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WTÄHTIPORRAS

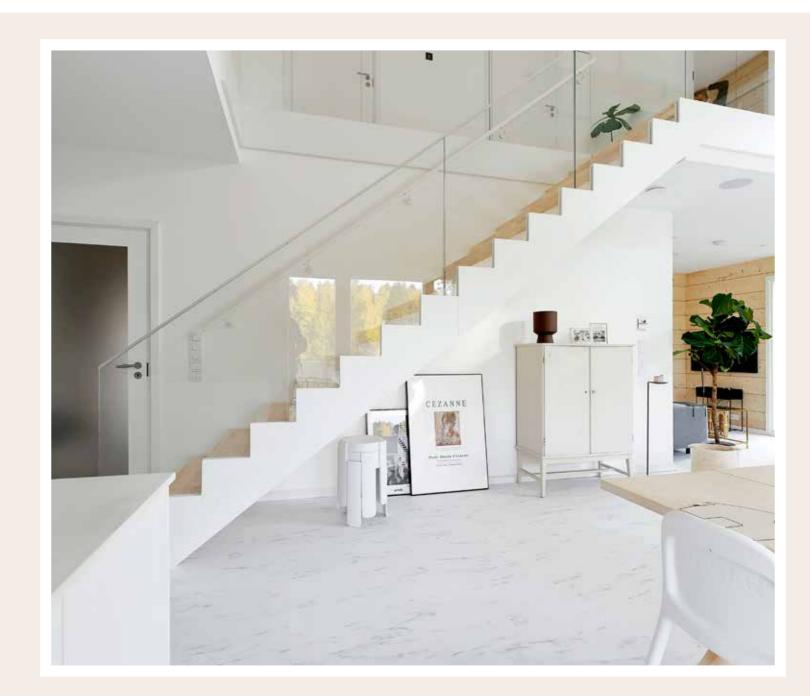
Welcome to the world of stairs!

Tähtiporras is one of Finland's largest stair manufacturers. Our extensive, versatile expertise and long experience in the field guarantee that our stairs are not only eye-catching, but also durable. We also have a verification certificate issued by Inspecta, which we can use to verify the suitability and quality of our products, e.g. for municipal building inspection.

The purpose of this brochure is to help architects, designers and builders understand the technical details of stairs and things to consider in construction, and to clarify the different options from our wide selection. For example, how much space do the different stair designs require?

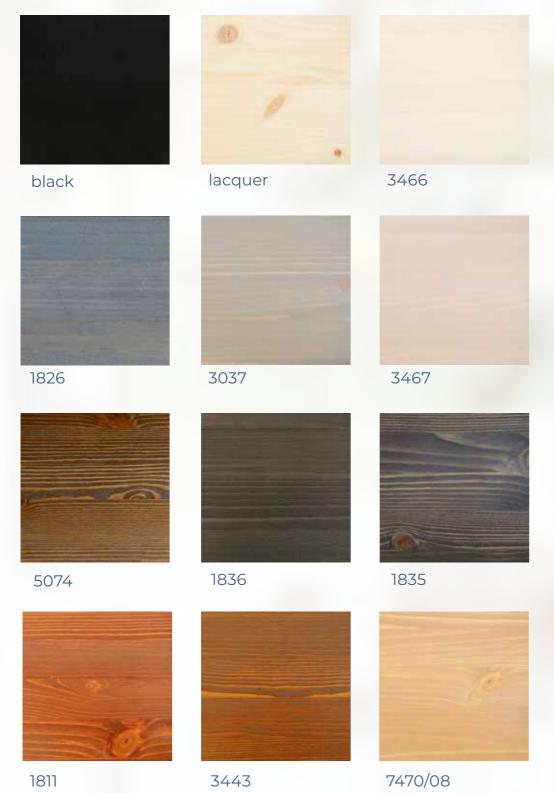
What must be taken into account regarding support structures? What does a reinforced front edge of the step mean?

We hope that this brochure will help you in your choosing stairs or with stair design! If something remains unclear, you can always ask us. www.tahtiporras.fi!



Colour models

PINE



Pine is a soft type of wood. Steps get dents and scratches more easily than other types of wood. For stringers, posts, railing surfaces, etc., pine is a functional and sufficiently hard material. In stained parts we use glued healthy-branched pine board. In paint-covered parts we use finger-jointed, glued knotless pine board.



We have a verification certificate issued by Inspecta to prove the validity of our products

The colour tones reproduced by a computer or mobile device may differ from the stained model; the final colour should

always be confirmed from a sample piece. Colour variations

in the final product are also possible due to the porosity of the wood. The colour swatches of the printed colour chart are

as close to the real colours as technically possible.

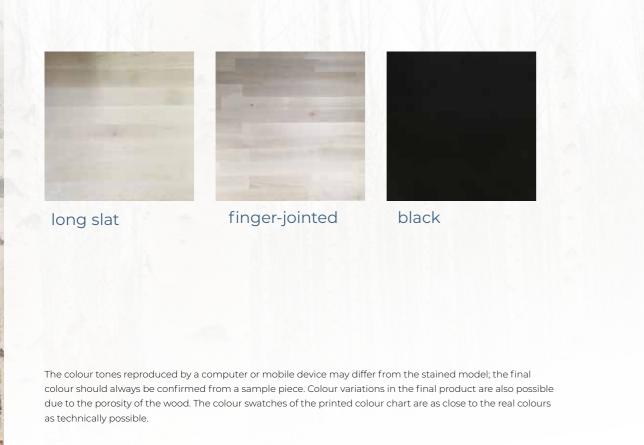
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Colour models

BIRCH

Birch is a very commonly used step material, and its wear resistance is moderate/good.

Birch, oak and ash steps are available both as finger-jointed and long-slatted.





Colour models

ASH

1811

Ash and oak are also available as finger-jointed and long-slatted. Hard wood types, good wear resistance. Lively surface structure.



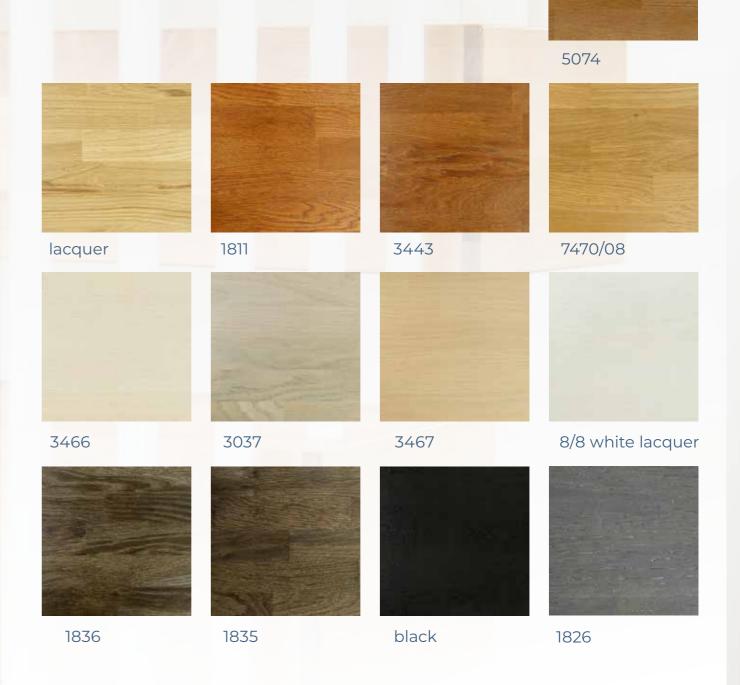
black

1826

The colour tones reproduced by a computer or mobile device may differ from the stained model; the final colour should always be confirmed from a sample piece. Colour variations in the final product are also possible due to the porosity of the wood. The colour swatches of the printed colour chart are as close to the real colours as technically possible.

3443

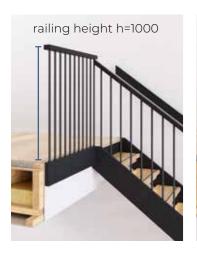
OAK



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Cuts of the railing models

Aura





In the Aura model, the 250 mm high lower rail connects to the side of the intermediate base. The floor railing height is 1000 mm, and so the handrail of the stair rail meets the side of the floor rail. If the drop height is below 3 m, the height of the floor rail can be 900 mm. In this case in the Aura model, the handrail of the stair rail continues unbroken into the floor rail.



In the Vega and Polaris models, the floor rail posts are notched and attached to the side of the intermediate base.



In the Feenix and Draco models, metal posts are attached to the side of the intermediate base. Standard attachment heights downwards from the floor surface 112/268 mm.



In the Stella model, the railing glass is attached to the side of the intermediate base. Standard attachment points 100/250 mm downwards from the floor surface.

Capella



In the Capella model, the floor railing pillars are notched and attached to the side of the intermediate base.

Alava- and Alava premium

According to the building regulations, the railing height is 1 m at a floor height above 3000 mm; at a height below

3000 mm, the railing height is 900 mm. As standard, we make the railing 1 m high, unless otherwise agreed.



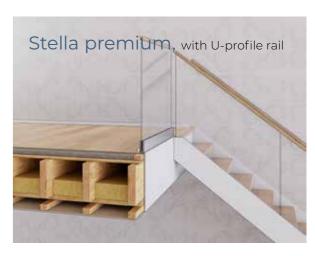
In the Alava and Alava premium models, the floor railing pillars are notched and attached to the side of the intermediate base. In Alava, the glass is attached with brackets between wooden posts; in the premium model the glass is embedded.



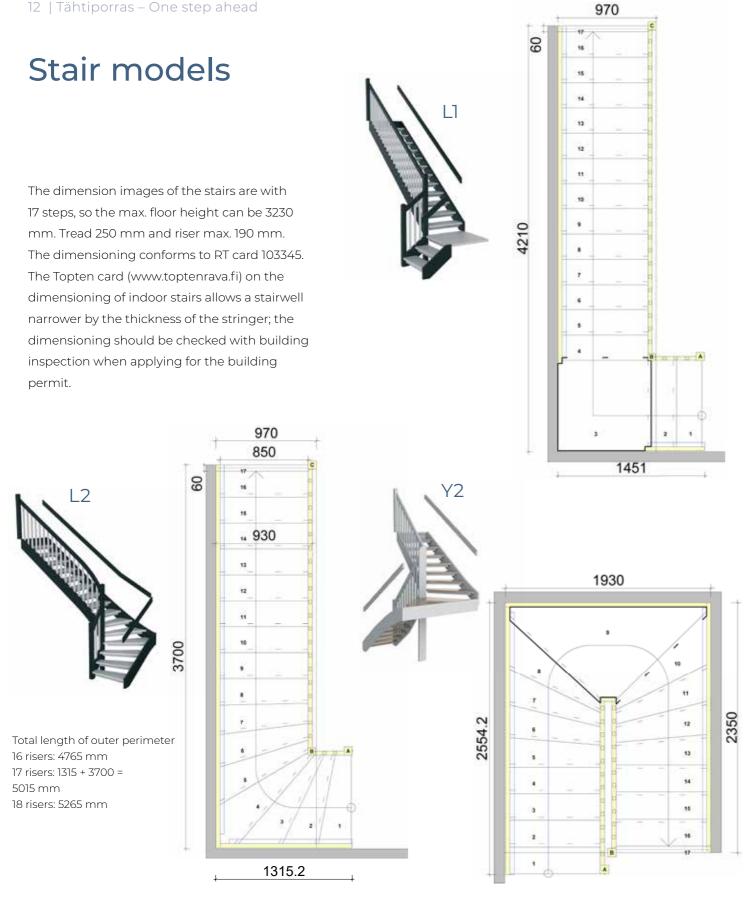
In the Lyyra model, the railing element is attached to the side of the intermediate base. Standard attachment points 50/100/200 mm downwards from the floor surface.

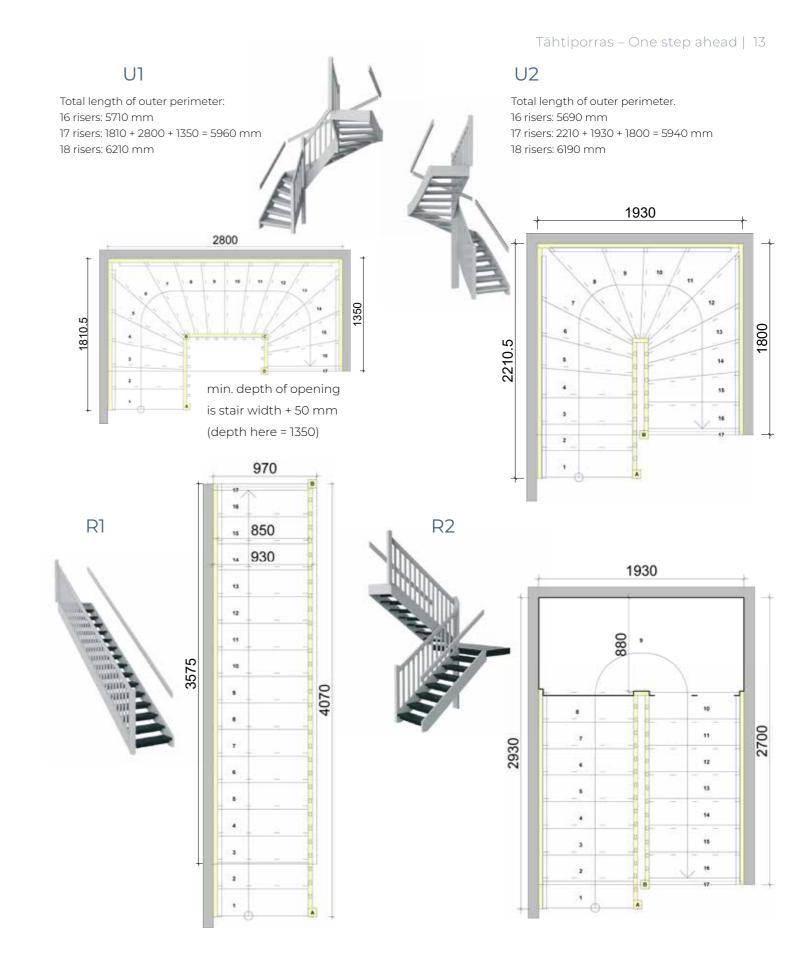


In the Stella Premium model, the railing glass is attached to the side of the intermediate base. Standard attachment points 100-300 mm from the upstairs floor surface. The standard height of the plate is 320 mm.



An alternative attachment for the Stella premium model is with a U-profile rail that attaches to the floor surface. Note! It must be ensured that the floor structure allows the attachment. At the edge of the opening, an approx. 90 mm wide plywood should be taken into account, on top of which the U-profile rail can be installed. If the upstairs floor is made with plaster or concrete casting (thickness approx. 50 mm), the rail must be installed 70 mm from the edge of the opening. Note the floor heating pipes! A thin floor casting breaks under the rail.

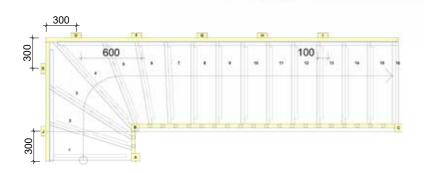


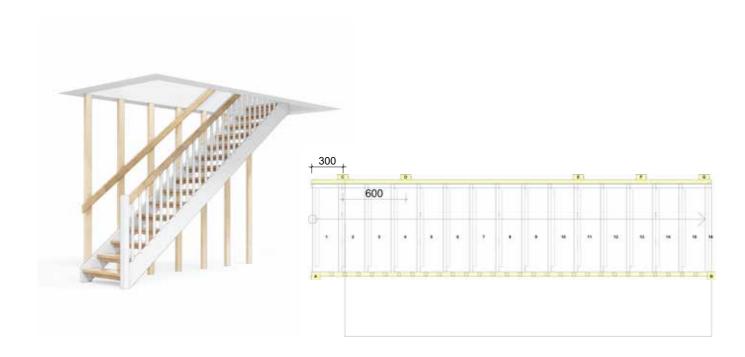


Stair support frames

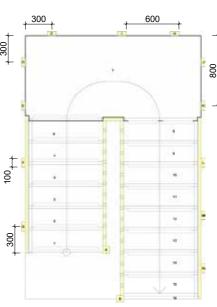
If there are LED lights in the stairs, you must take into account the socket routed under the stairs.

Generally a good location is under the 3rd or 4th step.

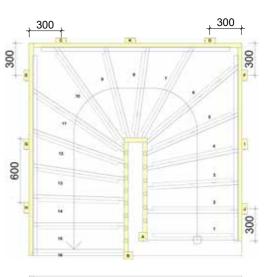


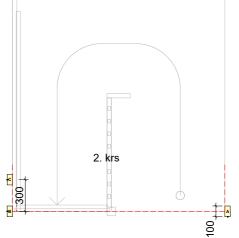






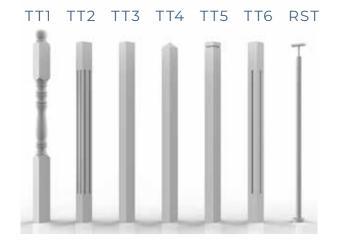


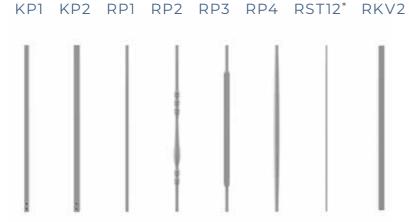




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Post and railing models





Handrails



KJ1 40 mm x 90 mm.



KJ2 40 mm x 90 mm.



KJ3 Round, diameter 40 mm.



60 mm x 40 mm. (Not recommended for installation on walls.)

KJ4



KJ5 40 mm x 90 mm.



KJ6 40 mm x 40 mm.



25 mm x 45 mm. Only on top of the Lyyra stair railing and floor railing.



KJ8 30 mm x 30 mm. Only on top of the Stella stair railing railing and floor railing.



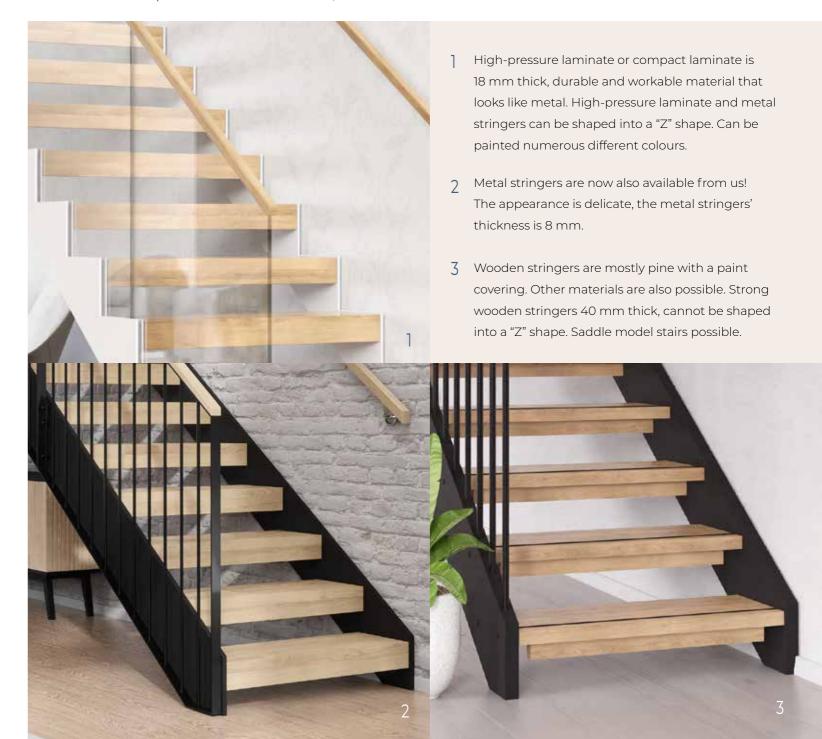
KJ9 30 mm x 70 mm. Bracket-free attachment.



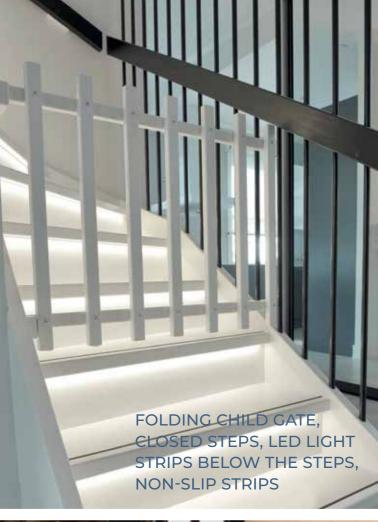
Stainless steel Diameter 42 mm

Choice of material for stringers

All our stair models are available as closed or open. In all stair models, the Safety strip under the steps can be placed either indented or in the foreground of the step, creating the impression of a strong step, or the steps can be made solid, "box-like".



Accessories

















Contact us

tahtiporras.fi

