

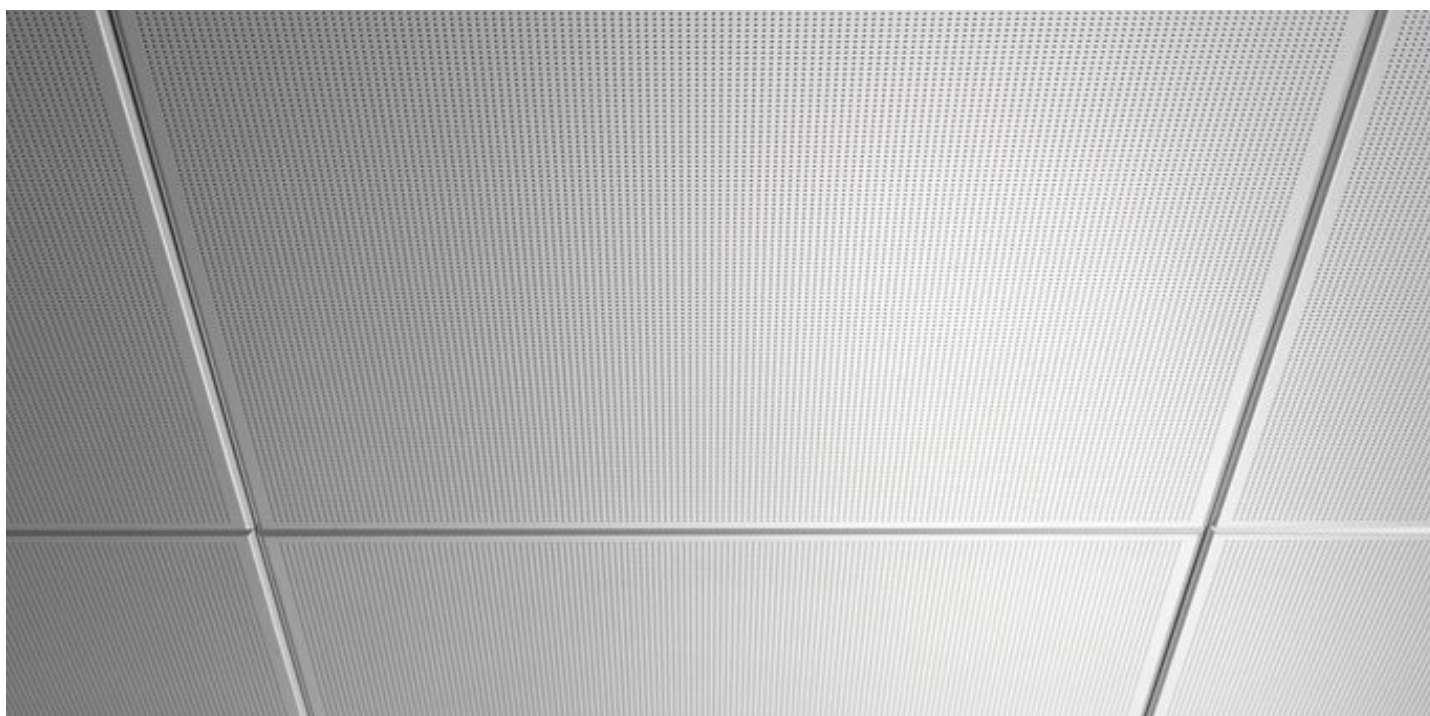


Give life to your project

Dx System



Dx System



Description

The system Dx is part of the group of panels characterized by hidden structure.

Thanks to the particular notches, these panels are locked inside a profile with a triangular section.

Dx panels can be mounted with a simple structure (consisting of triangle and clip) or double structure (consisting of triangle, clip and U-profile).

In the double structure, the U profiles are arranged with a maximum center distance of 1200 mm and with triangular profiles generates a strong structure, useful for covering large surfaces.

Unlike the classic D model, the Dx model panels have customizable dimensions to adapt to the design needs.

Main features

Panel module

-Mod. Dx: custom

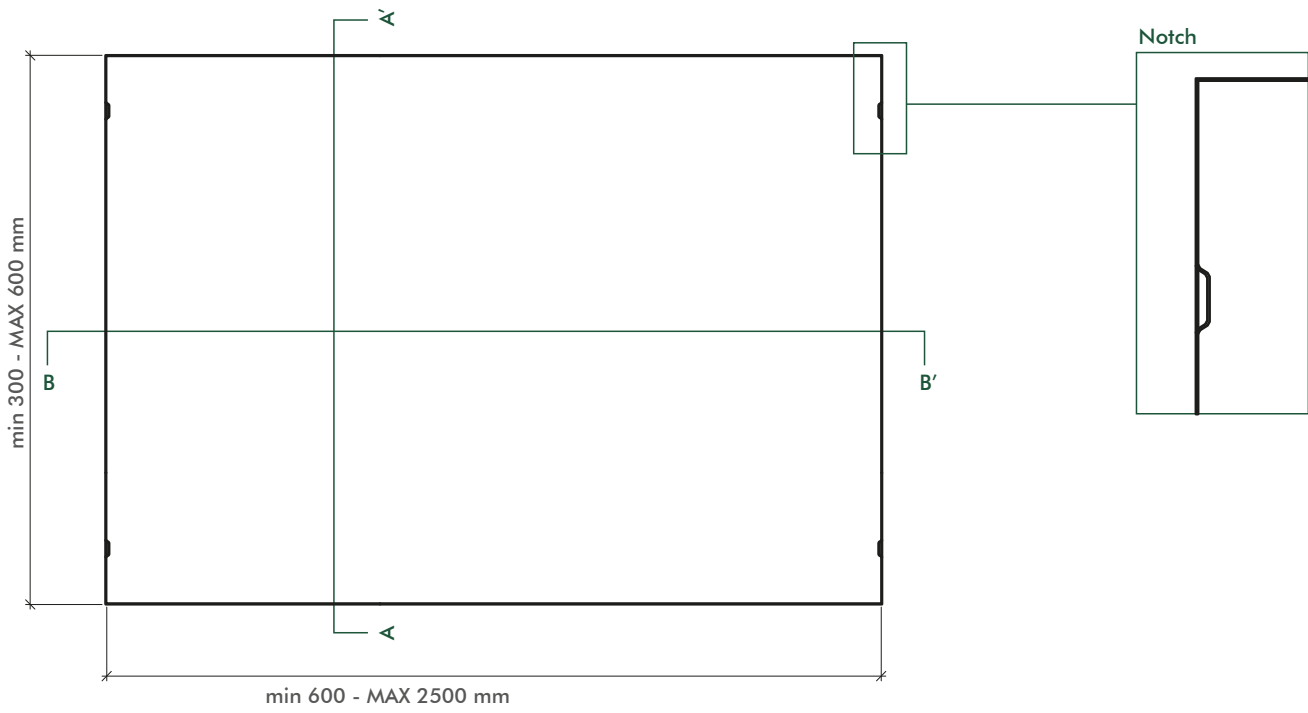
Material and Colour

-Coil coated Steel:
RAL 9010, 9003, 9006
-Powder coated Steel:
RAL 9010, 9003, 9006
-Coil coated Aluminum:
RAL 9003, 9006
(other RAL colours available on request)

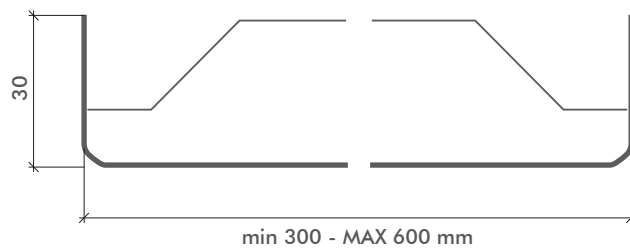
Sound absorption

TNT black

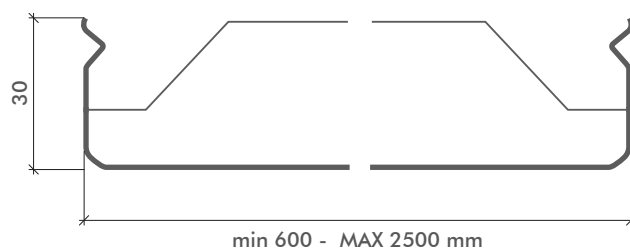
Panel Dx



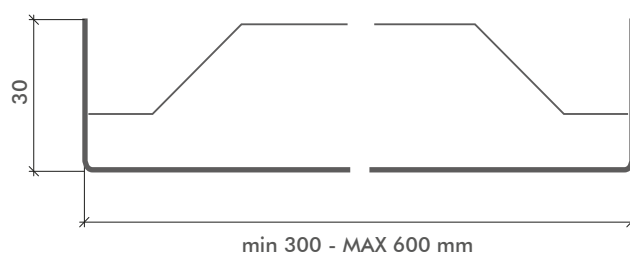
Section A - A' _ Rounded corners



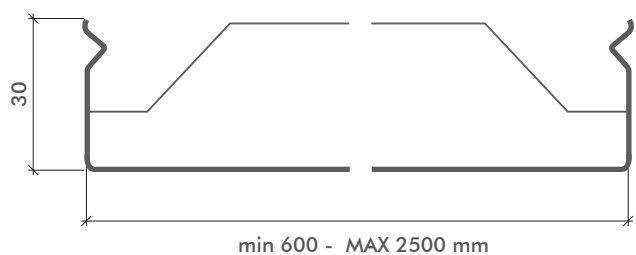
Section B - B' _ Rounded corners



Section A - A' _ 90° bending



Section B - B' _ 90° bending

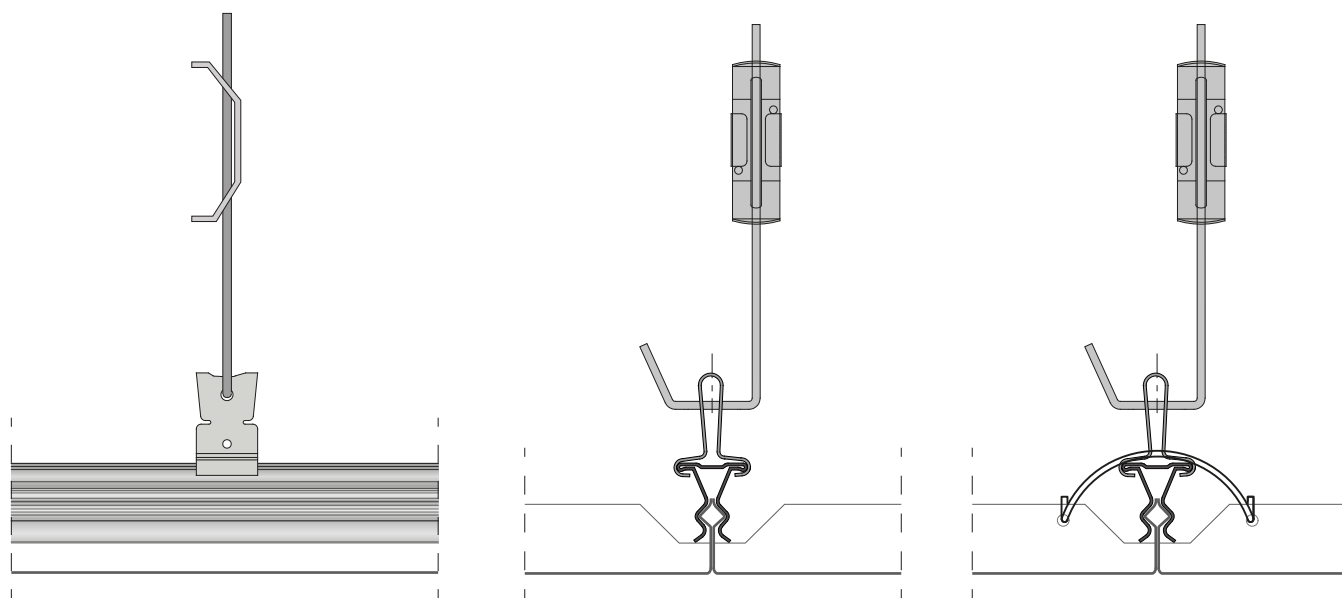


Simple Structure Suspension

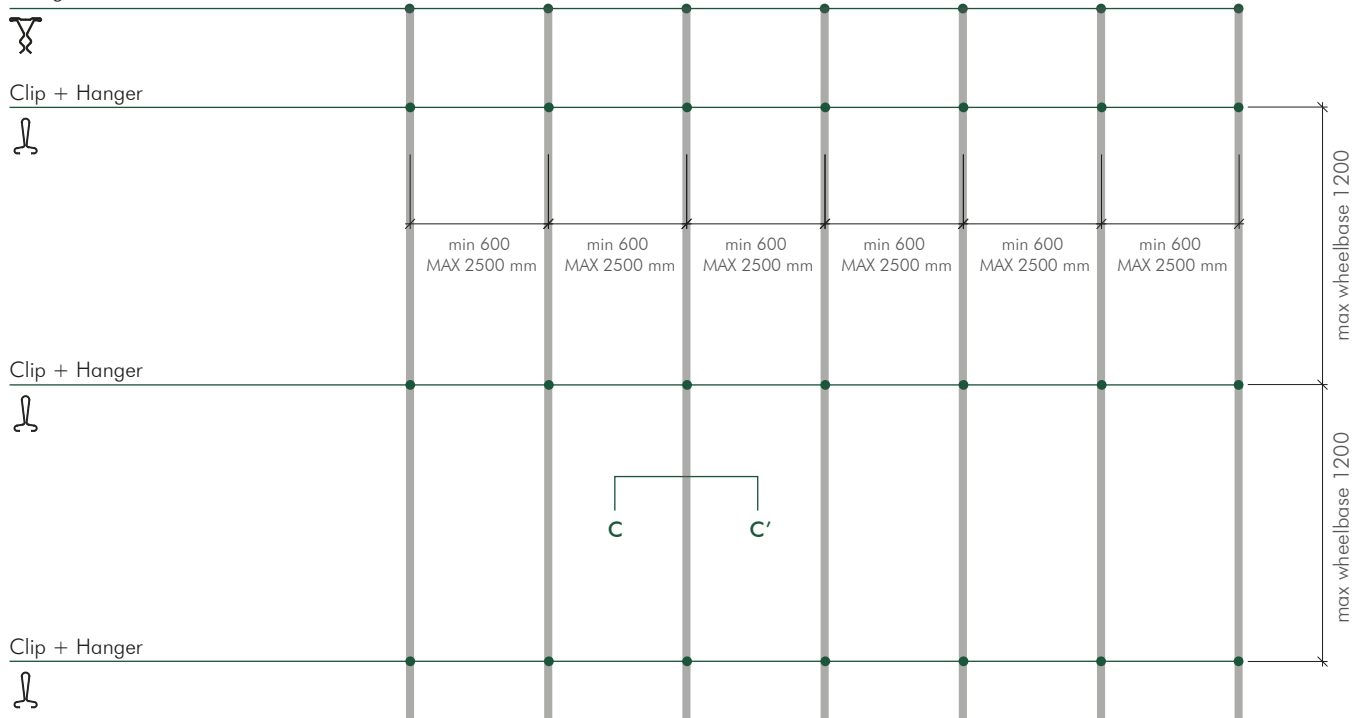
The simple structure suspension system is constituted by: *Triangular Profile*, with particular section, allows the placement of the panel with a simple pressure, and *Clip*, which allows the suspension of the *Triangular Profiles*.

Section C -C'

Section C -C'
with anti-release clip



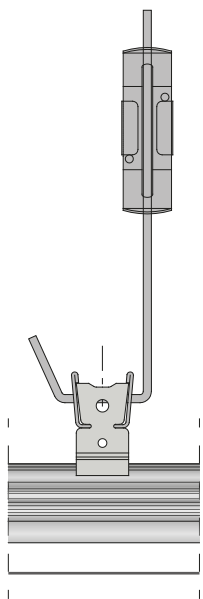
Triangular Profile + Joint



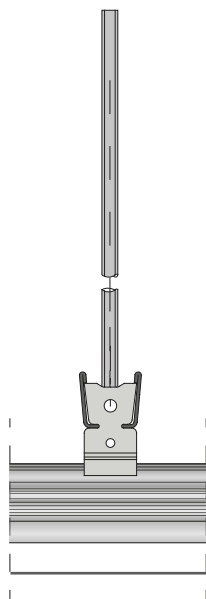
Double Suspension Structure

La sospensione a struttura doppia è costituita da una maglia ortogonale data dal profilo a *Triangolo* con *Clip* di sospensione integrati con profili asolati a *U*. Le *Clip*, che sostengono il *Triangolo*, vengono incastrate nelle asole della *U*. Questo tipo di sospensione genera una struttura solidale ed è consigliabile per coprire grandi superfici.

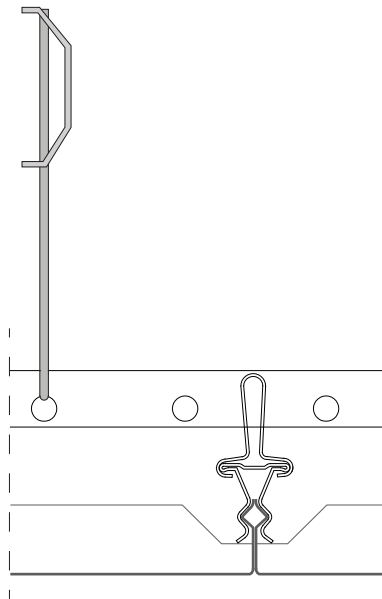
Suspension with hanger



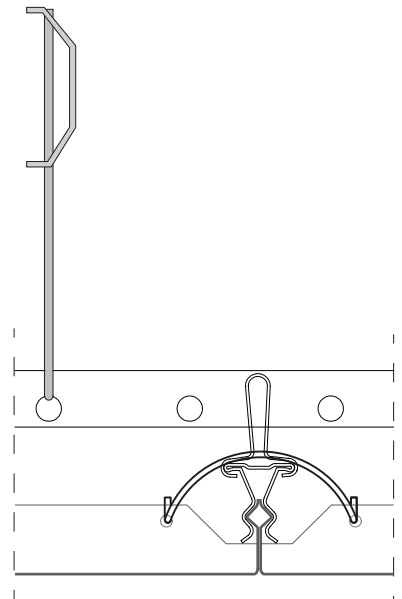
Suspension with threaded bar



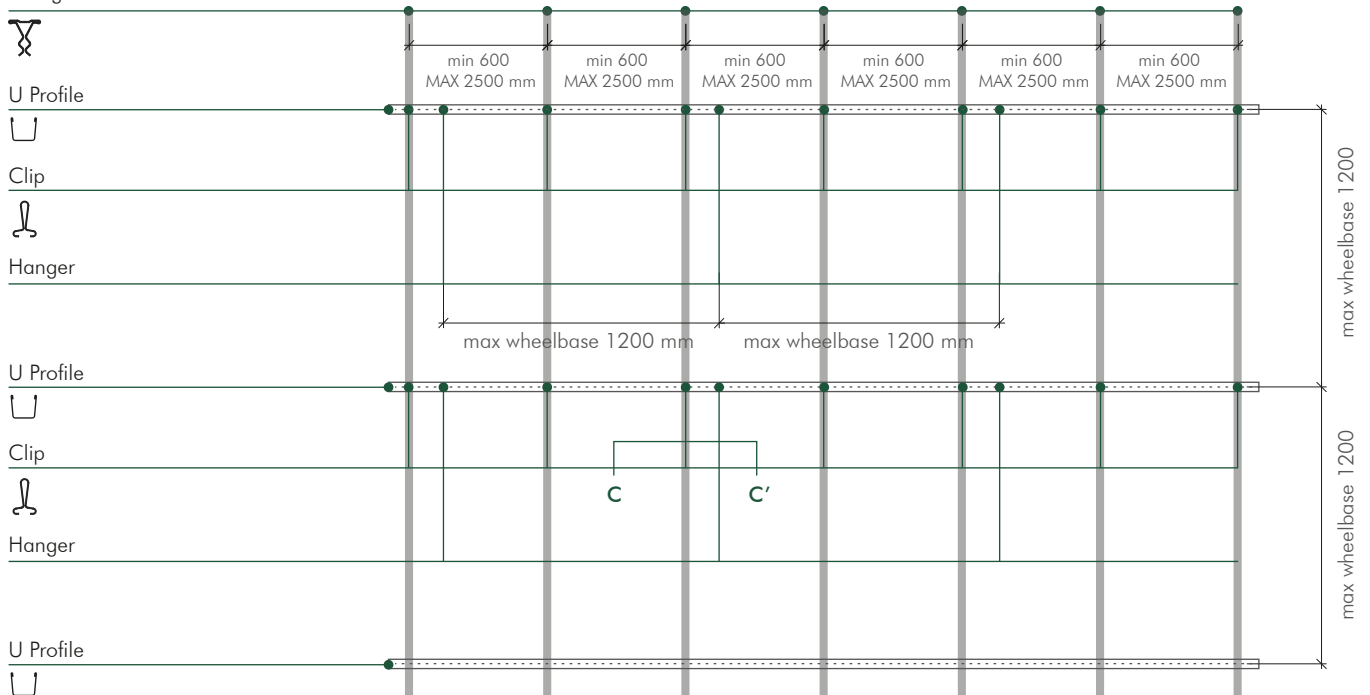
Section C - C'



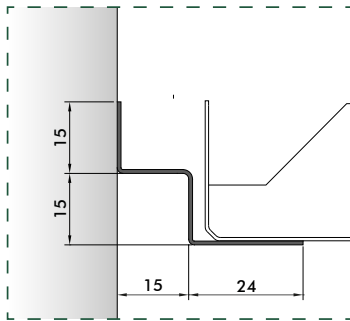
Section C -C' with anti-release clip



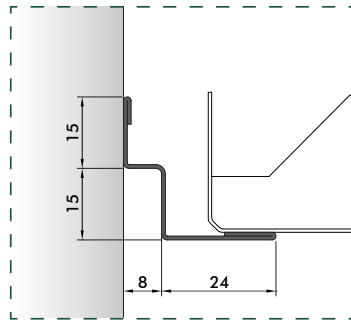
Triangular Profile + Joint



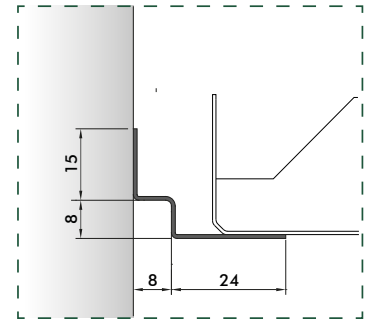
Perimetral's details



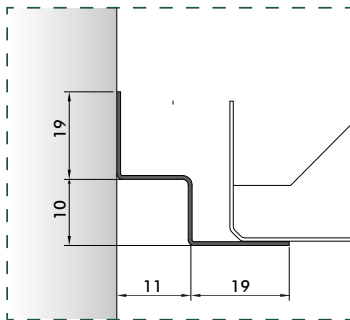
P11_L 3000 mm



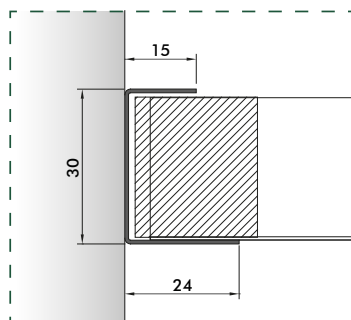
P11/A_L 3050 mm



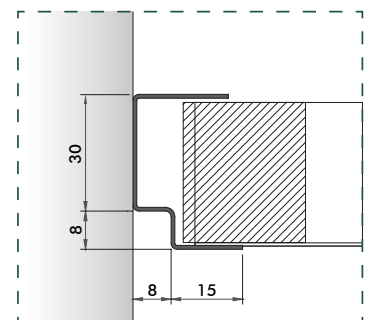
P12_L 3000 mm



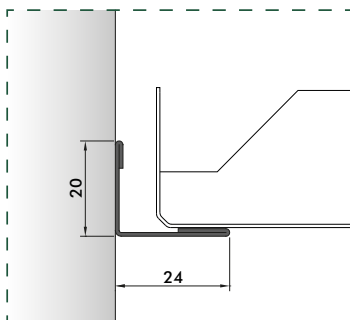
P15/A_L 3000 mm



P10 *_L 3000 mm



P13 *_L 3000 mm

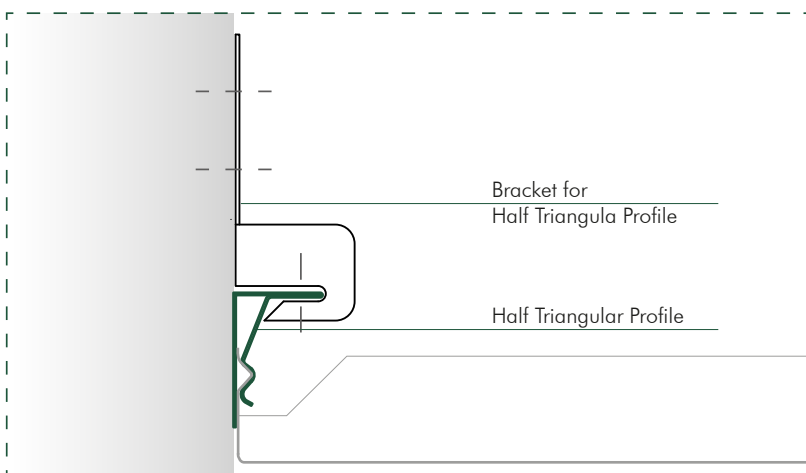


P2_L 3000 mm

Each profile can be achieved with customized section in according to customer's requests.

* Supplied on request with polystyrene to maintain in the form the cut panel (supplied not pre-assembled)

Half Triangular Profile



Half Triangular Profile_L 4000 mm

The Half Triangular Profile allows the realization completely hidden structure metal ceilings. In fact with this particular profile it isn't necessary to use other perimeter profiles.

Performance and technical data



Perforation
type



α_w *



Classe**



Recycled
content (%)***



Reaction to
fire class****



%RH

Perforation type	α_w *	Classe**	Recycled content (%)***	Reaction to fire class****	%RH
Panel not perforated	0,10	NC	<30	A1	95
R0701	0,55	D	<30	A1	95
R1511	0,70	C	<30	A1	95
R211	0,70	C	<30	A1	95
R2516	0,75	C	<30	A1	95
D1522	0,75	C	<30	A1	95
D222	0,70	C	<30	A1	95
Acoustic R1511	1,00	A	≤30	A1	95
Acoustic D1522	1,00	A	≤30	A1	95

* including non-woven fabric (black TNT) certified and hot applied.

** according to EN ISO 11654

*** please note that all aluminum and steel products are 100% recyclable.

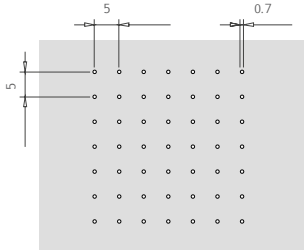
**** Intended use of the product according to EN13964: 2014 / A1: 2006: Components of suspended ceiling membranes for internal use in buildings. System of assessment and verification of constancy of performance of the construction product: SYSTEM 3.

***** for any other technical information, please contact our sales or technical office.

Perforation Options

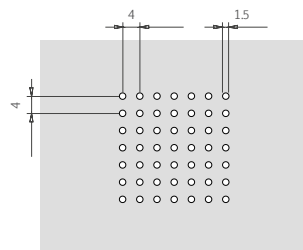
Regular

R0701



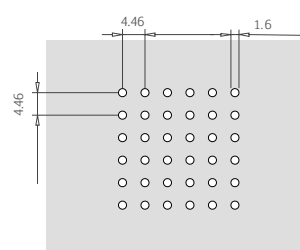
aw 0.55 - EXTRA MICRO PERFORATION
 Diameter : 0.7 mm
 Perforation area : regular central or total
 Inter-axes : 5x5 mm
 Perforation surface : 1.5% approx.

R1511



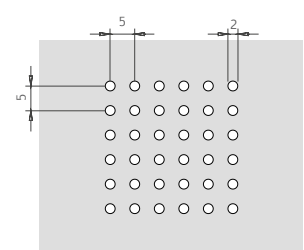
aw 0.70 - MICRO PERFORATION
 Diameter: 1.5 mm
 Perforation area: regular central or total
 Inter-axes: 4x4 mm
 Perforation surface: 11% approx.

R1610



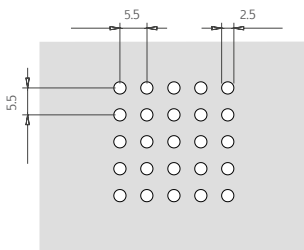
Diameter: 1.6 mm
 Perforation area: regular central or total
 Inter-axes: 4.46x4.46 mm
 Perforation surface: 10% approx.

R211



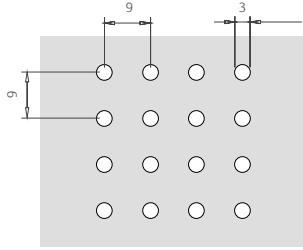
aw 0.70
 Diameter: 2 mm
 Perforation area: regular central or total
 Inter-axes: 5x5 mm
 Perforation surface: 11% approx.

R2516



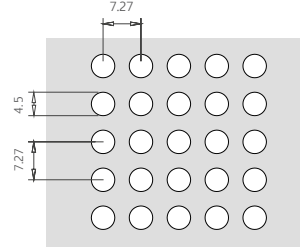
aw 0.75
 Diameter: 2.5 mm
 Perforation area: regular central or total
 Inter-axes: 5.5x5.5 mm
 Perforation surface: 16% approx.

R308



Diameter: 3 mm
 Perforation area: regular central or total
 Inter-axes: 9x9 mm
 Perforation surface: 8% approx.

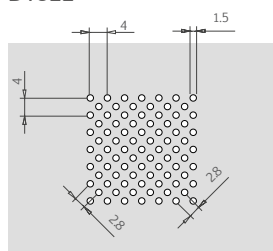
R4530



Diameter: 4.5 mm
 Perforation area: regular central or total
 Inter-axes: 7.27x7.27 mm
 Perforation surface: 30% approx.

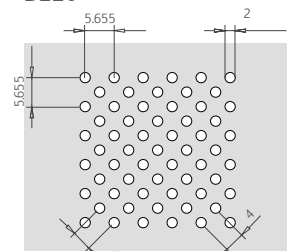
Diagonal

D1522



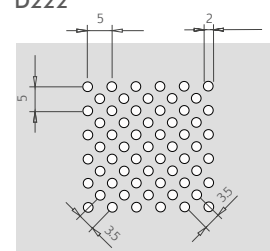
aw 0.75 - MICRO PERFORATION
 Diameter: 1.5 mm
 Perforation area: diagonal central or total
 Inter-axes: 4x4 mm
 Perforation surface: 22% approx.

D220



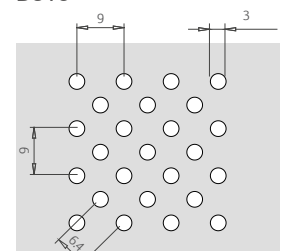
Diameter: 2 mm
 Perforation area: diagonal central or total
 Inter-axes: 5.655x5.655 mm
 Perforation surface: 20% approx.

D222



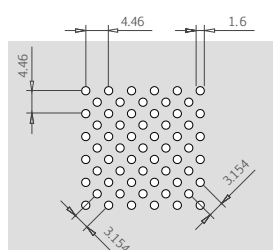
aw 0.70
 Diameter : 2 mm
 Perforation area: diagonal central or total
 Inter-axes: 5x5 mm
 Perforation surface : 22% approx.

D316



Diameter: 3 mm
 Perforation area: diagonal central or total
 Inter-axes: 9x9 mm
 Perforation surface: 16% approx.

D1620

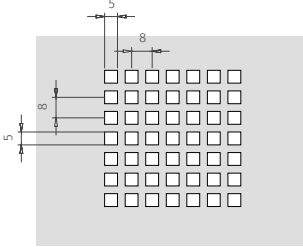


Diameter: 1.6 mm
 Perforation area: diagonal central or total
 Inter-axes: 4.46x4.46 mm
 Perforation surface: 20% approx.

Perforation Options

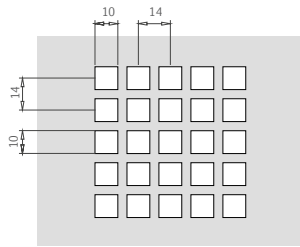
Square

Q540



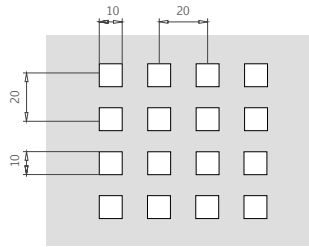
Hole: 5x5 mm
 Perforation area: regular central or total
 Inter-axes: 8x8 mm
 Perforation surface: 40% approx.

Q1045



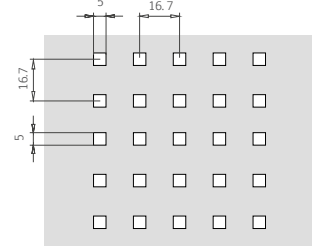
Hole: 10x10 mm
 Perforation area: regular central or total
 Inter-axes: 14x14 mm
 Perforation surface: 45% approx.

Q1020



Hole: 10x10 mm
 Perforation area: regular central or total
 Inter-axes: 20x20 mm
 Perforation surface: 20% approx.

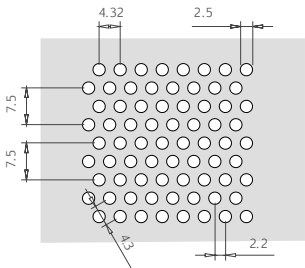
Q509



Hole: 5x5 mm
 Perforation area: regular central or total
 Inter-axes: 16.7x16.7 mm
 Perforation surface: 9% approx..

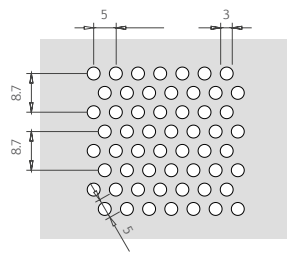
Hexagonal

E2530



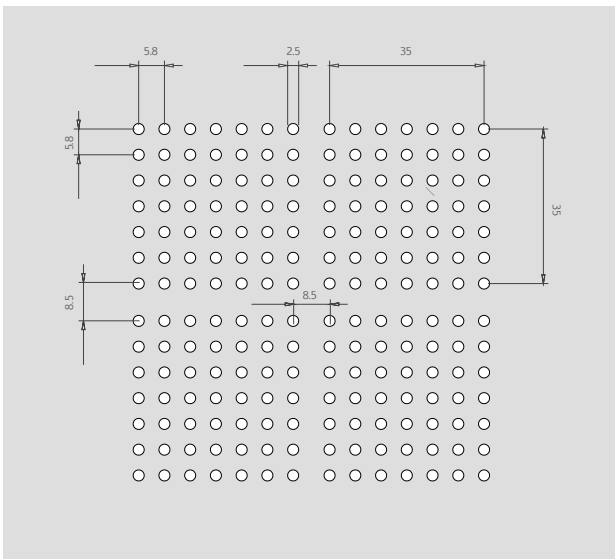
Diameter: 2.5 mm
 Perforation area: diagonal central or total
 Inter-axes: 4.3x7.5 mm
 Perforation surface: 30% approx.

E332



Diameter: 3 mm
 Perforation area: diagonal central or total
 Inter-axes: 5x8.7 mm
 Perforation surface: 32% approx.

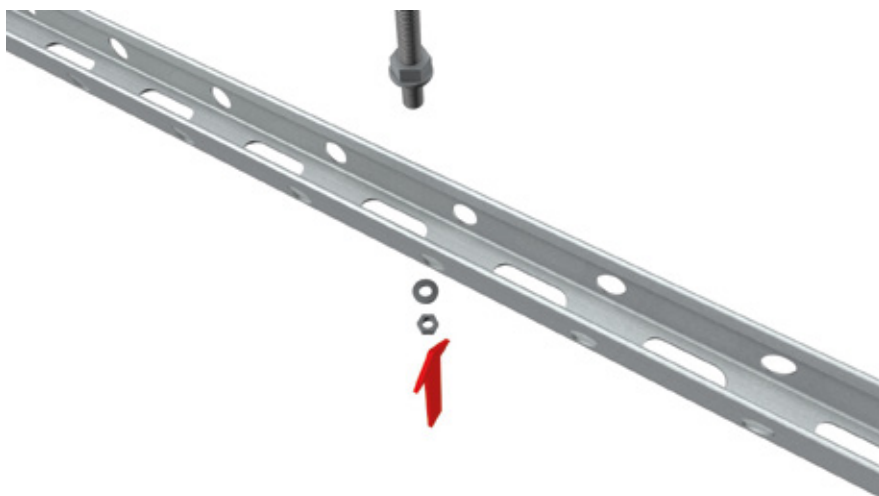
04/5,5x5,5



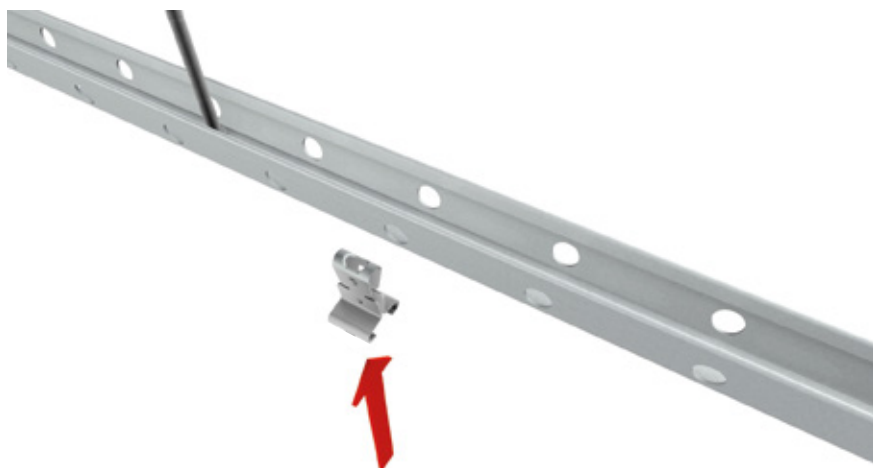
Diameter: 2.5 mm
 Perforation area: regular 35x35 mm
 Inter-axes: 8.5 mm
 Perforation surface: 15% approx.

Mounting System Panels

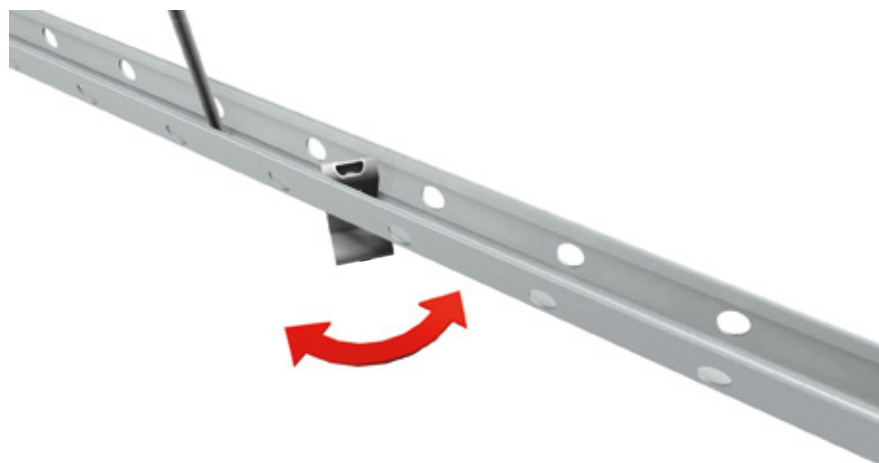
Position the threaded rod with nut and washer in a slot at wheelbase 1200 mm. max. perpendicularly to the direction of the profiles and the triangle at a center distance max. 1.200 mm. parallel to the triangle profile.



Insert the clip in step 600 mm. inside of the slots in the base of the "U" profile.

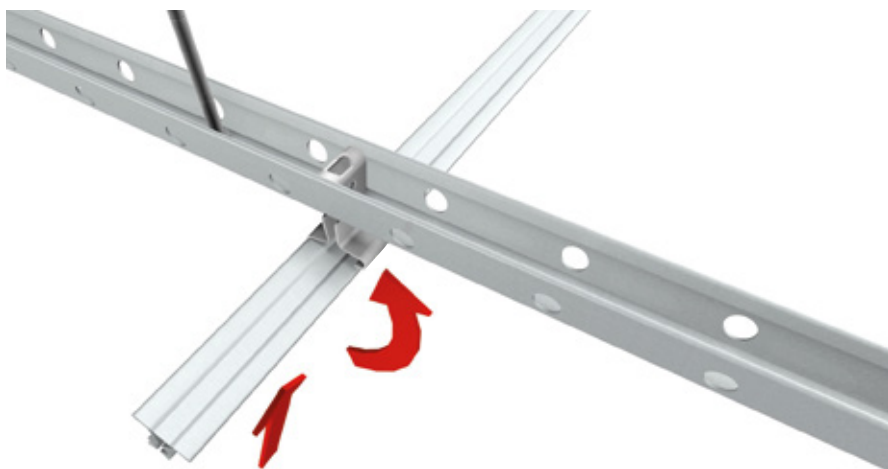


Turn the clips 90° to allow the interlocking in the slot.

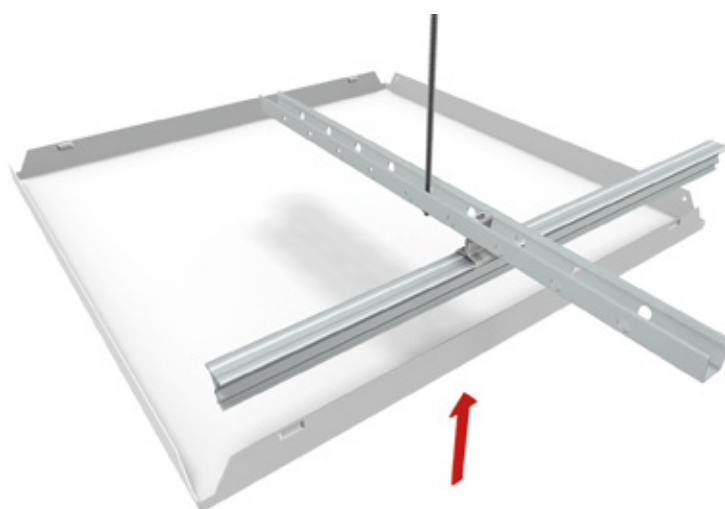


Mounting System Panels

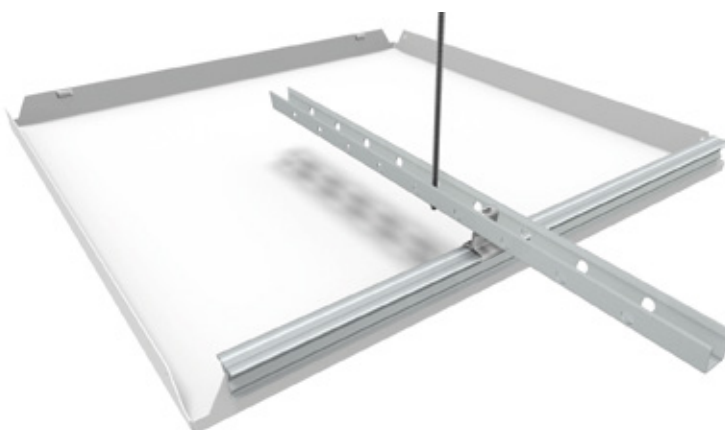
Hook the clip triangle profile through the tab.



Insert panel's sides with ashlar inside the profile triangle.



Mounting system completed.



General informations

Technical standards

All Profilsystem products are CE marked according to EN 13964. They are also accompanied by the Declaration of Performance (D.O.P.) as required by European regulation 305/11 concerning the placing of construction products on the market.

For applications in particularly aggressive environments such as swimming pools, industrial installations with chemical and / or corrosive fumes, check the most suitable material and surface treatment with the technical or commercial office of Profilsystem.

Storage

All products are carefully packed and placed on special pallets and secured by strapping and film wrapping. On request we can provide the package complete of cardboard corners, bubble wrap and polystyrene to reduce the risks during transport.

It is always recommended to handle all packaging with the most care, avoiding shocks and practices that damage the contents. The packed material is stored in closed, clean and dry places until the time of pic-up.

Do not expose filmed products to heat sources and do not leave them under the sun.

Installation

The metal ceiling are installed manually by the installer depending on the type and model you choose.

The material should be stored in closed, clean and dry places until the time of installation.

Do not rest on the ground and not leave the products on site without the original package issued at the time of delivery.

Avoid the contact between material and water, solvents, degreasers and aggressive liquids.

Cleaning and Maintenance

Metal ceilings, thank to the easy washing and cleaning are also a guarantee in terms of hygiene.

To remove dust, stains or smudges you can use carefully a clean, dry cloth or moistened with neutral detergent, or non-abrasive and non-aggressive disinfectants.



Give life to your project

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