

EX-ALU PROFILE ASSEMBLY

1.) Use tempered, 6mm thick glass or plastic for the LED frame set.
2.) You need a minimum of two stretching screws for the Hanging LED frame. Stretching screws need to be laid out no more than 16.6cm apart and no less than 3cm apart from the ends of the horizontal glass edge (to which edge the profile is mounted)
- 2a.) You need a minimum of 2 stretching screws for the Supporting LED frame. Stretching screws must be laid out no more than 16.6 cm apart and no less than 3cm apart from the ends of the vertical glass edge (to which edge profile is mounted) If the length of the vertical glass edge exceeds 18cm, the additional stretching screw must be always inserted 8 cm below the first top screw.
3.) Stretching screws must be tight, but at the same time not overpowering the thread and not damaging the hexagon of the screw top.
4.) In the Hanging LED frame set, the length of the vertical glass edge cannot exceed 51cm.
- 4a.) In the Supporting LED frame set, the length of the horizontal glass edge cannot exceed 51cm and the length of the vertical edge cannot be less than the number calculated by dividing the length of the horizontal edge by a standard number – 1.7 (example: the length of the horizontal edge – 51cm , divided by 1.7 equals 30cm). The calculation gives us the shortest, possible length of the vertical glass edge.
Example 2: length of the horizontal glass edge – 21cm, divided by 1.7 equals 12.4cm. This is the length of the shortest possible vertical glass edge, if the horizontal edge is 21cm.
5.) In both LED frame sets (hanging and supporting) the length of the profile cannot be shorter than the length of the glass edge to which the profile is mounted.
6.) Assembled frame sets can be mounted to the desired surface by inserting the mounting screw tops into the holes drilled in the mounting slit of the frame. Slide the profile until it reaches the stretching screws. It is very important that the distance between the holes and the stretching screws is as long as possible.
7.) In the frame set mounted accordingly in nr. 6 , screw tops should be set up to provide maximum possible friction while sliding the profile.
8.) Type of the mounting screws may vary depending on the surfaces to which the frame is mounted.
9.) When assembling EX-ALU frame sets, above rules and instructions should be followed. They are also available in an illustrated form on our website or on CD. We can also send the instruction in a written form via email or regular mail.
10.) KLUS company also offers free consultations regarding frame set assembly and mounting.

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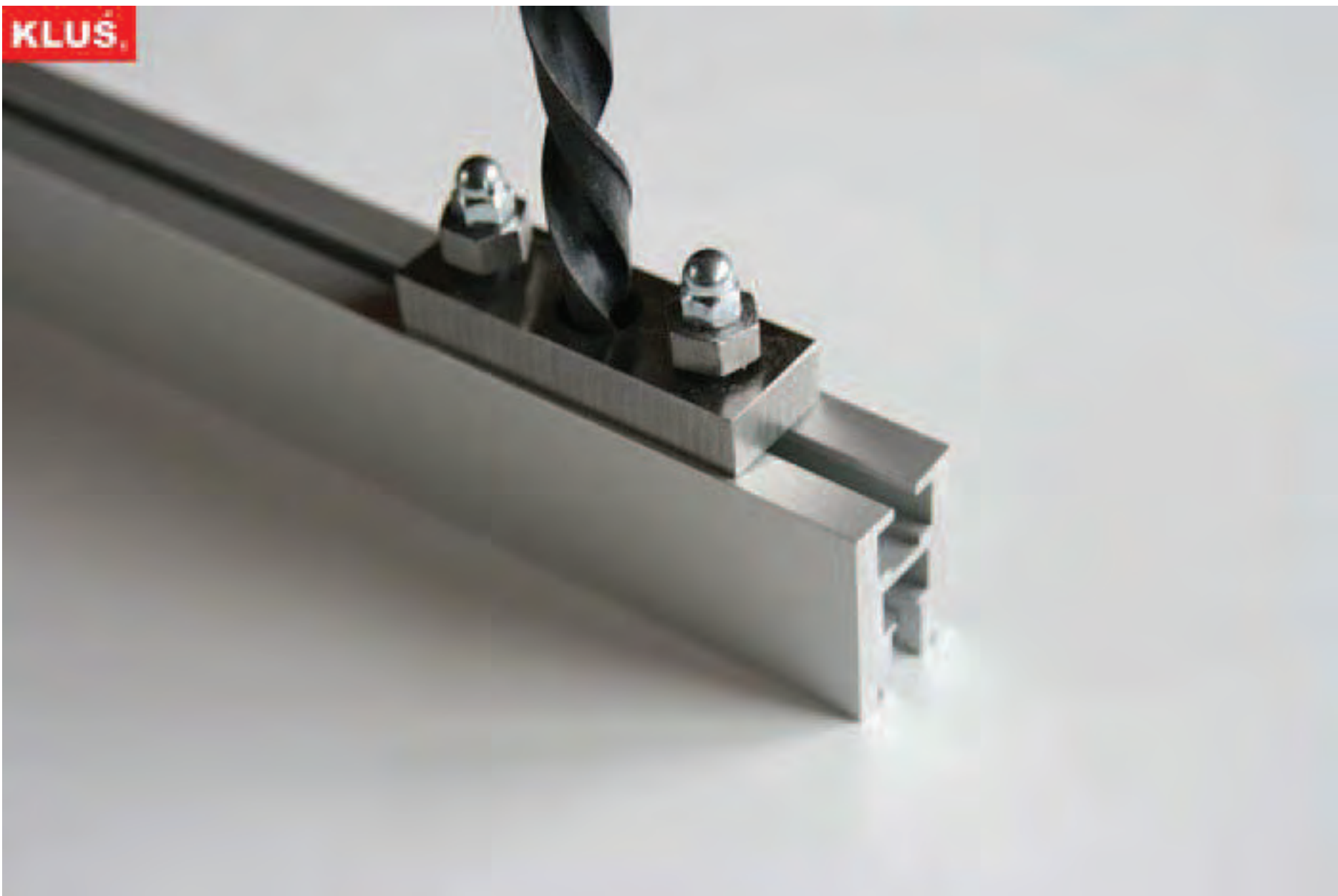
Helping tool - used when drilling holes in the mounting slit of the frame - EX-ALU profile.

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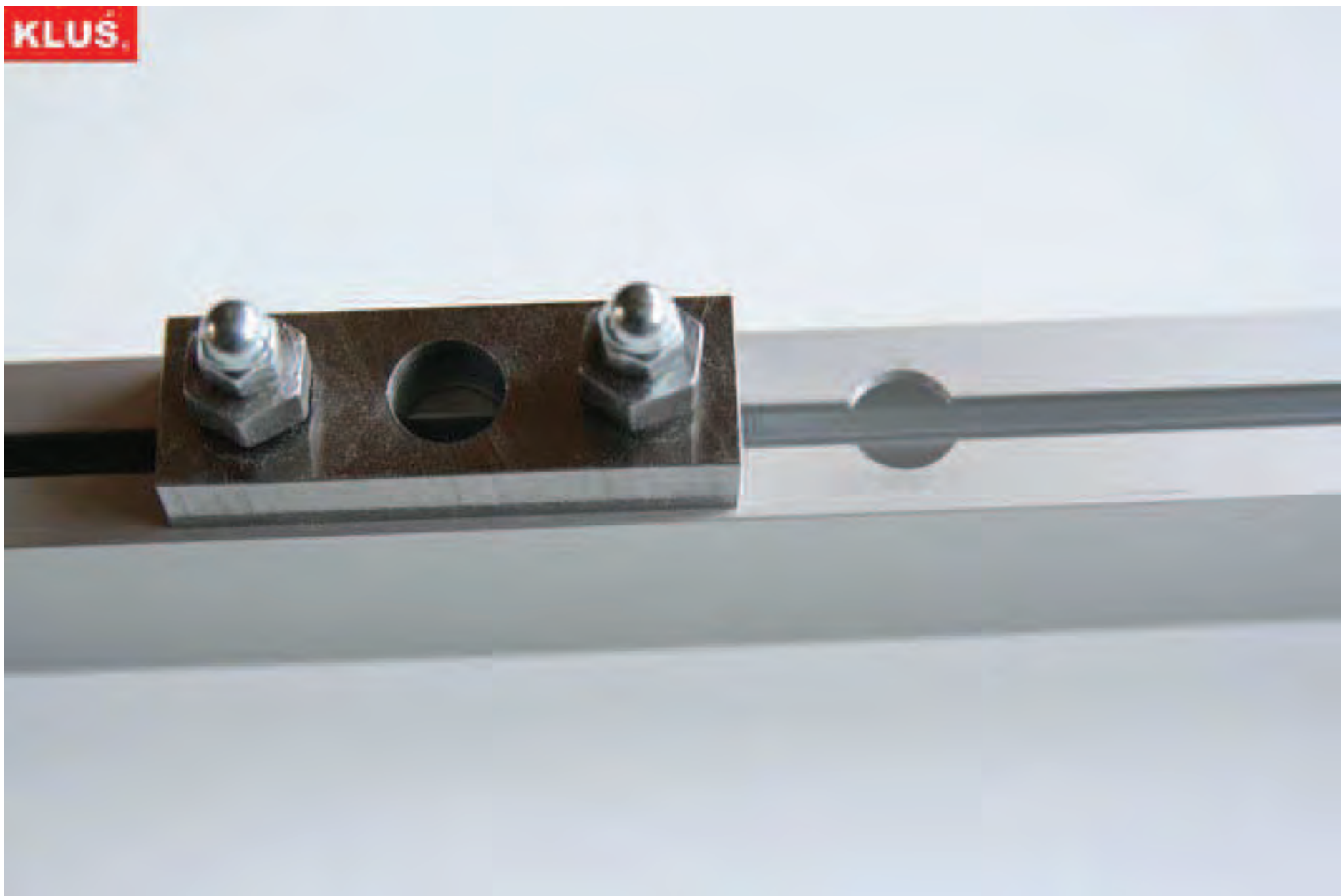


Mount helping tool to the profile by inserting the screw tops into the mounting slit. After the tool is placed in the desired spot manually tighten up the screws.

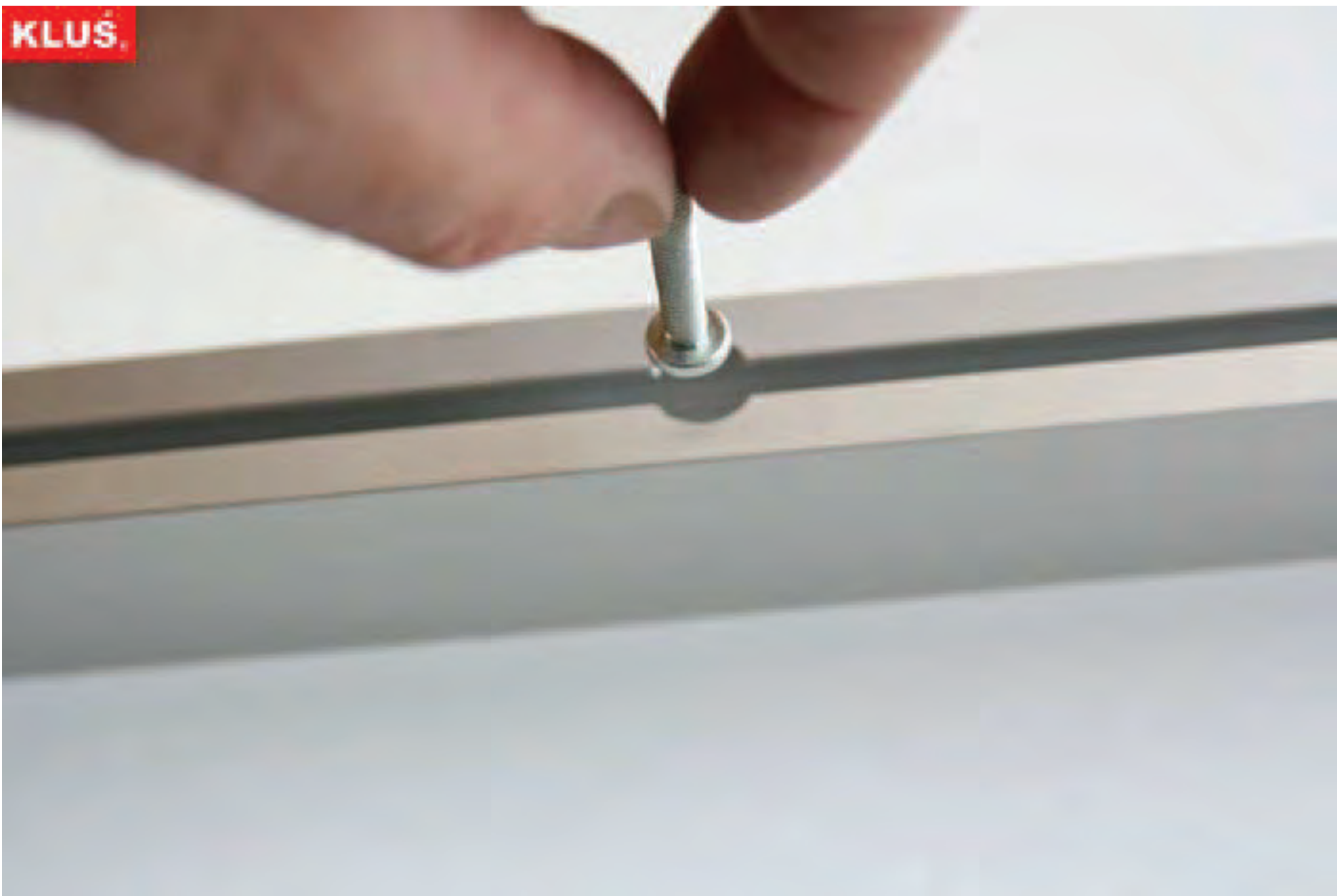
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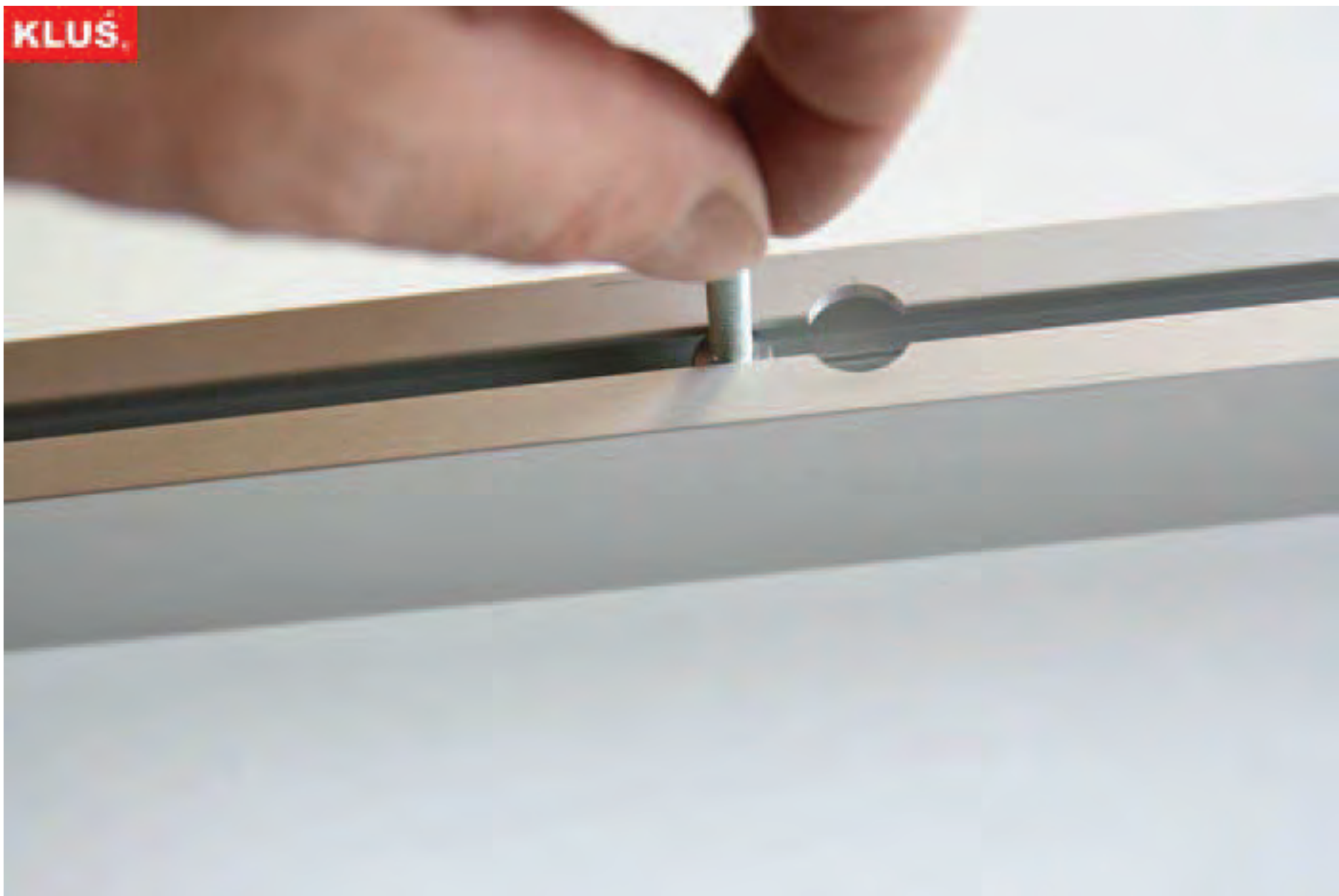
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Screw the mounting screws into the surface to which the profile will be mounted. The screw top diameter cannot be more than 12mm and less than 9mm. Mount the profile by inserting the mounting screw tops into the holes drilled in the mounting slit of the frame. Slide the profile down until it reaches the stretching screws. Holes drilled in the mounting slit need to be laid out properly so that the distance from the hole to the stretching screw is as long as possible. How tight the profile fits the surface depends on how deep the mounting screws are screwed into that surface. Tightness can be regulated by adjusting the distance between the screw tops and the surface.

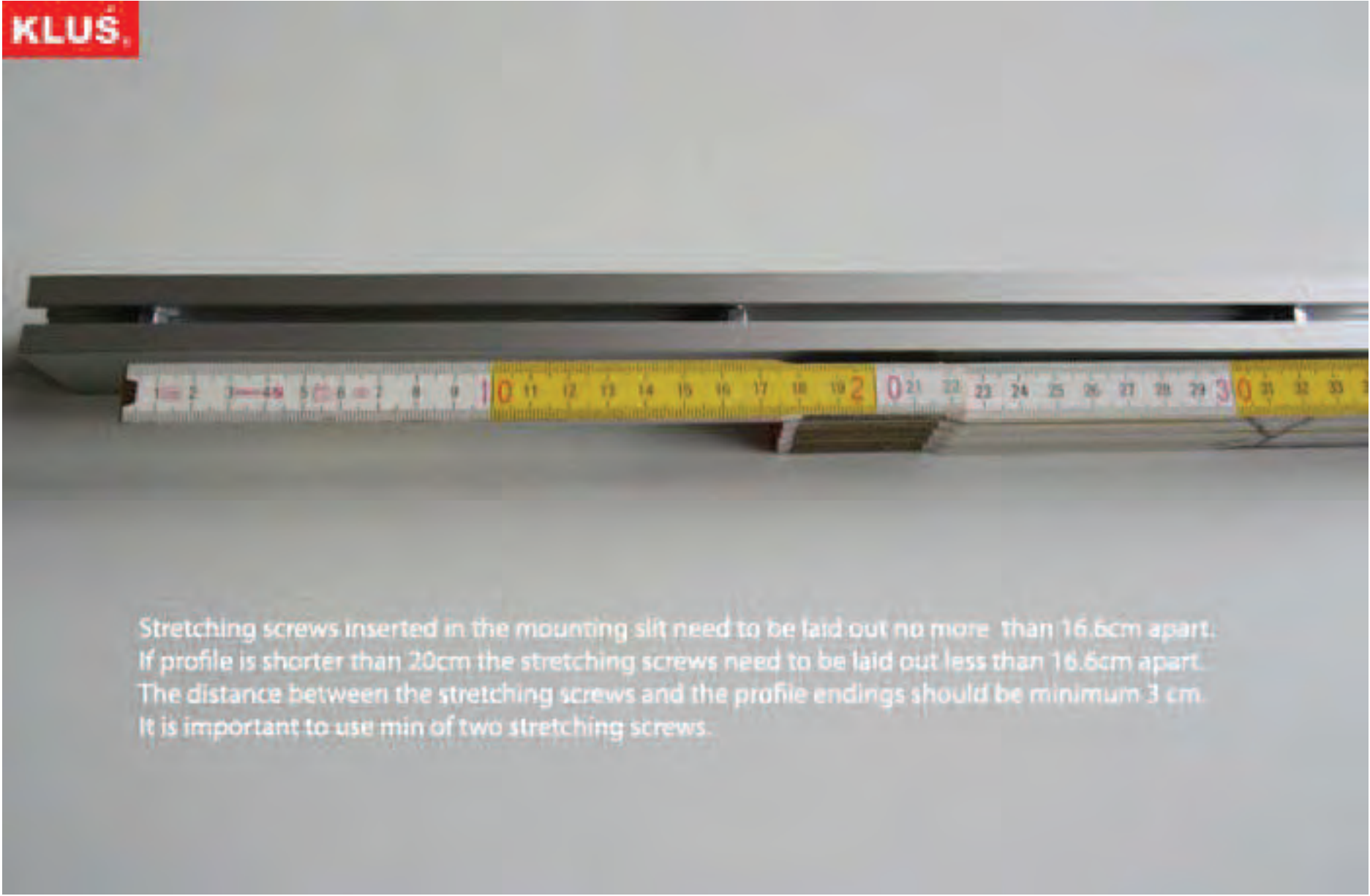


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Stretching screws for the frame - EX-ALU profile.

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Stretching screws inserted in the mounting slit need to be laid out no more than 16.6cm apart. If profile is shorter than 20cm the stretching screws need to be laid out less than 16.6cm apart. The distance between the stretching screws and the profile endings should be minimum 3 cm. It is important to use min of two stretching screws.

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To prevent stretching screws from sliding it is recommended to gently loosen them up before final mounting. When loosening up the screws it is important not to narrow the mounting slit to which the glass (or other) material is mounted.

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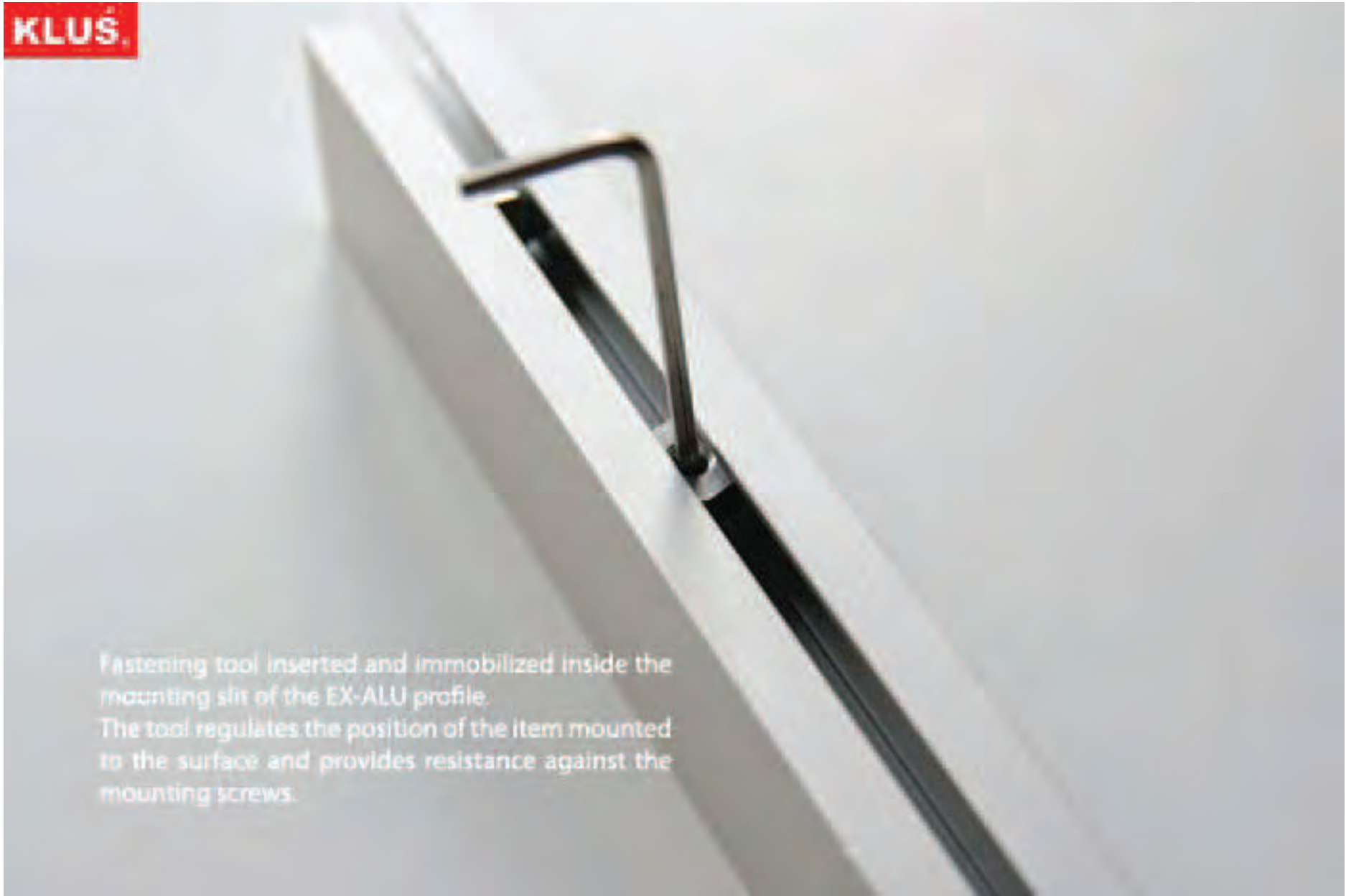


Fastener kit for the frame - EX-ALU profile.

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Fastening tool inserted and immobilized inside the mounting slit of the EX-ALU profile. The tool regulates the position of the item mounted to the surface and provides resistance against the mounting screws.

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A close-up photograph of a silver-colored metal profile with a central longitudinal slot. A stainless steel screw with a rounded head is inserted into the slot. The background is a plain, light-colored surface.


The screw included in the fastener kit can be used for screwing the M-5 mounting screws (used for mounting the profile to desired surface) as long as there is an access to them on the other side of the profile.

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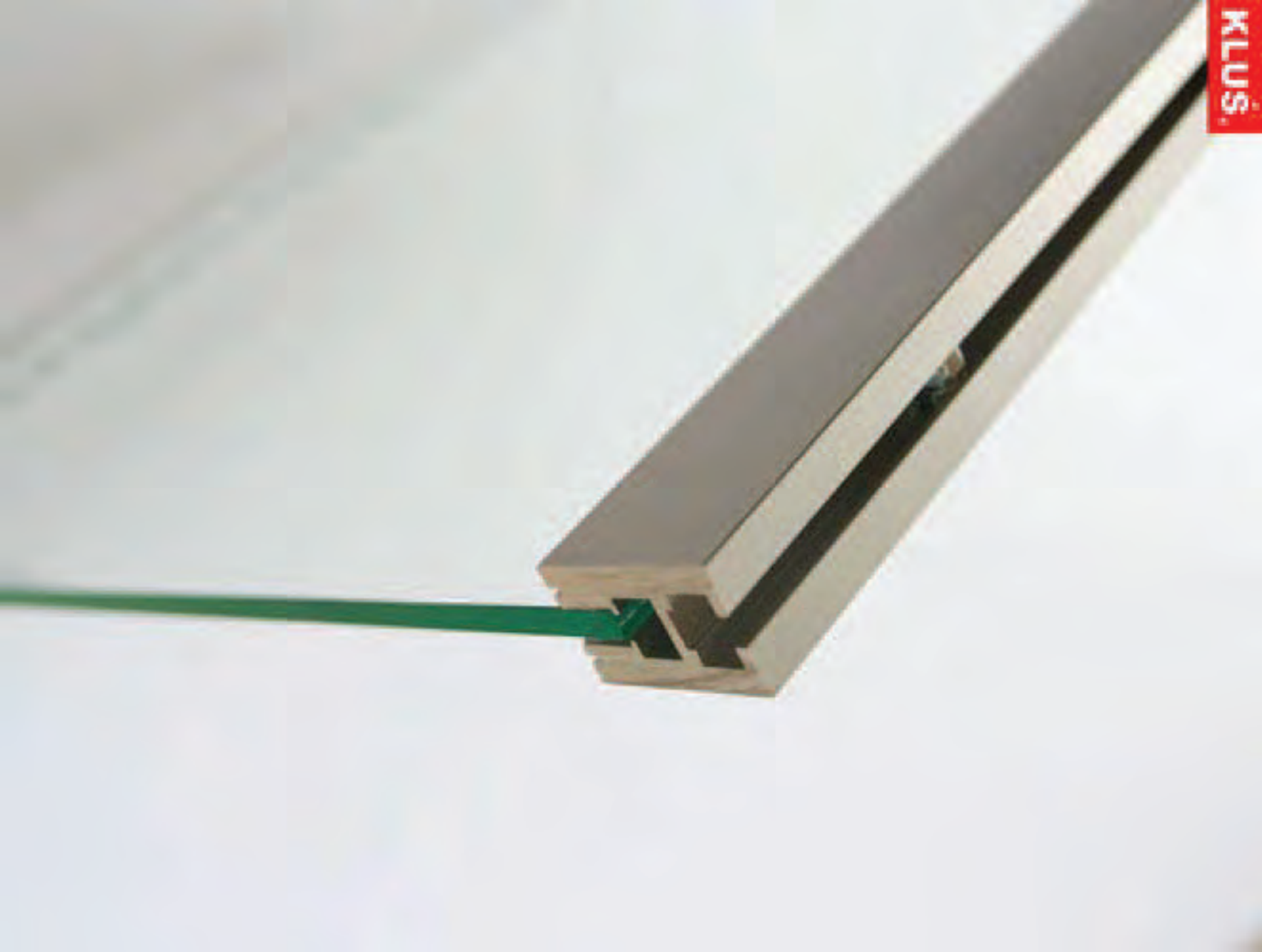



Assembled frame set - ready to be mounted , includes two stretching screws.
The longer the profile and the heavier the glass (or other material) that is mounted to the frame the more holes in the mounting slit need to be drilled.

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A close-up photograph showing a person's hand using a silver screwdriver to loosen a screw in a dark grey metal profile. The profile has a long, narrow slot. A green strip is visible at the bottom of the profile. The background is a plain, light-colored wall.

In order to mount the glass (or other material) to the gripping slit of the EX-ALU profile, stretching screws must be loosen up as much as possible. It is important not to damage the screw tops and threads.



A close-up photograph of a metal frame assembly. It shows a horizontal metal bar with a narrow slot cut into its top surface. Two screws are inserted into this slot, and their heads are visible on the top surface of the bar. Below the bar, another horizontal metal bar is visible, with two screws also inserted into it. The background is a dark, out-of-focus surface.

Minimum of two mounting screws need to be used to mount the frame set to the desired surface. Mounting screws can be laid out according to the pattern shown on the picture. Frame set is mounted to the surface by inserting mounting screw tops into the holes drilled in the mounting slit. Next, the frame needs to be slide down till it reaches the stretching screws. The holes drilled in the mounting slit need be laid out properly so that the distance between the holes and the stretching screws is as long as possible.