

## Installation manual: Tähtisaunat Moderni/Elegance/Original Straight Benches

Thank you for ordering a Tähtisaunat bench package! This manual contains installation instructions for the straight models of the Moderni, Elegance or Original bench. In addition to the manual, Tähtisaunat includes photos of the bench you are going to install. This will make your bench installation easier, because our products are always custom-made. Below are some sample photos of the bench featured in this installation manual. This manual is about the straight Moderni bench, but this manual is also suitable to use with the Elegance and the Original models. It is recommended to oil the bench sections before installation, but only when the final cleaning has been done. This manual includes photos of a few different benches, so that you could have an overview of the most common set-ups within the same manual. We will never be able to provide an entirely comprehensive manual, because every bench is custom-made, designed to be the perfect fit for every customer's sauna.

For the installation, you will need at least a cordless drill or a screwdriver, TX20 Torx Power Bit, TX25 Torx Power Bit, a spirit level, a 17 mm ring spanner, a tape measure, and a few hours of your time.

Finished photo:



Frame photo:



### Installation stages:

1. The bench package includes two kinds of feet of different lengths, the longer of which support the upper bench, and the shorter of which support the lower bench. First, attach the longer feet securely to the lower frame. The feet are usually packaged to the front edge board of the lower bench, and your task is to position the feet according to the markings. On the frame image included in the delivery, all feet have been marked as J1, J2, J3 etc. which helps to position the frames on the correct locations. The frames can also be delivered assembled, depending on the delivery method. Connect the elements of the lower frame to each other, and place the bench frame to the correct position in your sauna. Also place the bench skirts in their correct positions, but do not screw them tight yet. The feet have markings for the bench skirt attachment points.



2. Connect the solid frame parts of the lower bench to the lower bench frames. (On the sample frame image, R1, R3, R4 etc.) The screws will be tightened behind the lower bench frame. Do not screw the structure to the wall yet.



3. Lift the upper bench frames to their places. The upper bench is fitted to the metal pins on the feet by its lower edges.



4. We always leave a small installation allowance for the benches. Usually, the installation allowance is 15 – 20 mm, and once you have positioned the bench like that, make sure to centre it within the sauna. Check that the gaps of the visible end sections look good (~5 mm). If the heater has been designed to come through the lower bench/if the lower bench fills the whole sauna, make sure to check the gaps thoroughly, so that the end result would look neat and tidy. Then, attach the upper bench frames to the walls (90 mm screws, included in the delivery!), straight through the frame, screwed to the same bar that the panel is attached to. Use the spirit level to help you install the benches straight. When the frame has been attached to the wall, screw the bench skirts properly in position, and lift the tops of the upper bench to their position. The bench tops are not fastened to the frames. Also check the straightness depth-wise.



4. Place the backrests in position. The installation height is usually 400 mm – 450 mm, depending on the model and the material. This height can be raised or lowered according to your own preference. Also consider the windows! Use the window to check the installation height, if the window is positioned low in the sauna! Check the straightness with a spirit level. (Screws 55 mm long, included in the delivery!)



5. Place the spacers of the lower bench in position. If the spacer is on top of the joist hanger, it does not have to be fastened with screws. The joist hanger solution makes sauna cleaning easier, when you can simply lift the frames out of the way during cleaning. PLEASE NOTE! If the solid frames by the walls are long (more than 600 mm), screw them also to the walls, in the same way as the upper benches. Check the straightness with a spirit level and adjust with the levelling feet.



6. Lift the bench tops to their places. The bench tops are not fastened to the frames. If the sauna stove is integrated through the lower bench, centre it in its correct position during this stage. If the sauna is designed to have a sauna stove railing that rests on the lower bench, place that in position too. The tops of the lower bench have holes for the metal pins in the railing feet, and the railing is installed according to these. If the sauna stove is not integrated through the lower bench, the railing is attached straight to the frame. (Not shown on the image). Photos of different railing types below.



7. Put the footstool in its place; the installation is now complete. Levelling feet on the feet of the footstool in the Moderni and Elegance model. Also remember to put anti-slip guards on the front levelling feet (included in the delivery).

In case of any problems, you can contact our production department on [info@tahtisaunat.fi](mailto:info@tahtisaunat.fi)