

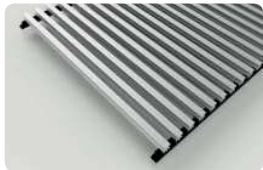
Grilles

The lamellas in grilles are made of anodized aluminium. The surface is durable and resistant to abrasion and its colours are stable. The lamellas are supplied in the following colours: NATUR, BRONZE, BLACK and STAINLESS STEEL.

Aluminium low transverse grilles

For models FRT 0065 0175, FRT 0065 0200, FRT 0065 0250, FRT 0065 0300, FRT 0080 0175, FRT 0080 0200

The grille of the low trench heater type. It allows for installation into floor configuration with the heights of 65 and 80 mm. The aluminium lamellas are pressed into plastic longitudinal strips of black colour. The grille comes in 520 mm sections and an additional piece joined together at the installation site to form the required length.



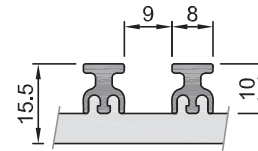
NATUR - marking 15



BRONZE - marking 25



BLACK - marking 35



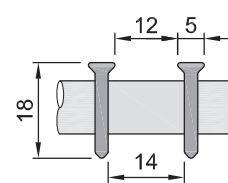
Grille's cross section

Low grilles can also be used for other types of convectors. Please, consult the ISAN Technical Department about this alternative.

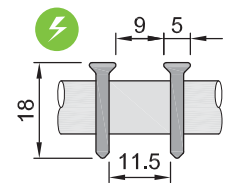
Aluminium roll-up transverse grilles

Transverse lamellas are linked with a loaded spring and their limits are defined with distance rolls of hardened plastic. The rolling of the grille facilitates handling in the course of the installation and cleaning of the trench heater. The plastic rolls are assigned as follows based on the colour of the lamellas: NATUR – silver, BRONZE – black, BLACK – black. Aluminum grilles anodized to form a STAINLESS finish are fitted with stainless steel spacers. The lamellas may be provided with a surface finish of sprayed powder colour according to the RAL sample list.

Grilles suitable for electric trench heaters are marked with ⚡. These are non-roll grilles with a reduced distance between individual lamellas (as shown in the sectional view). Marking 17, 27, 37, 47.

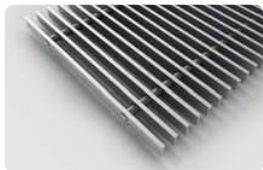


Grille's cross section



Grille's cross section

The maximal length of the grille in one piece is **6 500 mm**.



NATUR - marking 11

⚡ NATUR - marking 17



BRONZ - marking 21

⚡ BRONZ - marking 27



BLACK - marking 31

⚡ BLACK - marking 37



STAINLESS - marking 41

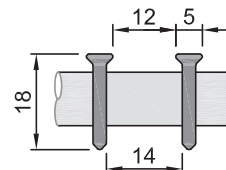
⚡ STAINLESS - marking 47

Note: the grilles cannot be used for trench heaters FRT 0065 0175, FRT 0065 0200, FRT 0065 0250, FRT 0065 0300, FRT 0080 0175, FRT 0080 0200.

Aluminium linear non-rolling grilles

Aluminium lamellas provided with holes along their length and joined with a steel supporting bar. The grille is divided into more pieces for easy handling. The span between the lamellas is defined by distance rolls of hardened plastic. The plastic rolls are assigned as follows based on the colour of the lamellas: NATUR – silver, BRONZE – black, BLACK – black. Aluminum grilles anodized to form a STAINLESS finish are fitted with stainless steel spacers. The lamellas may be provided with a surface finish of sprayed powder colour according to the RAL sample list.

The maximal length of a single piece is **3 000 mm**. Greater lengths can be achieved by linking more pieces together.



Grille's cross section



NATUR - marking 12



BRONZE - marking 22



BLACK - marking 32

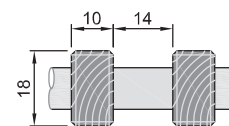


STAINLESS - marking 42

Note: the grilles cannot be used for trench heaters FRT 0065 0175, FRT 0065 0200, FRT 0065 0250, FRT 0065 0300, FRT 0080 0175, FRT 0080 0200.

Wooden roll-up grilles

The grilles are manufactured as a roll-up version, i.e. a transverse roll-up grille. The material used is beech and oak. It is possible to order grilles made of wood in natural state or of stained wood. The grilles are a suitable complement of interiors and can be harmonized with a wooden or floating floor. Additional surface modification may be used to increase the resistance and durability of the grille's material.



Grille's cross section

Surface finish NATUR – natural wood

Processed wood without an additional surface finish. The wood can be left in the raw state or provided with a surface finish to protect the wood. Based on the type of protection required and the external look (harmonizing with the interior) use staining, oil impregnation, waxing or varnish. The plastic rolls for the NATUR version are in beige.



BEECH NATUR - marking 61



OAK NATUR - marking 63

Surface finish STAINED – stained wood

The wooden lamellas of the grille are stained with a penetrating dyestuff to secure a darker brown colour. This brings out the wood grain and provides a basic surface protection. The plastic rolls are in black.

The maximal length of the wooden grille in one piece is **6 500 mm**.



STAINED BEECH - marking 62

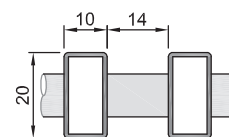


STAINED OAK - marking 64

Note: the grilles cannot be used for trench heaters **FRT 0065 0175, FRT 0065 0200, FRT 0065 0250, FRT 0065 0300, FRT 0080 0175, FRT 0080 0200**.

Transverse stainless steel grille

The grilles are made of 20 × 10 mm stainless steel profiles. This model features robust design, strength and rigidity. Individual grille lamellas have a brushed steel finish running lengthwise.

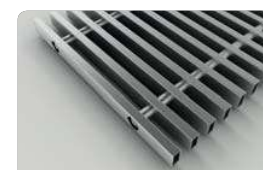


Grille's cross section

Car showroom

A fixed non roll-up grille with a rigid structure designed primarily for use in car showrooms. The grille lamellas are linked by steel rods and held apart by stainless steel spacers. A solid layer of concrete must be poured below the trench heater casing where the grille is to be placed.

The maximum length of 1 section of the stainless steel grille (51) is **2 000 mm**.

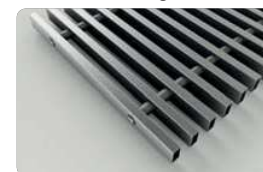


STAINLESS Car showroom - marking 51

Design construction, roll up grilles

Interior design with spring-joined grille lamellas separated by gray hardened plastic spacers.

The maximum length of 1 section of the stainless steel grille (52) is **3 000 mm**.



STAINLESS - marking 52

Highly resistant grille

A special grille made of thick-walled stainless steel. Robust construction resistant to mechanical stress and wear. Ideal for installation in frequented areas (restaurants, cafés, entrance halls, business centers). Its rigid and compact design also ensures high resistance to concentrated loading (high heels). While the vents provide adequate air permeability, a 10% reduction in the trench heater output should still be expected.

The maximum length of one section is **1 000 mm**. The grille is composed of several sections of equal size to achieve the required length. The maximum width of the convector heater is **300 mm**.



STAINLESS Solid - marking 95

Notes:

- The grilles are not suitable for convector heaters with a standard low grille: **FRT0065 0175, FRT 0065 0200, FRT 0065 0250, FRT 0065 0300, FRT 0080 0175, FRT 0080 0200**.
- grille is not suitable for heating / cooling trench heaters **FRC, FRD, FZC, FZD**

Peripheral ledge

It forms the architectural and functional borders of the trench heater after its installation in the floor. The ledge of anodized aluminium is available in colours „NATUR“, „BRONZE“ and „BLACK“. The peripheral ledges may be provided with a surface finish of sprayed powder colour according to the RAL sample list.

A trench heater without the peripheral ledge can be supplied for the hidden installation of the trench heater in the floor. In such case this should be written down in the form of a note (a different width of the grille)

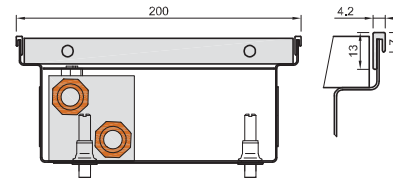


The ledge of anodized aluminium

Ledge „J“

A standard ledge that forms an architectural frame alongside the perimeter of the trench heater. Used for installation into floors that fit closely to the trench heater's body. Suitable for paving, architectural concrete, polished concrete floors, stone floors, lino, cork, ...

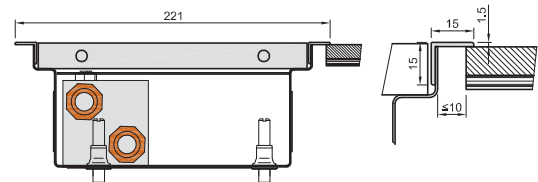
The ledge is permanently installed during the manufacture of the trench heater.



Ledge “L”

A peripheral ledge with an overlap. The L cross section 15×15×1.5 enables the covering of the expansion gap with the width of up to 10 mm. The ledge is put besides the trench heater. It is installed after the final floor is completed.

It is glued onto the inner edge of the trench heater. When installing the trench heater should be installed in a way so it does not exceed the level of the final floor. Suitable for wooden floors, plywood floors, laminate flooring, vinyl. It can be used in cases when the technology of the floor laying requires an expansion gap. The length and width of the trench heater is greater by 21 mm than the dimensions presented in the catalogue.



Trench heater installation with an L-profile peripheral ledge



Peripheral ledge L-profile



Peripheral ledge J-profile