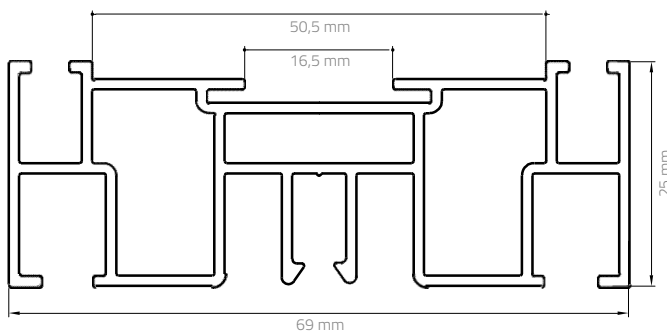




Rail System



TOOLS	Height (mm)	Width (mm)	Length (mm)
RAIL SYSTEM	25 mm	69 mm	2000 mm

Description of specifications

Anodized aluminum joist supplied in 2-meter bars with dimensions 69 mm (width) and 25 mm (height) produced by extrusion process, called RAIL SYSTEM, intended for laying ceramic, multi-format tiles or decking planks, completed by two upper rubber tracks supplied at the same time. The upper part of the joist is characterized by the presence of two lanes: an upper lane where the Kross Plate spacer is housed, moving freely along the upper channel back and forth, thus ensuring maximum flexibility in laying the coverings; a second lane, configured as a real recess suitable for receiving and holding the Clip Fit or Clip Easy, which in turn holds the ceramics with a windproof function. In addition, the channel placed in the center of the RAIL SYSTEM joist allows the use of Tekno Tlix which allows the joists to be concatenated. Internally it is structured with a series of reinforcements that increase its resistance to bending.

The RAIL SYSTEM joist can be combined with a double rubber track placed on its lower side which avoids contact with waterproofing sheaths or insulation, further improving the reduction of footfall noise and the anti-slip effect.

TOOLS	CODE	Colour	Weight (kg/pieces)	Pallet size(cm)	Packaging	Pieces for pallet
RAIL SYSTEM With two upper rubber tracks	QTRAIL50	Aluminium or Black	1,810	60x200	2 meters bars	-

Laying Tips

The RAIL SYSTEM joist, in the lower part, has a particular conformation that allows it to be hooked, by simply pressing, to all the supports of the EQ PEDESTALS collection: its pliers hooking bites the fins of the head of the supports without requiring further mechanical fixings or adapters.

With the **Queen and Lord** supports it can be laid without the need to remove any fins. The conformation of the lower side of the beam allows to embrace all the fins of the head, clamping a couple in line.

With the **King and Junior** supports, on the other hand, it is necessary to remove a pair of fins in line, allowing the remaining two to act as hooks for the caliper.

For greater stability of the substructure, the Tekno Tlix accessory can be used in order to give the structure more stability.

RAIL SYSTEM Test

Test object: check the resistance of the RAIL SYSTEM joist to the maximum load.

Mechanical Test: Load Test on the Beam

DIMENSIONS JOIST			DISTANCE OF SUPPORTS	MASS	APPARENT DENSITY	MAXIMUM LOAD	DEFORMATION AT MAXIMU LOAD
Heigth mm	Width mm	Lenght mm	mm	Kg	Kg/m ³	N	mm
25.0	69.0	2000	500	1,810	525	3583	20.4
25.0	69.0	2000	600	1,806	523	2971	24.8

Results:

The load tests carried out show that the maximum load values vary according to the center distance of the supports: increasing the center distance decreases the load capacity and increases the deformation at the maximum load.

Laying Specifications:

The RAIL SYSTEM joist does not require mechanical fixings or adhesives and can be laid dry directly on the support, in this case it is necessary to use the rubber on the lower part.

