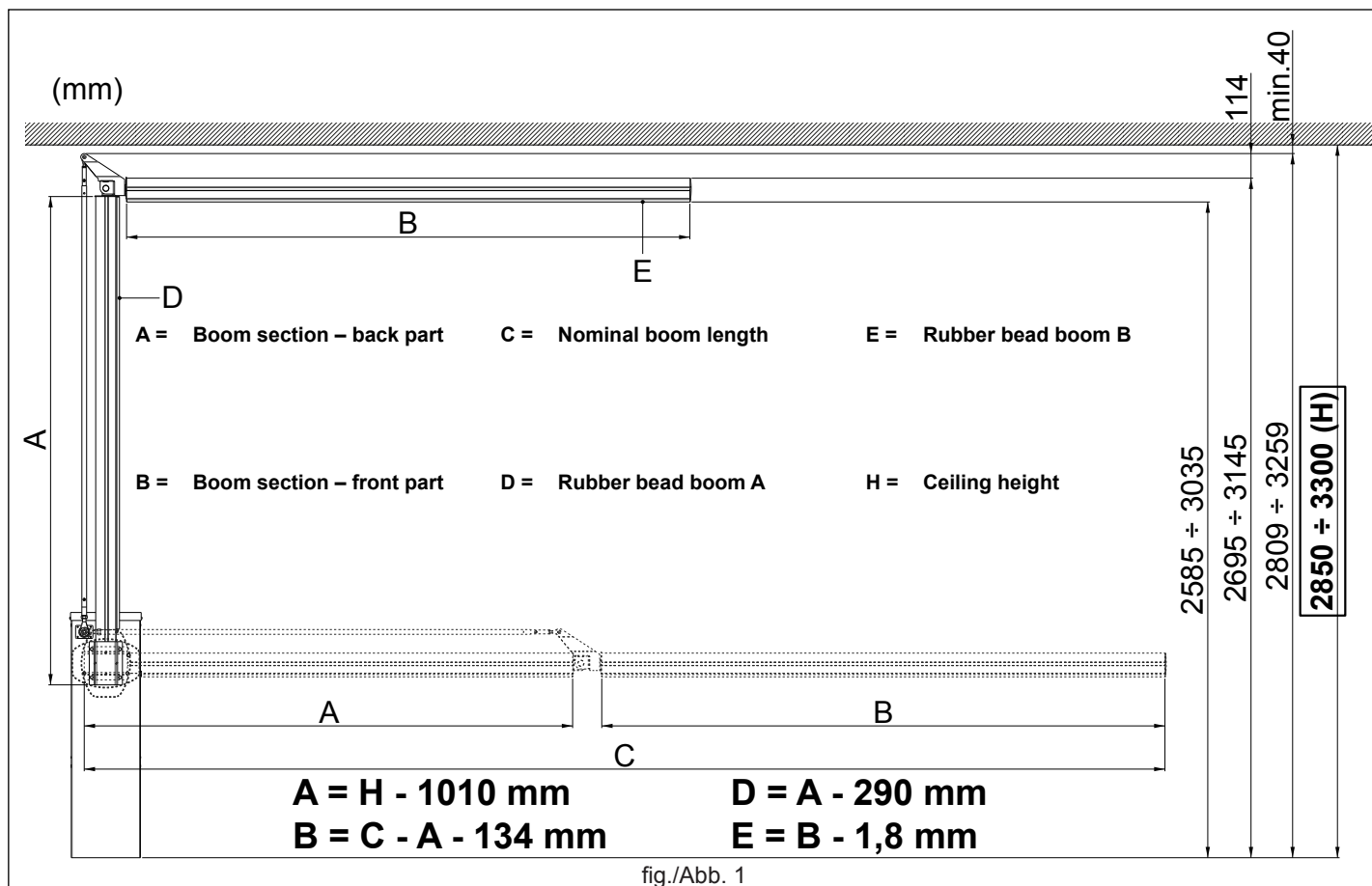


## JOINT FOR ELLIPTICAL BAR (RBLO-X)



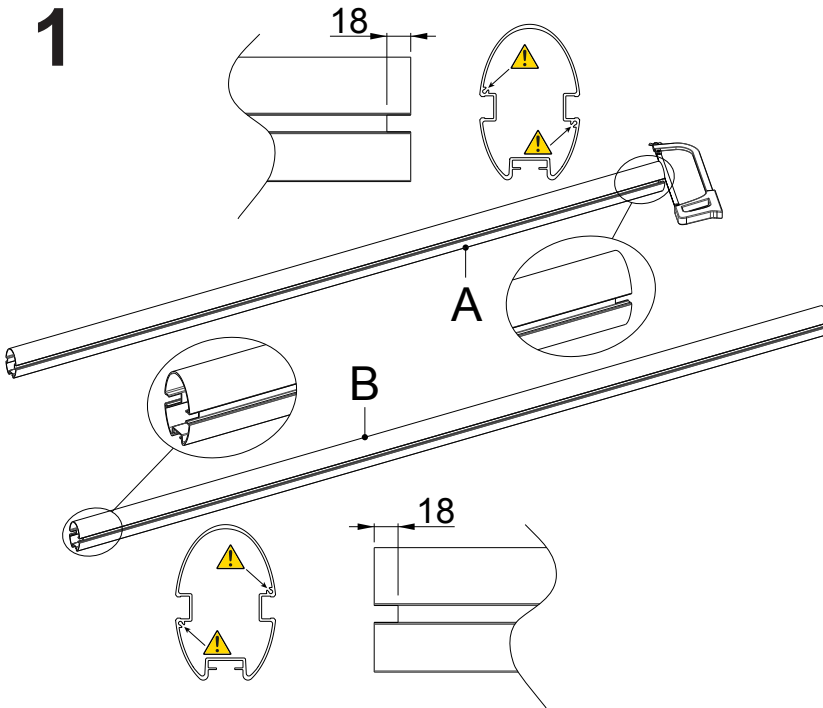
According to ceiling height and to picture # 1 define the length of the components (A, B, D, E) and cut accordingly.  
Note: Transparent LED cover profiles must be cut at the same length of their respective boom sections (A and B).

	<p><b>WARNING:</b> the bar section is NOT symmetrical. Flange connection side means the one in fig. A, cap side means the one in fig. B).</p>	<p>fig. A</p>	<p>fig. B</p>
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**WARNING: disconnect main power supply before proceeding with the installation.**



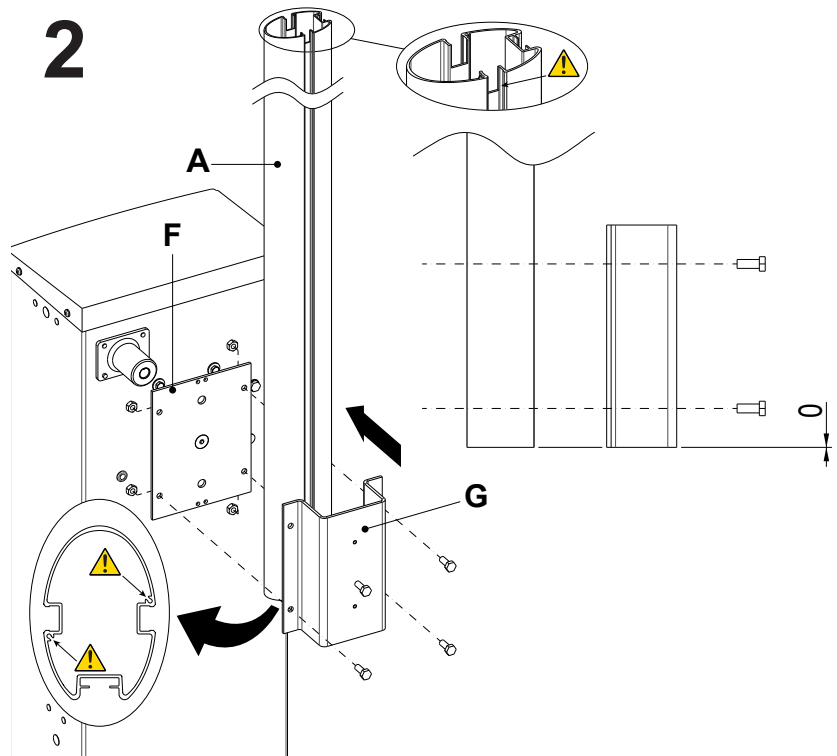
**1**



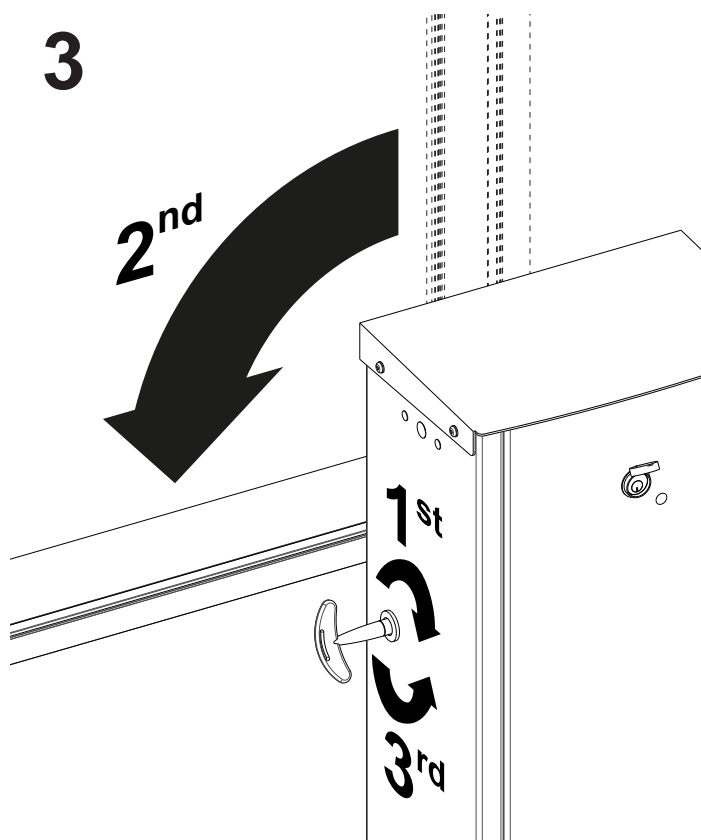
Using a hacksaw, prepare two grooves suitable for the passage of the LED-cable, one on the boom section A (cap side) and the other on the boom B (flange connection side), as shown.

**2**

Secure the boom section (A), flange connection side, to the barrier plate (F) through the omega-shaped plate (G). Align the boom to the omega-shaped plate (G) as shown.



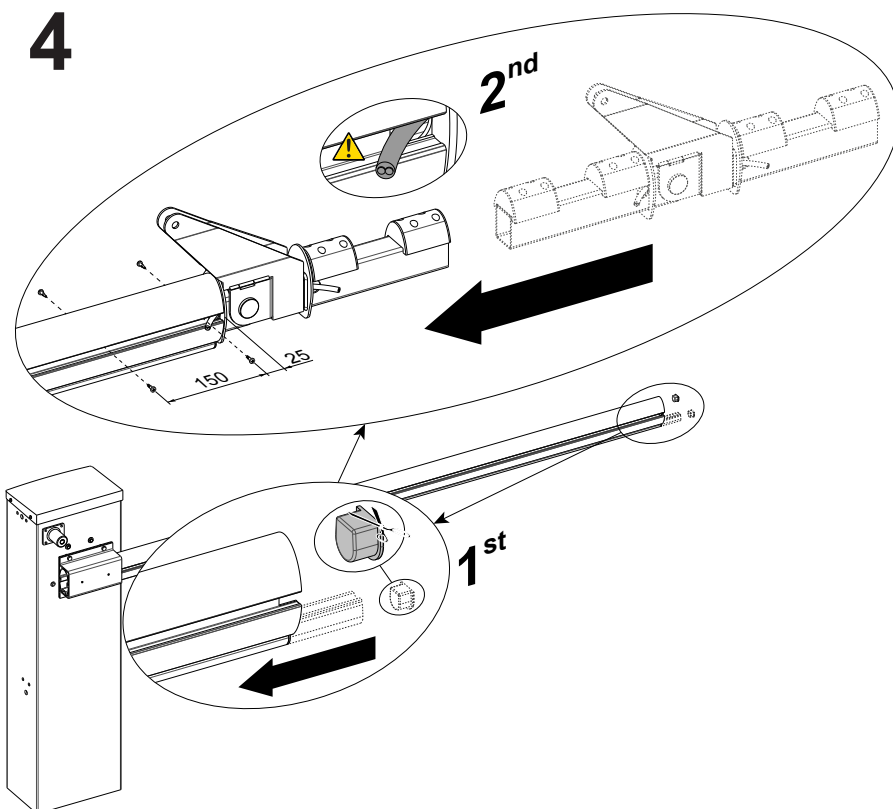
# 3

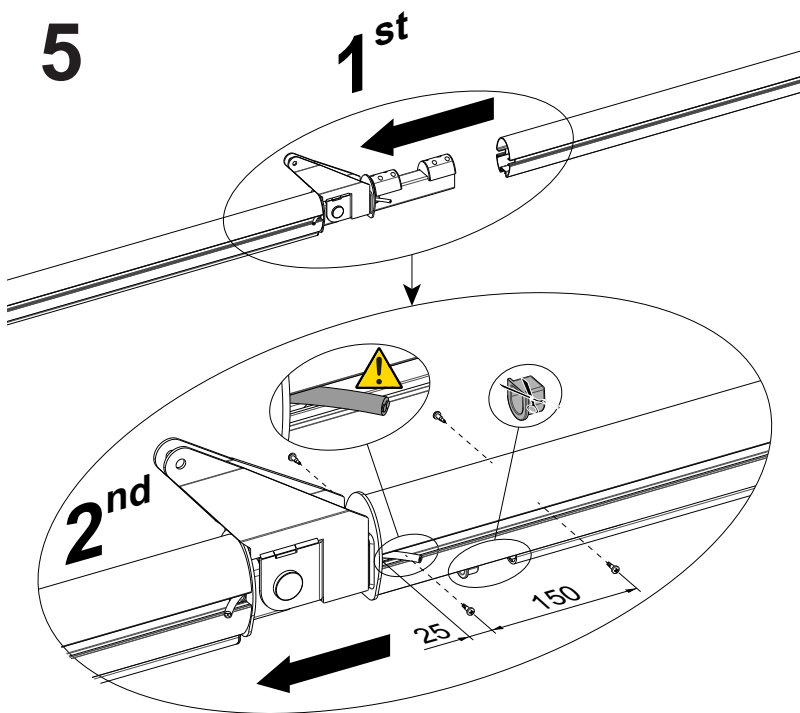


Using the Allen key supplied:  
 1 release the barrier;  
 2 lower the boom to a horizontal position;  
 3 re-lock the barrier.

# 4

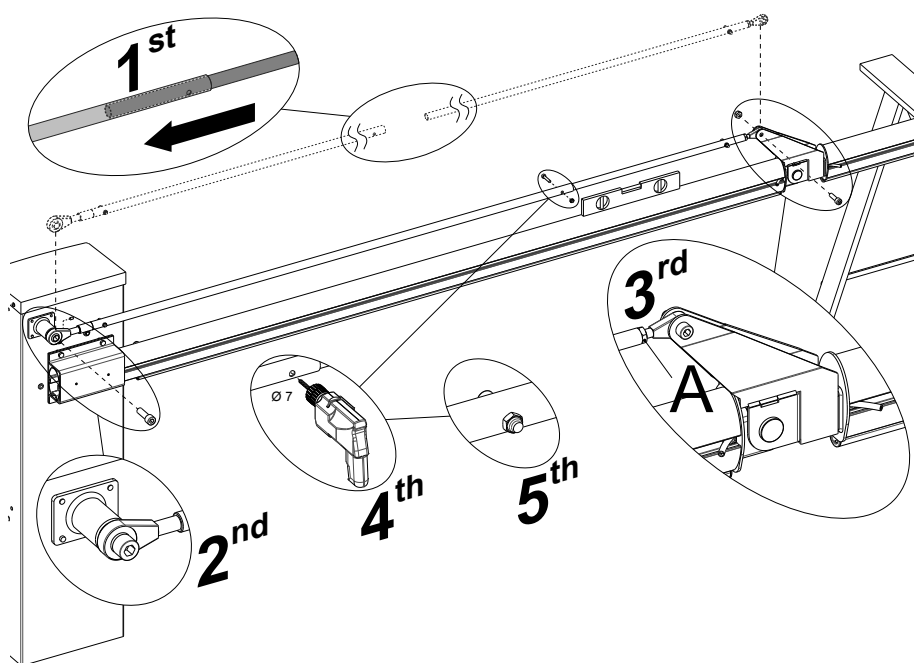
Insert the rubber bead, previously cut to size (size: A – 260 mm), into the boom section A with its cap, which must be cut in its upper side. Insert the boom joint completely into the boom section A, paying attention to the LED-cable extension provided with the joint, then secure it using the stainless steel screws 3,5x13 supplied.





Insert the boom section B completely onto the boom joint, paying attention to the LED-cable extension provided with the joint, then secure it using the stainless steel screws 3,5x13 supplied. Insert the rubber bead, previously cut to size (size: B- 1,8 mm), into the boom section A with its caps. The cap on the flange connection side must be cut in its upper side.

6

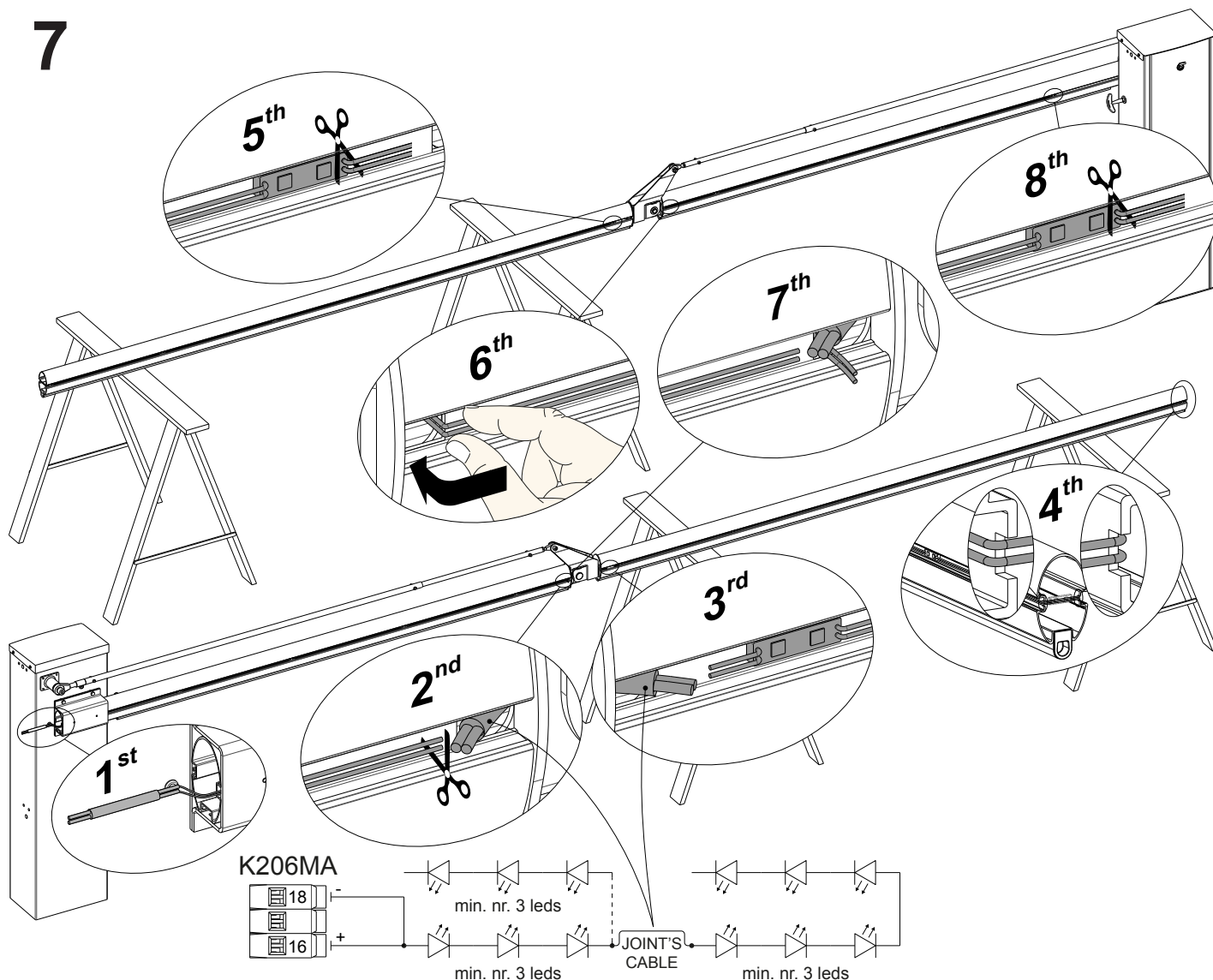


With the help of one or more trestle supports and a spirit level proceed as follows:

- 1\_ assemble the tie-rod sections inserting the smaller into the bigger one;
- 2\_ lock the terminal of the tie-rod (barrier side) to the anchoring plate attached to the barrier cabinet with the screw M16x50 and the set screw M6x10 supplied;
- 3\_ lock the terminal of the tie-rod (barrier side) to the boom joint, using a screw M10x35 and a matching nut (supplied);
- 4\_ holding the screw in a horizontal position (check with a spirit level), drill a hole in the smaller tie-rod section;
- 5\_ secure the tie-rod sections using a screw M10x35 and a matching nut (supplied).

**Note:** the complete tie-rod can be adjusted in length  $\pm 1$  cm removing it and acting on the nut A.

# 7



Lay now the LED-cable, keeping in mind that:

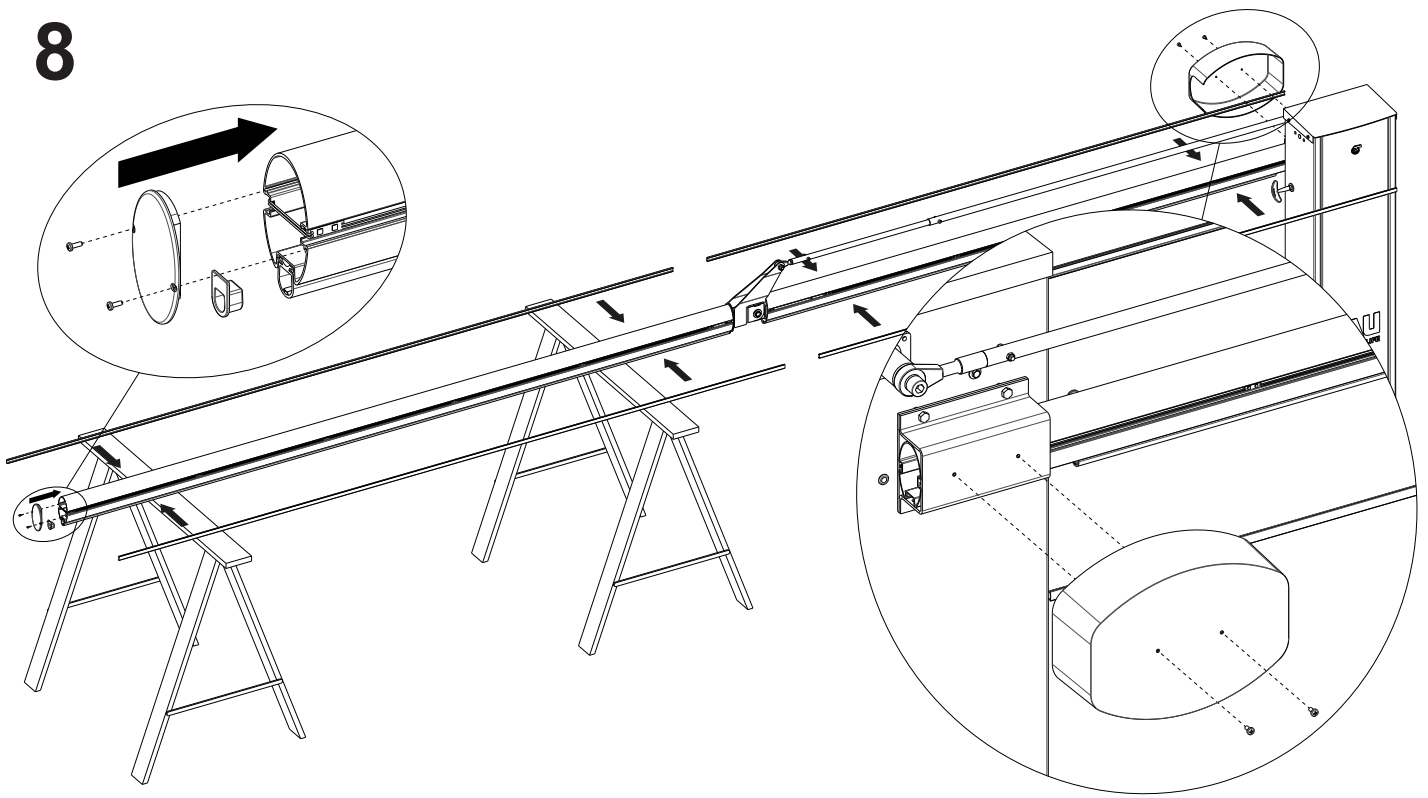
*Grey led wire = positive*

*White led wire = negative*

**Note: apply at least 3 LEDs for each side of both boom sections.**

- 1\_ start laying the LED-cable as shown in picture 9;
  - 2\_ once close to the LED-cable extension of the joint, cut the LED-cable leaving the wires long enough for the connection;
  - 3\_ connect the LED-cable to the other end of the extension (AFTER the joint);
  - 4\_ slide the LED-cable through the grooves before the boom cap;
  - 5\_ once close to the boom joint, cut the LED cable and wrap the bare wire securely;
  - 6\_ slip the LED-cable into the boom groove;
  - 7\_ connect the LED-cable (both cables from both sides) to the cable extension provided with the boom joint;
  - 8\_ slide the LED-cable along the boom, cut the LEDs in excess and wrapping the bare wire securely.
- Refer to the barrier and controller instructions for the electrical connection of the LED cable (1/red = positive, 2/black = negative).

# 8



To complete the installation mount the boom cap with the screws supplied, snap the transparent LED cover profile (previously cut to size) into place using finger pressure alone and finally attach the boom plate cover using the screws provided.  
To balance the boom, set-up and electrical connections refer to the instruction manuals of RBLO-X barrier and K126MA controller.

In case of low ceiling, it is possible to cut both tie-rod sections by 500 mm.

New limits (see picture #1, H) will then be 2350 ÷ 2800. Due to the lighter boom, please refer to the cart below for spring choice and adjustment.

SPRING		E)		M-0600LUXE000 (ø 9 mm) Color: Yellow RAL 1004		
BAR AND ACCESSORIES	RBLO-X	BAR LENGTH				
		2 m	2,5 m	3 m	3,5 m	4 m
		-	-	E***	E**	E*

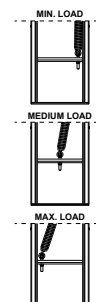
\* Eyelet in the max. load position

\*\* Eyelet in the medium load position

\*\*\* Eyelet in the min. load position



The drilled beam allows to determine different maximum loads (in relation to the length of the bar and accessories applied) in the various positions (the nearer to the vertical, the lower the maximum load).



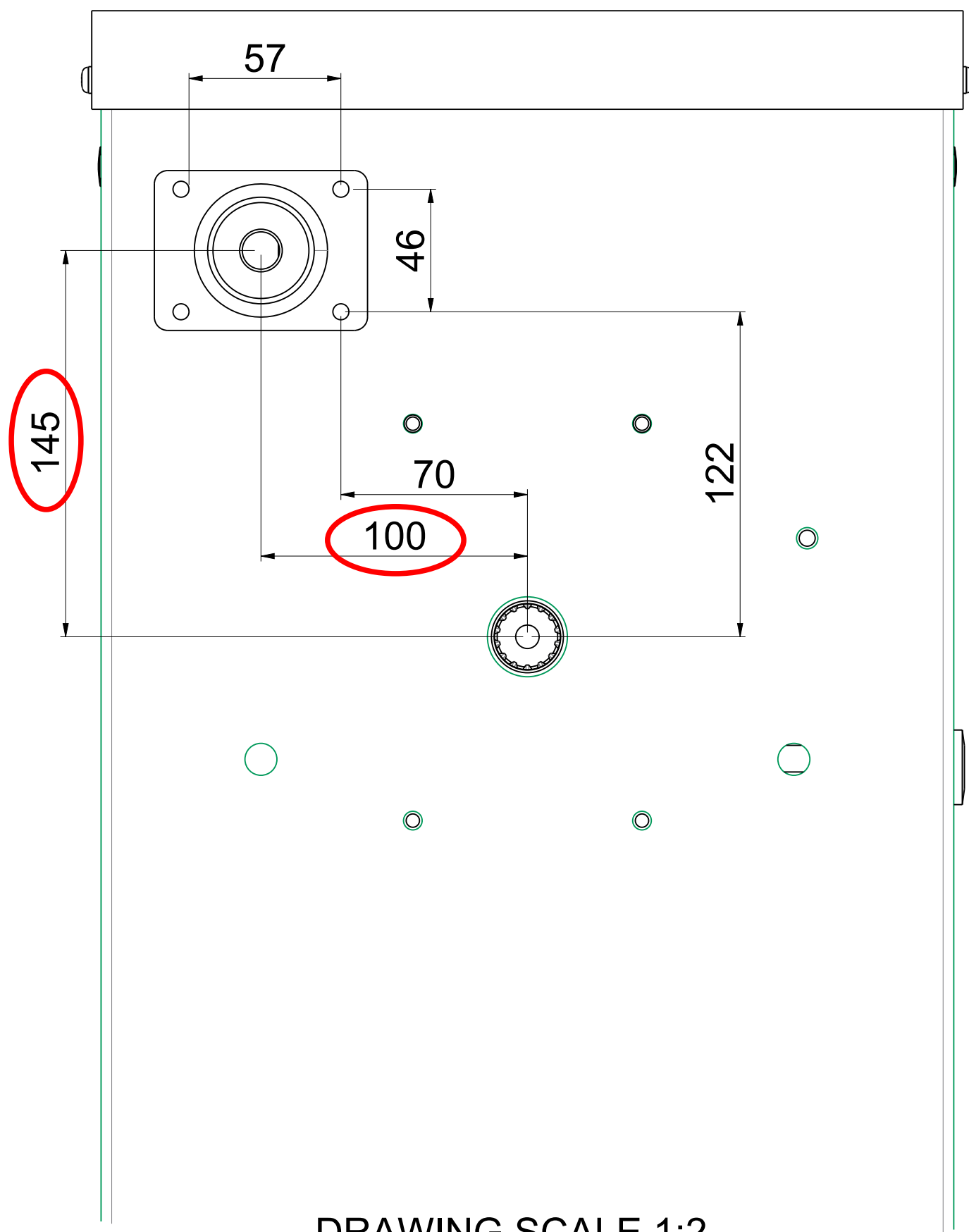
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Position of the anchoring plate for a right hand boom gate.

If your boom gate is a left hand the plate is installed on the opposite side but using the same measurements.

NOTE: The measurements circled in red are the critical measurements.



DRAWING SCALE 1:2  
Measures in mm