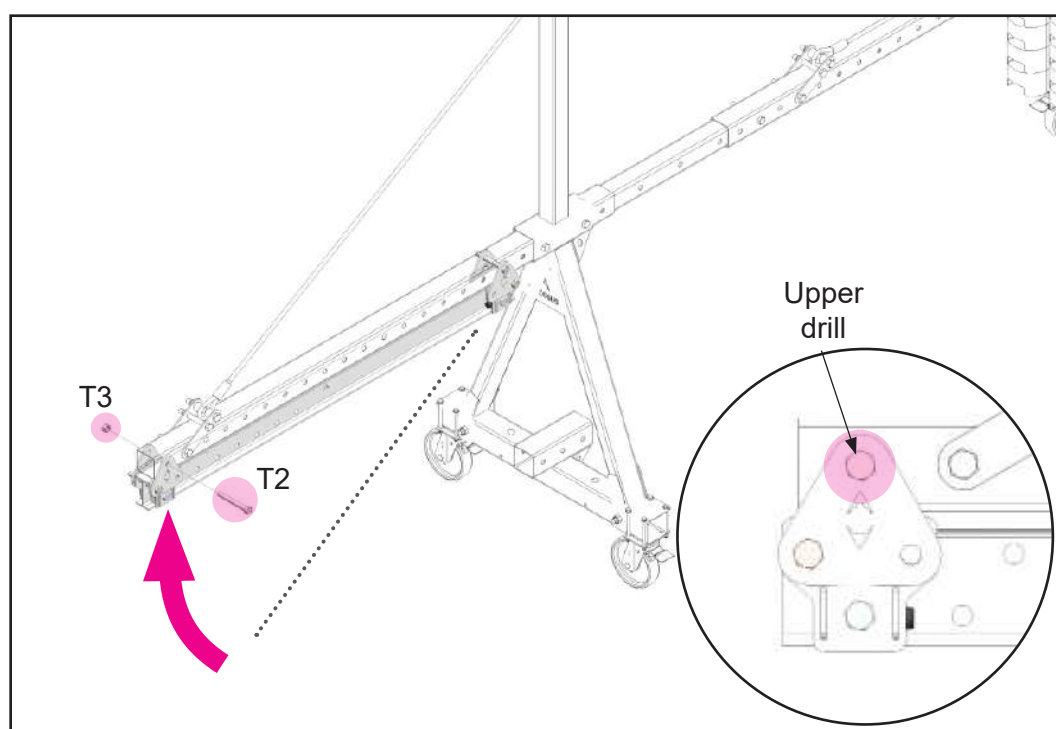
4-Position the 4 anchors (pos. II.4) with 1 screw T2 + T3 on each fixing, placing them through the external hole. DO NOT tighten yet.



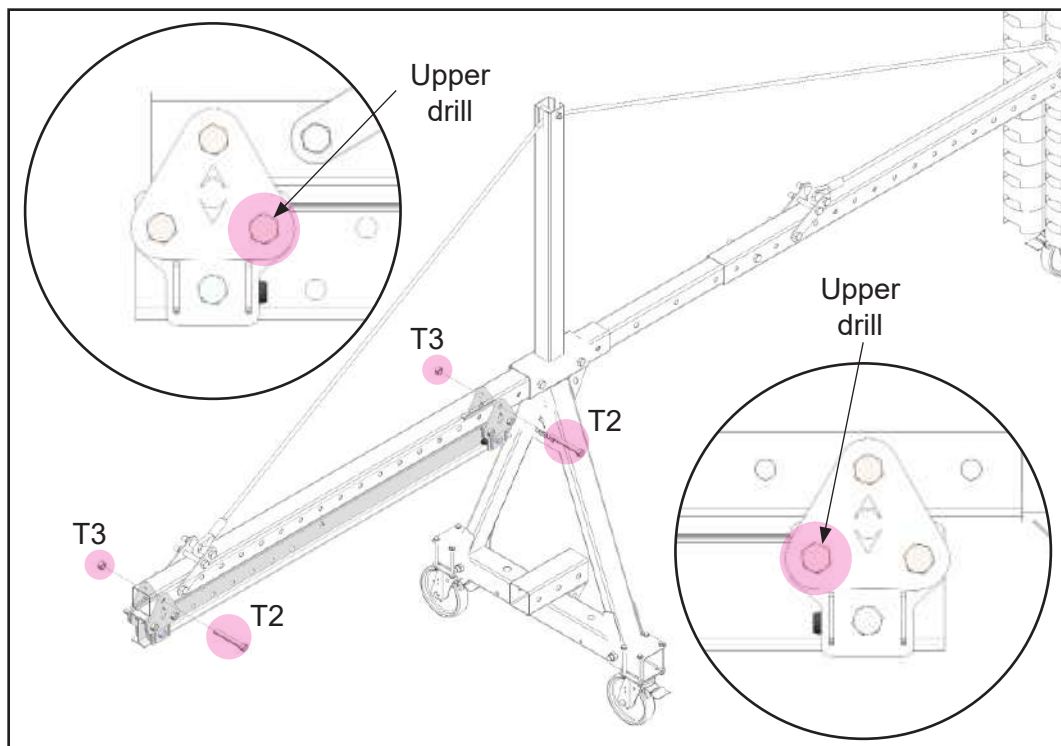
5-Raise the “fixed” end of the rail beam and fix it with 1 screw T2 + T3 through the upper hole of the anchor and the hole closest to the front leg of the BRAKOO davit.
DO NOT tighten yet.



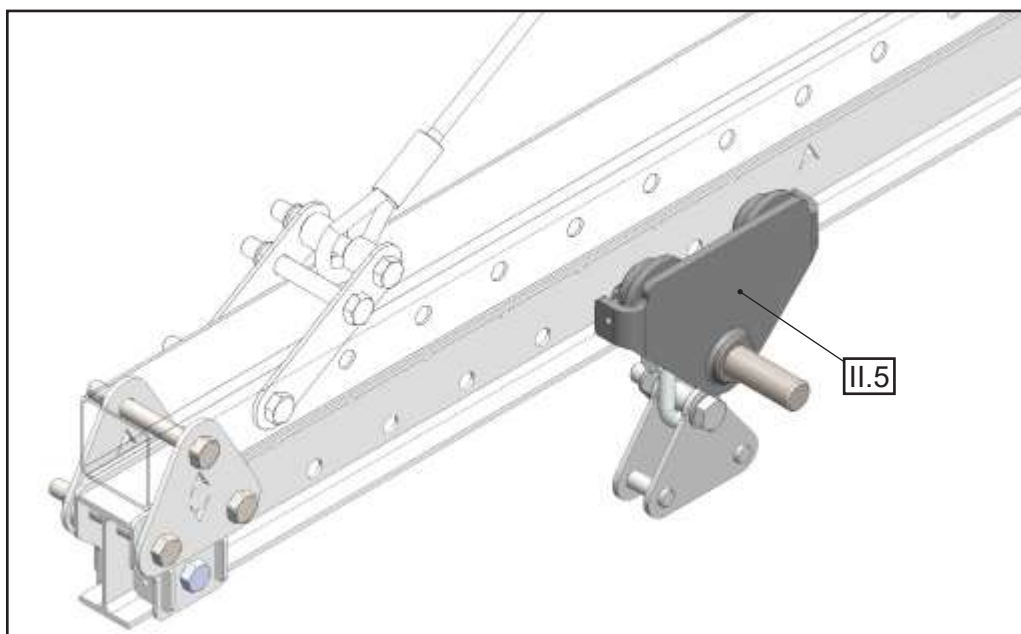
6-Raise the opposite end of the rail beam and fix it with 1 screw T2 + T3 through the upper hole of the anchor and the matching hole of the BRAKOO davit.



7-Position 2 screws T2+T3 through the inner holes of the anchors to fix the beam completely.
Tighten all the screws.



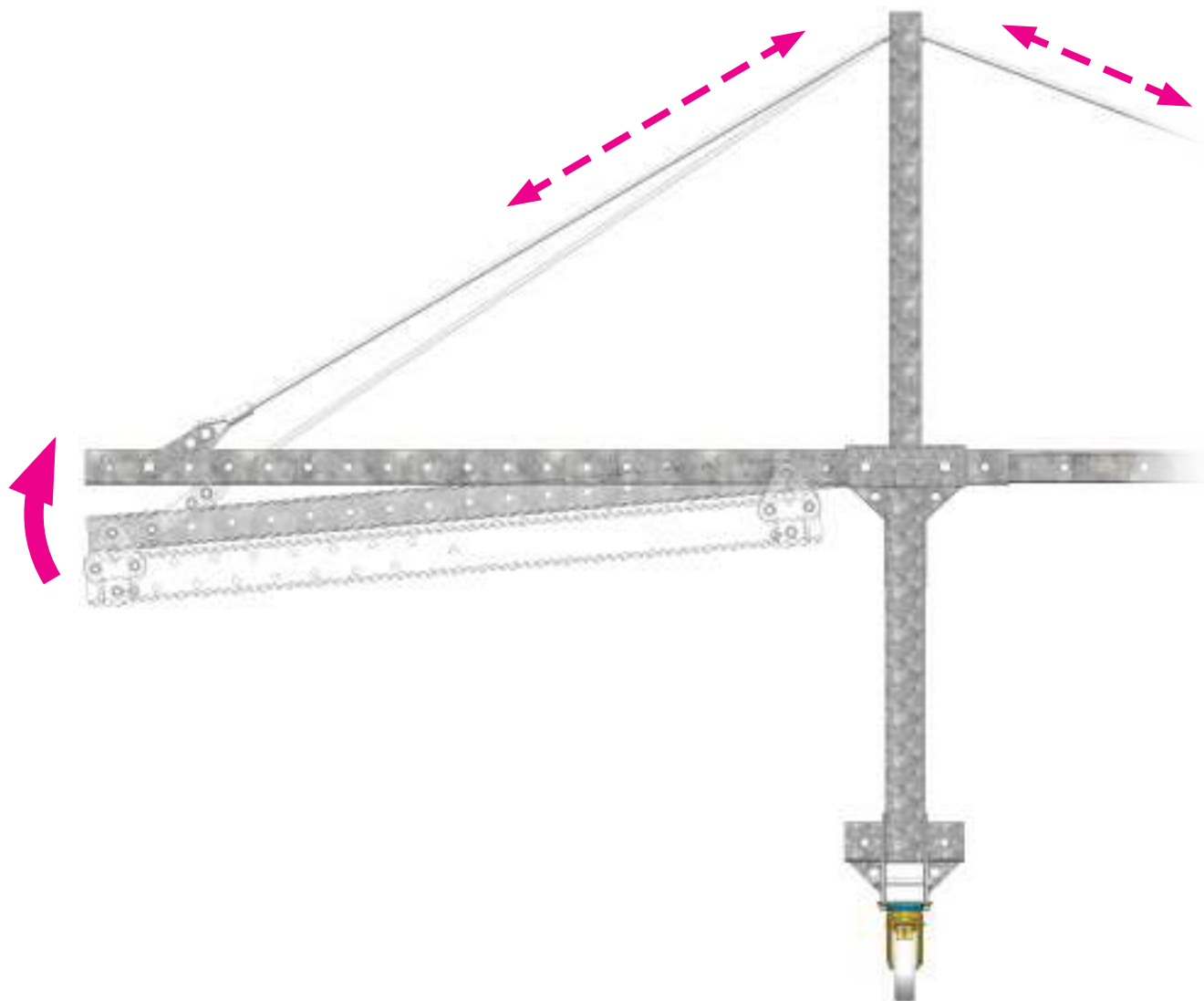
8-Place the trolley (item II.5).



5.2-Tilt adjustment

Due to the suspended loads, the davit arm experiences a slight tilt which makes it difficult to move the carriage.

In order to be able to move the trolley smoothly, the tension on the davit cables must be adjusted to make the arm completely horizontal.



NOTE

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



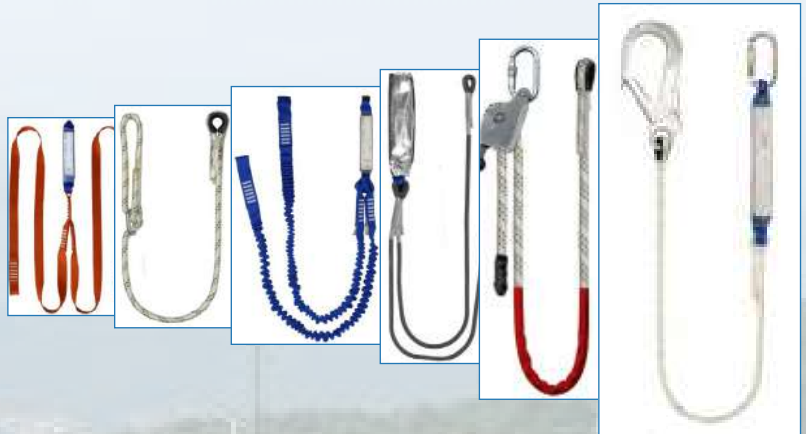
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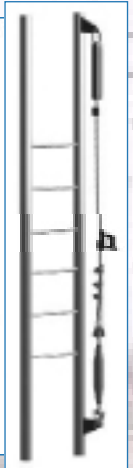
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