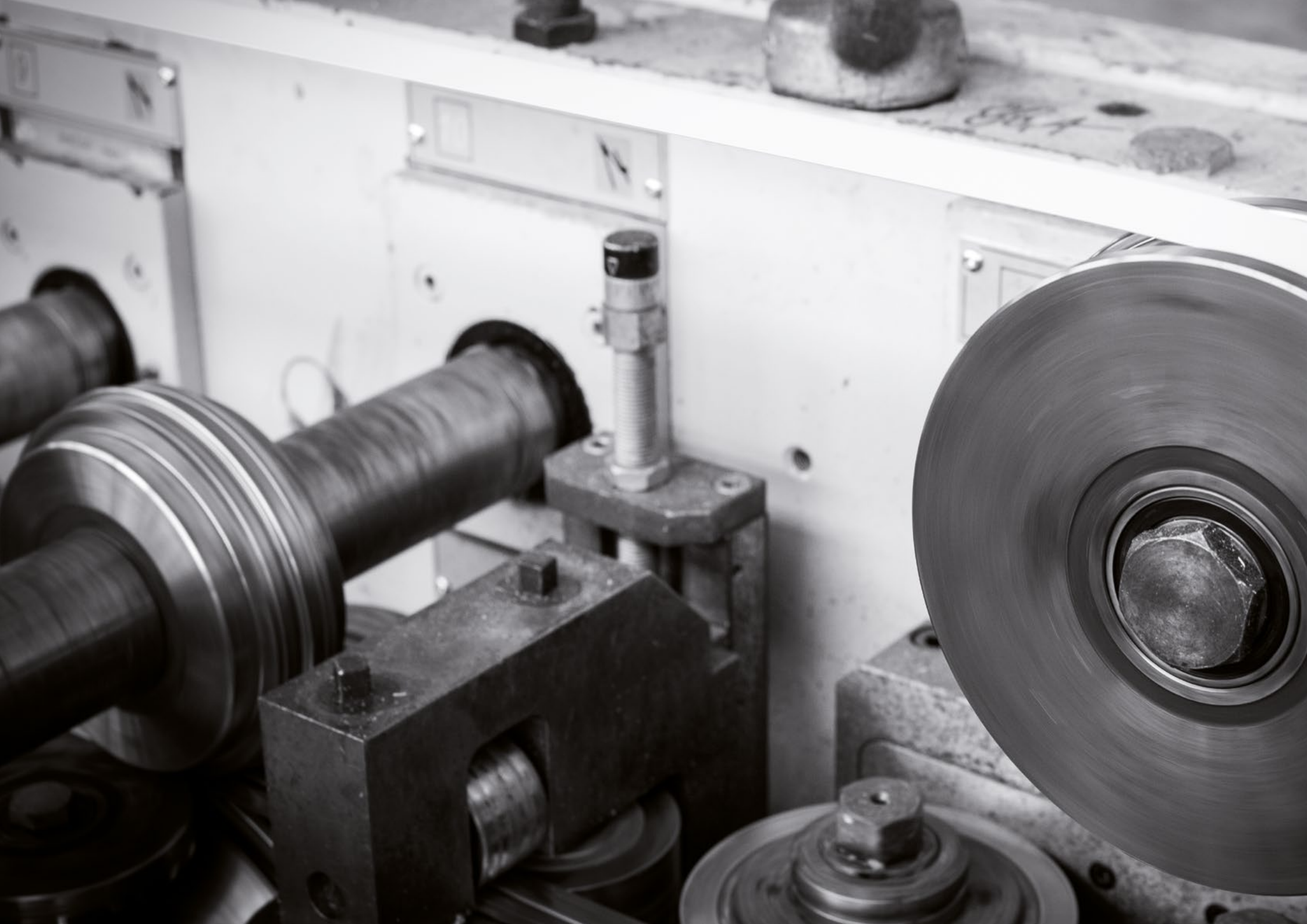
T-Structure

Guerrasio



GUERRASIO

The philosophy of Antonio Guerrasio S.r.l., the company that has been putting its experience at the service of architecture for over 50 years, was born from the meeting of history, craft tradition and advanced technology. A philosophy summarised in the company vision: **technology & ideas for architecture**.

With three production sites, strategically located in northern, central and southern Italy, the production includes, starting from sheet metal coils, the cold working of the sheet by master carpenters, with the support of systems and numerical control machines for bending, pressing, laser cutting and powder coating. Through constant research and development, Antonio Guerrasio S.r.l. produces metal profiles and systems for the sector of technical interior finishes, metal ceiling systems integrated in panels, slats or gratings for civil and religious buildings, for naval furnishings, for the hospital and penitentiary sectors; it also produces ceiling lights and airtight diffusers, patented flexible metal profiles (with the VERTEBRA® brand), road sound barriers and a wide range of completing accessories. And, besides the standardized productions, what makes Antonio Guerrasio S.r.l. unique is the ability to respond to the particular needs of professionals and companies with ad hoc solutions designed for the individual construction site, being able to engineer any architectural proposal thanks to the team of specialized technicians who work in synergy with the designers. Thanks to the new patents and the prizes won over time, today the solid reputation acquired over the years ensures the presence of Antonio Guerrasio products in the most important architectural works, such as in the Guggenheim Museum in Bilbao of the architect Frank O. Gehry, symbol of contemporary architecture.

QUALITY

We are strategic partners to public and private companies because we are able to meet their needs effectively and efficiently. Our business and economic assessments are based on our clients' needs and are founded on respect for corporate issues, work safety and the principles of social responsibility.

This system consists of well-defined processes, applied in a systematic, planned and documented manner, with the following aims:

- guaranteeing respect for compliance with current legislation, environmental, legislation, environmental and occupational health and safety regulations;
- ensuring t the requirements of the customer and stakeholders are well to increase their satisfaction;
- constantly improve the safety and comfort of the working environment and the and the implementation of accident prevention measures;
- reduce the negative effects of its activities on the environment in order to preserve it for future generations;
- optimising the efficiency of business processes;
- increasing the professionalism of its staff;
- operate competitively on the market and improve management results;
- activate an adequate self-monitoring system of the Management System to measure activities, neutralise problems and provide the Management with suitable elements to carry out reviews.

The Management is directly and constantly committed to raising awareness, organising and coordinating those functions and processes that contribute to the development and continuous improvement of the Company System.

PCC cert CERTIFICATE ISO 9001

PCC cert CERTIFICATE ISO 14001

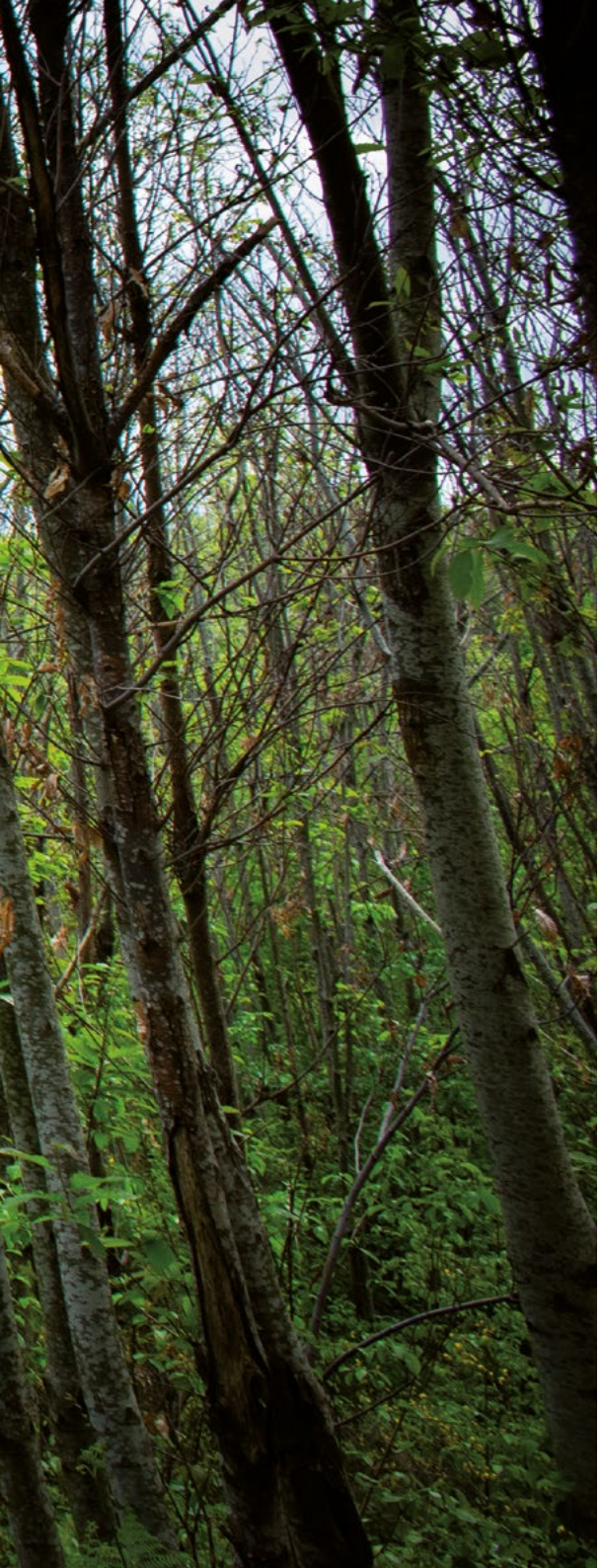
PCC cert CERTIFICATE ISO 45001

PCA AC 082 QMS

ECOEM

PROTOCOLLO LEED

CE



ATTENTION TO THE ENVIRONMENT

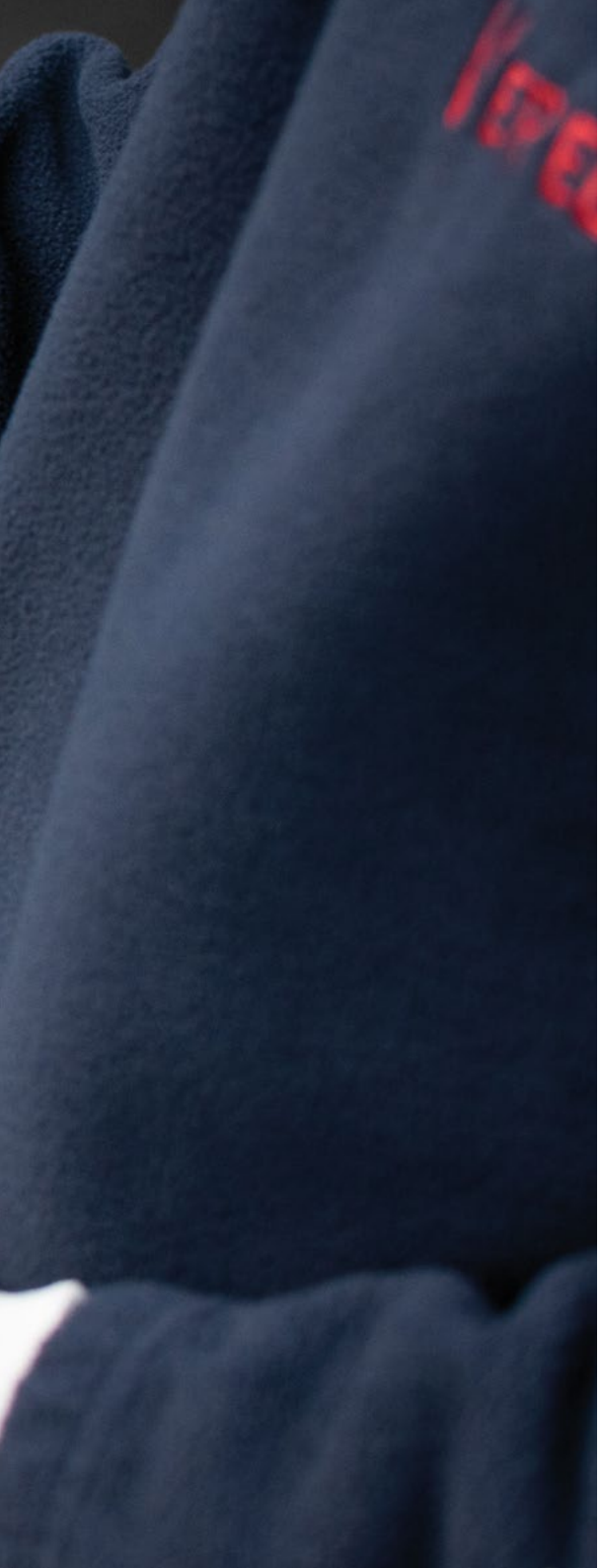
From design to environmentally sustainable construction

The continuous pursuit of quality, respect for the environment and customer and staff satisfaction is demonstrated by the certifications obtained, both for products and services and for production processes.

At Guerrasio we promote and support the protection of the health and well-being of our employees. We behave responsibly in order to minimise risks and we constantly ensure that everyone in the company that everyone in the company works safely. We continuously reduce the negative effects of our environment with the aim of preserving the natural habitat for the benefit of future generations. future generations

Guerrasio products answer to LEED® requirements

This certification is establishing itself as the new world standard for eco-friendly construction and promotes a sustainability-oriented approach. Evaluation on integrated process, optimisation of energy performance, construction and demolition waste management planning, interior lighting and acoustic performance.



CERTIFICATIONS

CE Marking EN 13964 - EN 14195

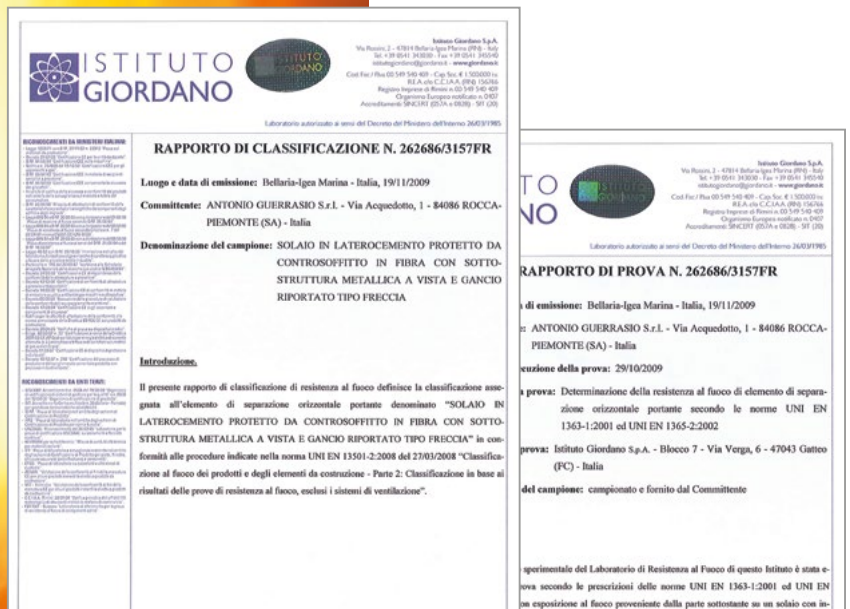
The products included in this catalogue are intended for use inside buildings.
Each product has a Declaration of Performance (DoP).
Reaction to fire: class A1
Durability: class B (building components exposed to variable relative humidity up to 90% and variable temperatures up to 30°C but without corrosive pollutants, except for products in class C5-M).

Normative references

- Construction product according to Regulation (EU) 305/2011
- CE marking on mechanical resistance to bending according to EN 13964
- CE marking on the yield strength according to EN 14195
- Sheet metal quality and coating grade according to EN 10143 and EN 10346

REI 120 CERTIFICATION

The present fire resistance classification report defines the classification assigned to the horizontal load-bearing separation element called " FLOOR OF CLAY PROTECTED BY FIBER FALSE CEILING WITH VISIBLE METAL SUBSTRUCTURE AND "RIPORTATO" HOOK" in accordance with the procedures indicated in standard UNI EN 13501-2 "Fire classification of construction products and building elements - Part 2: Classification using fire resistance test results, excluding ventilation systems.



ISTITUTO GIORDANO

RAPPORTO DI CLASSIFICAZIONE N. 262686/3157FR

Luogo e data di emissione: Bellaria-Igea Marina - Italia, 19/11/2009

Committente: ANTONIO GUERRASIO S.r.l. - Via Acquedotto, 1 - 84086 ROCCAPIEMONTE (SA) - Italia

Denominazione del campione: SOLAIO IN LATEROCEMENTO PROTETTO DA CONTROSOFFITTO IN FIBRA CON SOTTOSTRUTTURA METALLICA A VISTA E GANCIO RIPORTATO TIPO FRECCIA

Introduzione.

Il presente rapporto di classificazione di resistenza al fuoco definisce la classificazione assegnata all'elemento di separazione orizzontale portante denominato "SOLAIO IN LATEROCEMENTO PROTETTO DA CONTROSOFFITTO IN FIBRA CON SOTTOSTRUTTURA METALLICA A VISTA E GANCIO RIPORTATO TIPO FRECCIA" in conformità alle procedure indicate nella norma UNI EN 13501-2:2008 del 27/03/2008 "Classificazione al fuoco dei prodotti e degli elementi da costruzione - Parte 2: Classificazione in base ai risultati delle prove di resistenza al fuoco, esclusi i sistemi di ventilazione".

RAPPORTO DI PROVA N. 262686/3157FR

di emissione: Bellaria-Igea Marina - Italia, 19/11/2009

ANTONIO GUERRASIO S.r.l. - Via Acquedotto, 1 - 84086 ROCCAPIEMONTE (SA) - Italia

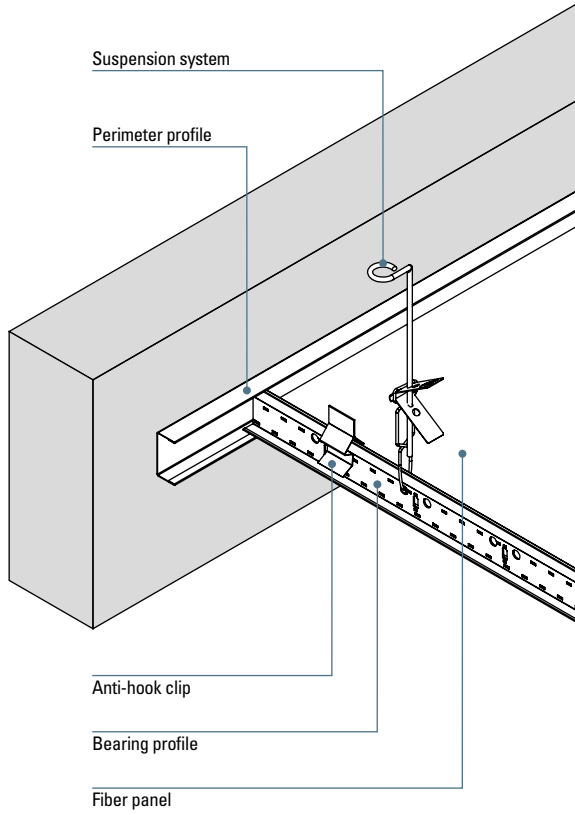
cuzione della prova: 29/10/2009

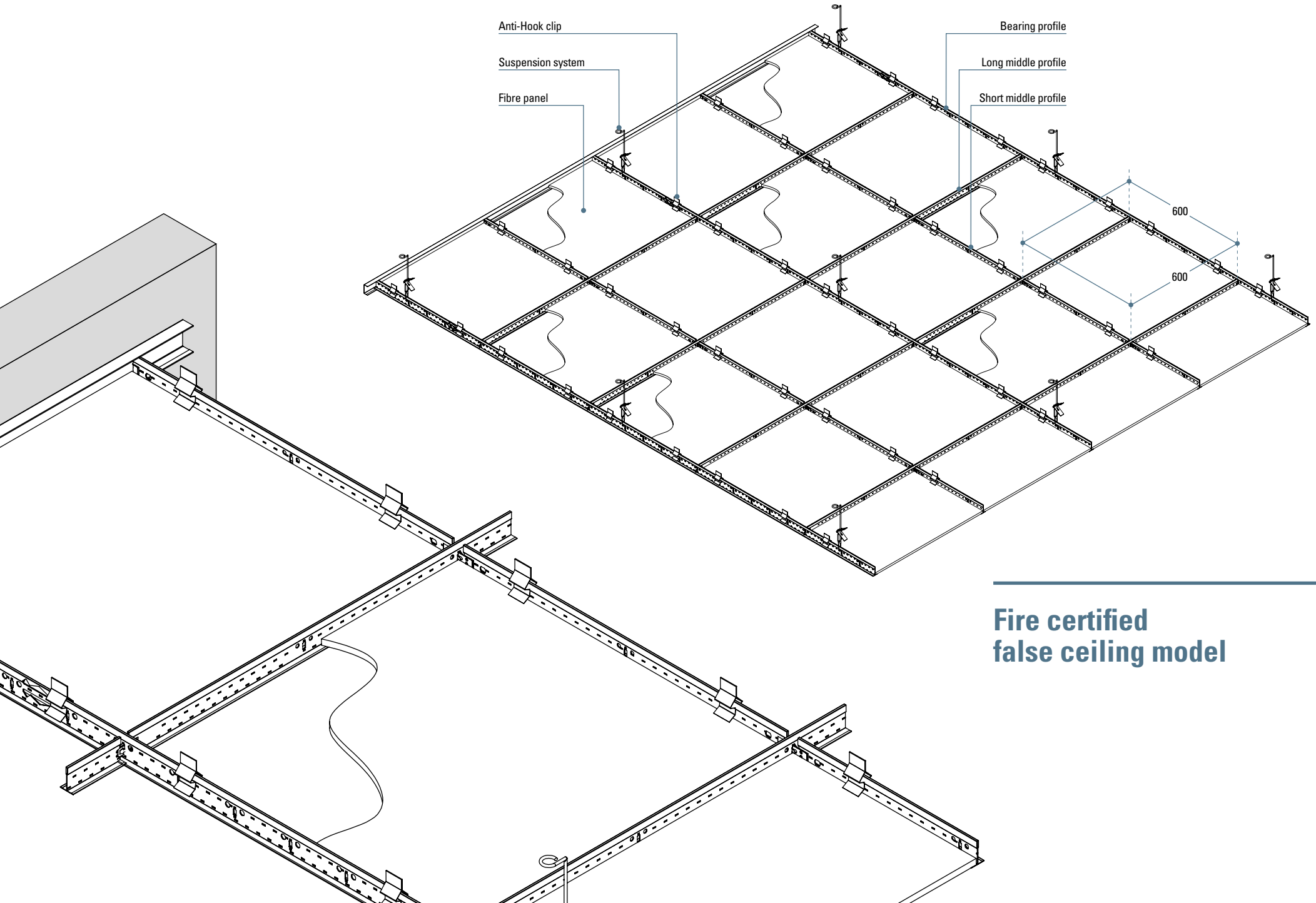
a prova: Determinazione della resistenza al fuoco di elemento di separazione orizzontale portante secondo le norme UNI EN 1363-1:2001 ed UNI EN 1365-2:2002

prova: Istituto Giordano S.p.A. - Blocco 7 - Via Verga, 6 - 47043 Gatteo (FC) - Italia

del campione: campionato e fornito dal Committente

sperimentale del Laboratorio di Resistenza al Fuoco di questo Istituto è stata e-
ova secondo le prescrizioni delle norme UNI EN 1363-1:2001 ed UNI EN
on esposizione al fuoco proveniente dalla parte sottostante su un solaio con in-





Fire certified false ceiling model

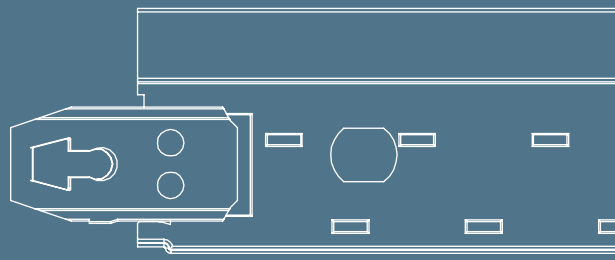
T-Structure

T-Structures for modular false ceilings are still the most popular product in our range. Over the years, we have developed various innovative, earthquake-resistant and at the same time demountable suspension systems. The quality of our profiles is attested by the full marking according to Regulation (EU) 305/2011, which establishes harmonized conditions for the marketing of construction products, and by the CE marking on the product according to European standard EN 13964 (mechanical resistance to bending of ceiling products). Telematically all products are accompanied by the PDO (Declaration of Performance), which indicates the product characteristics according to Annex ZA, such as reaction to fire (EN 13501-1), release of hazardous substances, thickness, load, yield strength, durability and flexural class. The CE mark and the information is applied to the product in question. The product has a REI120 fire resistance certificate (13501-2) in combination with rock wool or fibre panels with equivalent characteristics - concrete floor of clay.

Thanks to the use of our LEED mapping obtained in cooperation with TUV Italy, the products contribute to meeting the credits of LEED certification by analysing all the aspects for which they contribute to the sustainability of buildings in terms of their recycled material content as well as their energy contribution which they make.

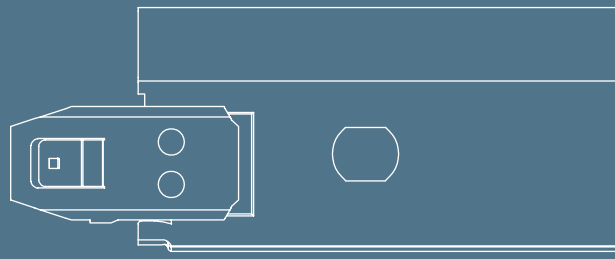
FRECCIA

overlapping profile
with "riportato" hook



X SEISMIC

overlapping profile
with "riportato" anti-seismic hook

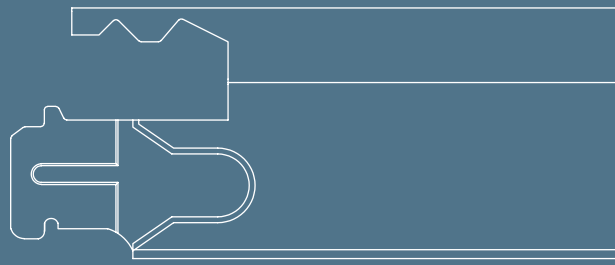


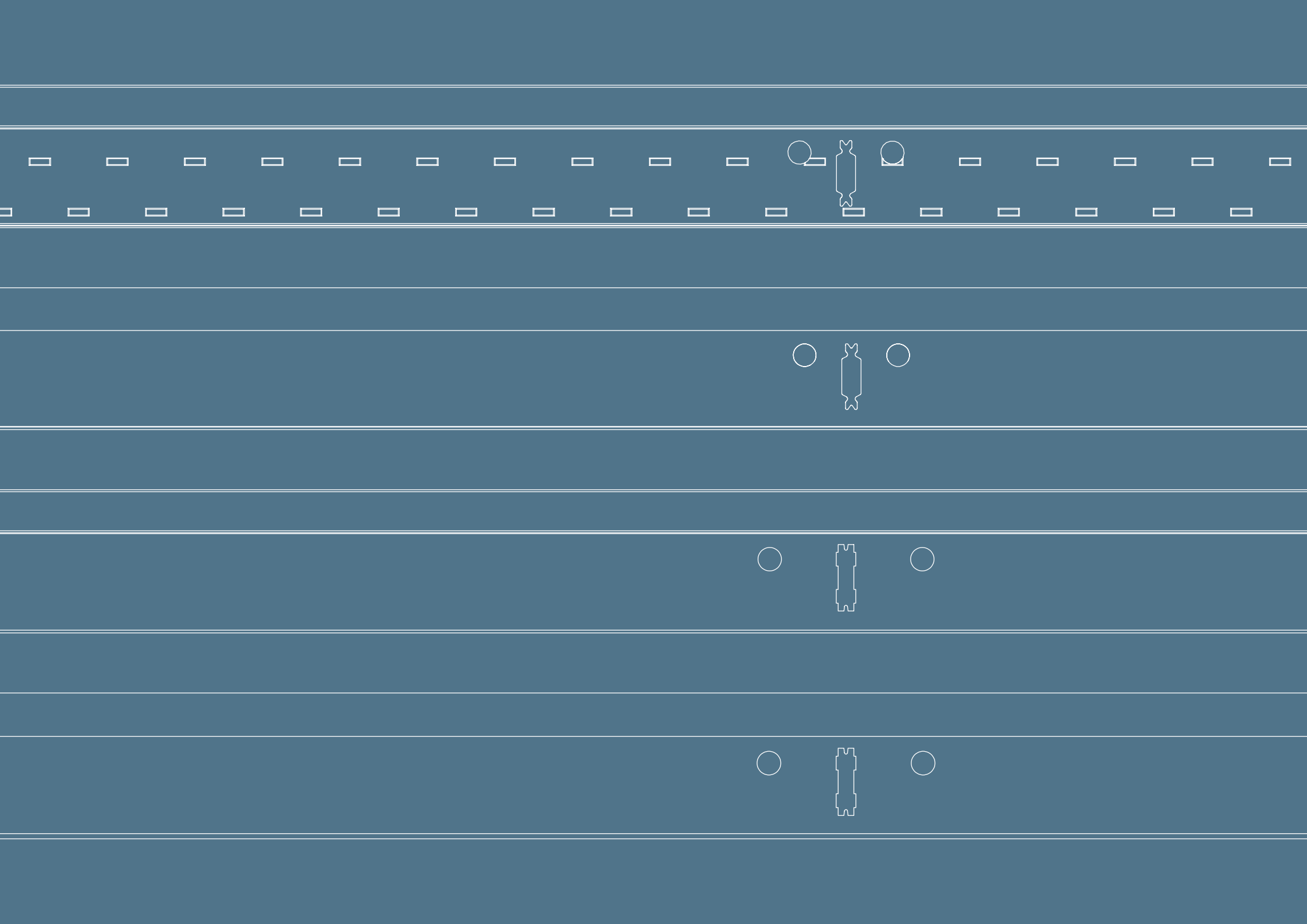
CLASSIC LINE

overlapping profile
with "ricavato" hook

BAIONETTA

jointed profile
with "ricavato" hook





Overlapping profile with "riportato" hook

Freccia for **T24** and **T15** is the point of reference for applicators. With Freccia it is possible to produce multiple modules based on metric (mm) and imperial (inch) systems.
The strong point is that the profile can be assembled and removed without any damage to the "riportato" hook and made of stainless steel.
For the production of the T-Structure, standard version uses hot-dip Galvanized steel according to EN 10346. If other types of steel are used, the substructures are produced from materials in accordance with EN 10152, EN 10169-1.
The tolerances and thicknesses checked in accordance with the requirements of EN 10143 (for EN 10346 and EN 10169) and EN 10131 (for EN 10152).

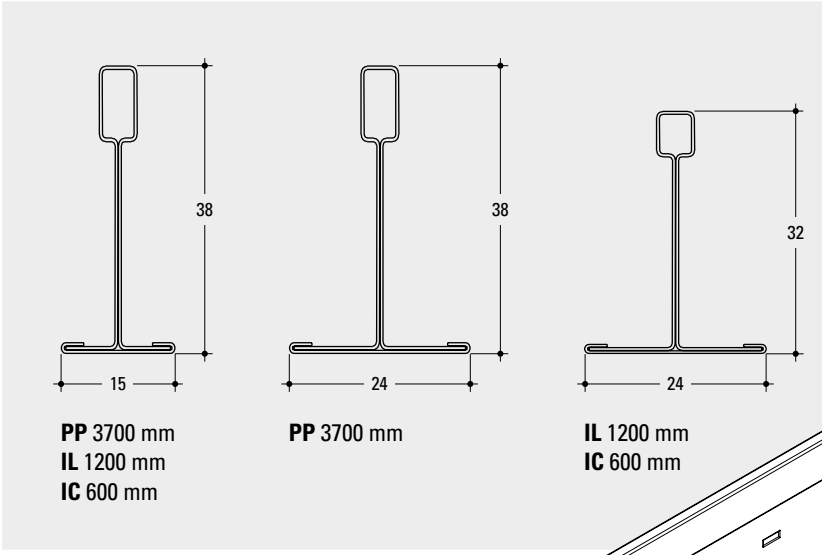
"T" profile for modular false ceilings, dim. 24x38 and 24x32mm, made of galvanized steel with white or coloured finishing, equipped with a clip-on system with high resistance to tension, which facilitates the insertion or detachment of the transversal profile by simple finger pressure. The shape of the top of the profile and the stitching ensure optimal torsion resistance. The structure is suitable for creating standard indoor false ceilings and for false ceilings with anti-seismic characteristics.

Technical specifications

Structure material:	Galvanized steel DX51D+Z100 MAC
Coating material:	Zinc plated steel DX51D+Z100 MAC
Hook material:	Stainless steel
Connection between profiles:	Bearing: arrow pressed hook Secondary: clip hook
Colour of coating:	Pre-painted White DONN-WHITE Silver / Black Mirror aluminium
Weight of structure:	ca. 1 Kg/m²
Medium load capacity:	52,3 N
Fire reaction:	Class A1
Organic coating:	Polyester paint 25µm
Breaking load:	281 N/mm²
Durability:	Class B
Flexion class:	1 (UNO) T24 2 (DUE) T15
Packaging:	Cardboard box with plastic strapping
Exposure class:	A

"Freccia" profile is also produced in versions:

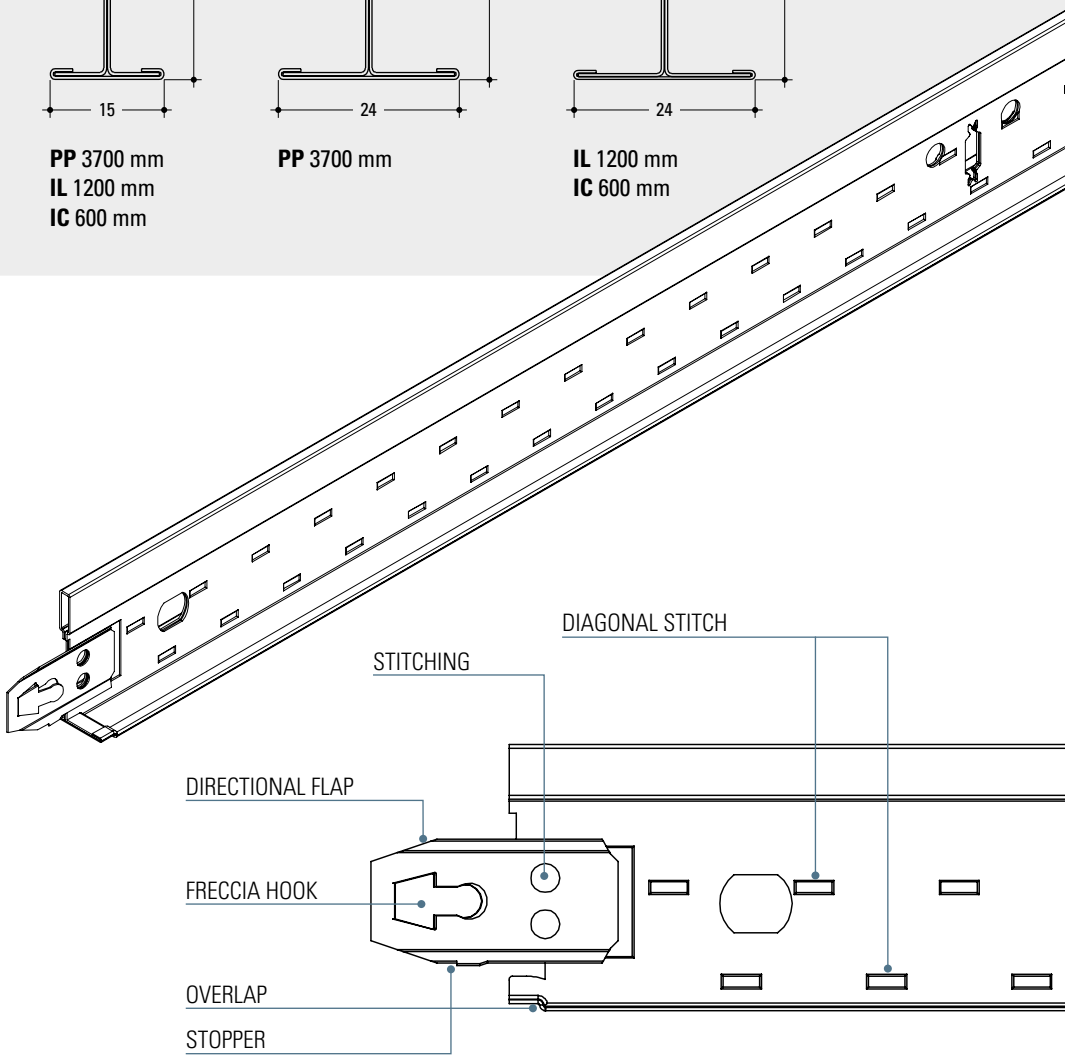
- with antibacterial treatment for which the microbial population is reduced by more than 95% after 24 hours according to ISO 22196;
- with an anticorrosive treatment depending on the degree of corrosion required, which with special treatments to prevent galvanic currents and corrosion of the structure;
- in aluminium alloy, suitable for both the diagnostic field (non-magnetic environments) and the community where a higher degree of protection is required (e.g. swimming pools and spa areas, with a concentration of humidity and chlorine).

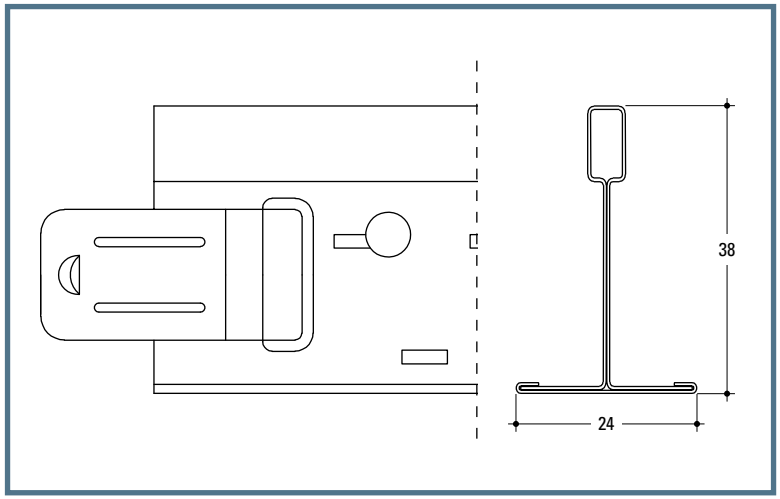


PP 3700 mm
IL 1200 mm
IC 600 mm

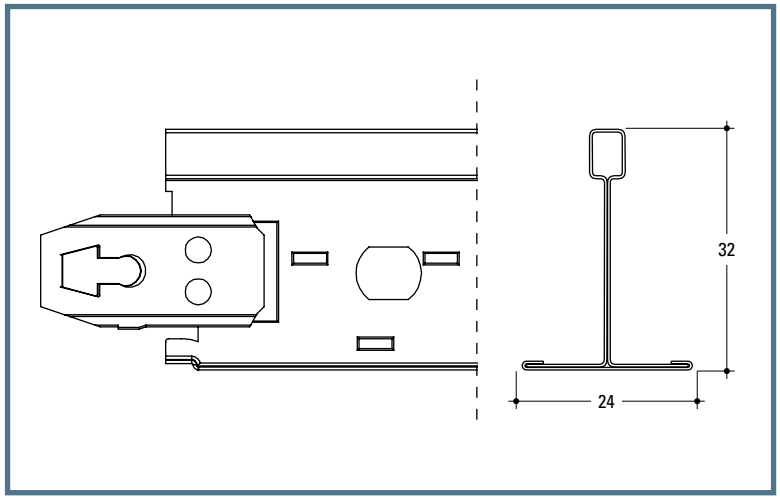
PP 3700 mm

IL 1200 mm
IC 600 mm





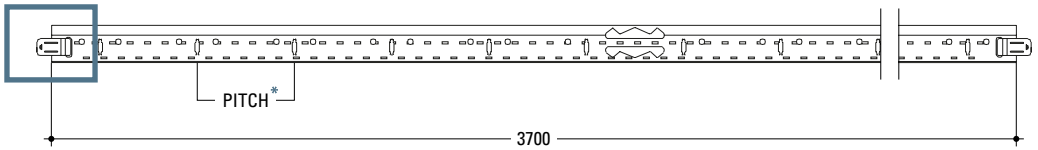
Dect. 1



Dect. 2

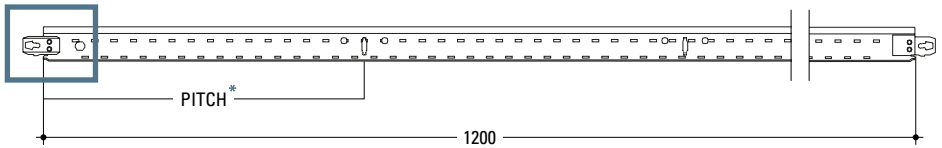
PP - bearing profile

Dect. 1



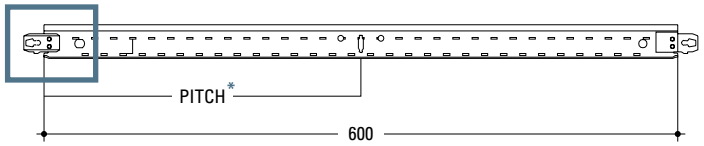
IL - long middle profile

Dect. 2



IC - short middle profile

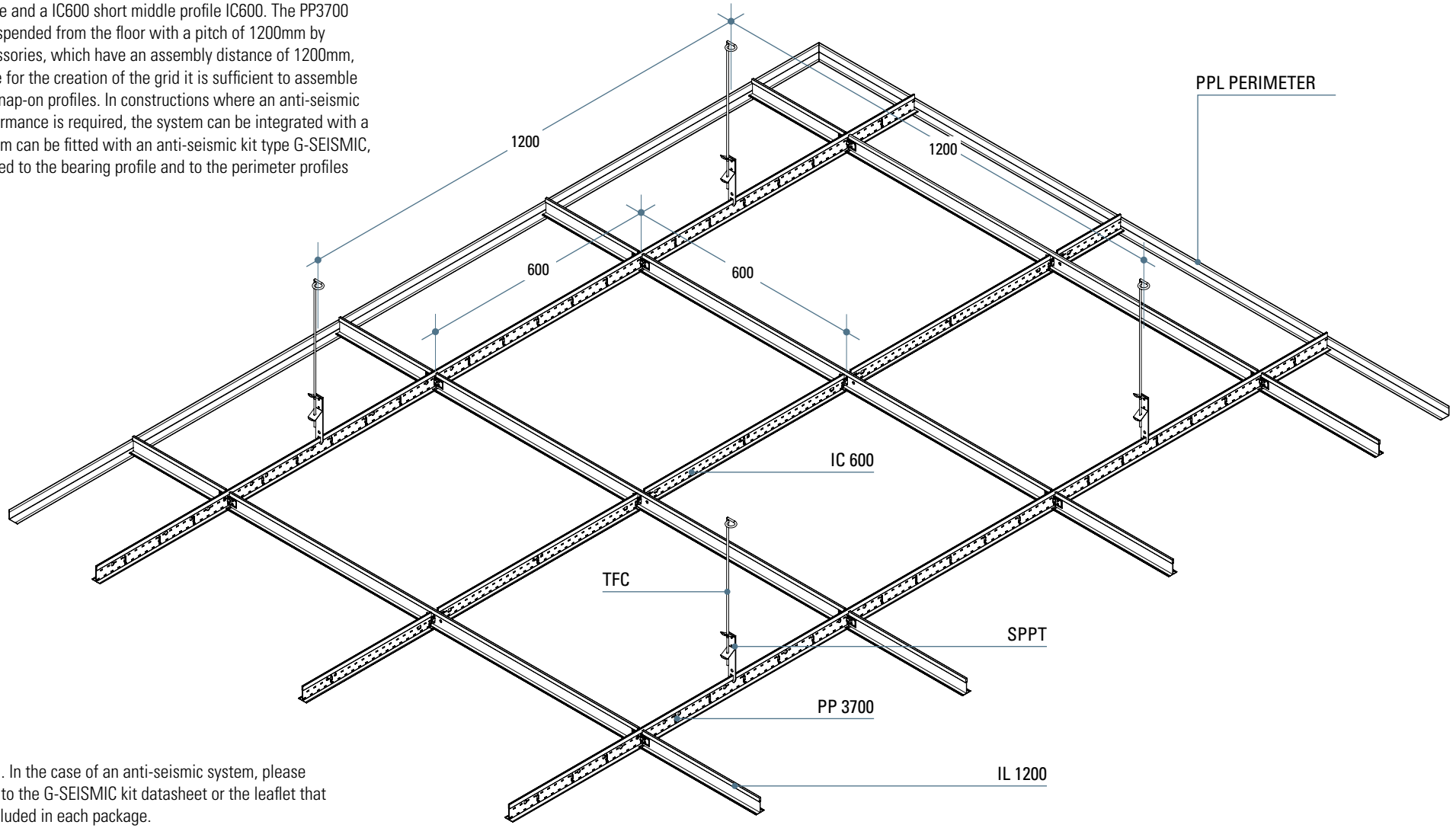
Dect. 2



* The **T-Structure** has several pitches of slots to create different modules. These can be found on page 52

T-profile "FRECCIA" INSTALLATION

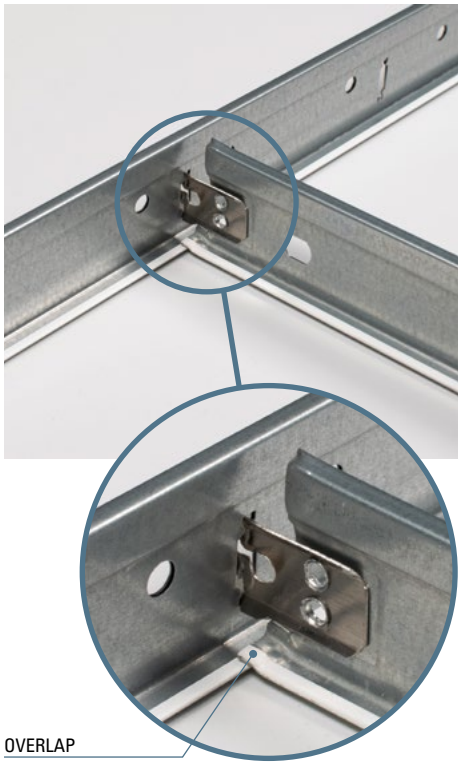
The visible substructure is composed of a T-section profile, made up of a PP3700 bearing profile, a IL200 long middle profile and a IC600 short middle profile IC600. The PP3700 is suspended from the floor with a pitch of 1200mm by accessories, which have an assembly distance of 1200mm, while for the creation of the grid it is sufficient to assemble the snap-on profiles. In constructions where an anti-seismic performance is required, the system can be integrated with a system can be fitted with an anti-seismic kit type G-SEISMIC, applied to the bearing profile and to the perimeter profiles



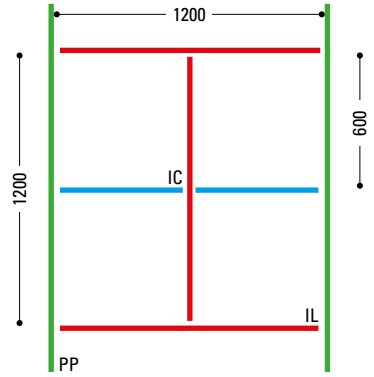
N.B. . In the case of an anti-seismic system, please refer to the G-SEISMIC kit datasheet or the leaflet that is included in each package.

ASSEMBLY STEP

- After defining the height of the false ceiling, mark it on the walls with a laser or a coloured wire
- Install the perimeter profile with appropriate dowels with an average pitch of 600 mm
- After having identified the fixing area of the suspensions, create a mesh with a 1200 mm spacing (special cases are excluded from this indication)
- Firmly anchor the pendants and insert the PP3700 profile inside them, place it horizontally and make sure it is positioned on the perimeter profile
- Install the bearing profiles with a pitch of 1200 mm, proceed with the assembly of the other profiles (IL, IC) and create the desired module
- Insert the panels for the final closure of the false ceiling

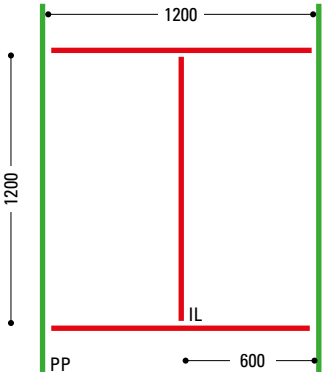


MODULE CONFIGURATION



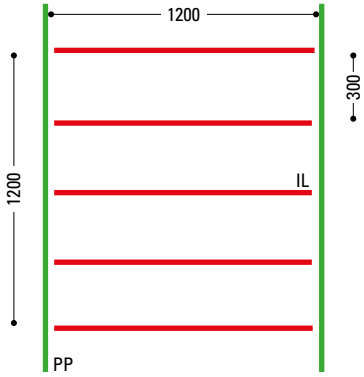
Module 600x600

Incidences:	PP 3700	0.83 ml/mq
	IL 1200	1.67 ml/mq
	IC 600	0.83 ml/mq



Module 600x1200

Incidences:	PP 3700	0.83 ml/mq
	IL 1200	1.67 ml/mq



Module 300x1200

Incidences:	PP 3700	0.83 ml/mq
	IL 1200	3.33 ml/mq

The visible substructure is formed by a "T" section profile, composed of a PP3700 bearing profile, a IL1200 long middle profile and a IC600 short middle profile. The PP3700 is suspended from the floor at a pitch of 1200mm by means of accessories, which have an assembly distance of 1200mm, while for the realisation of the grid it is sufficient to assemble the snap-on profile.

PP - bearing profile

IL - long middle profile

IC - short middle profile

X SEISMIC

Overlapping profile with "riportato" anti-seismic hook

X Seismic for **T24** and **T15**, they are profiles that can be used to create multiple modules based on both metric (mm) and imperial (inch) systems.
The main feature of the profile is the stainless steel hook, which permits simple and intuitive assembly, providing a solid lock.
For the production of the T-Structure, hot-dip galvanised steel in accordance with EN 10346 is used in the standard version; if other types of steel are employed, the substructures are produced with materials in accordance with EN 10152, EN 10169-1.
The tolerances and thicknesses checked in accordance with the requirements of EN 10143 (for EN 10346 and EN 10169) and EN 10131 (for EN 10152).

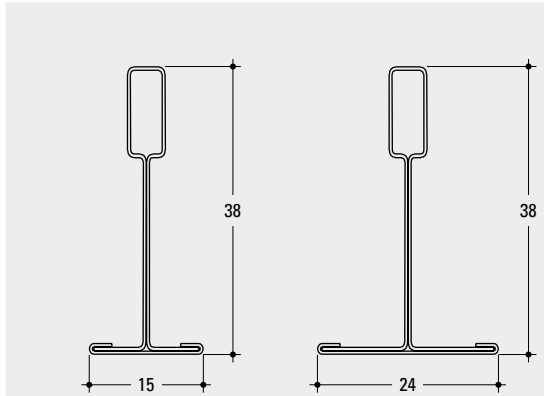
"T" profile for modular false ceilings, dim. 24x38 and 15x38mm, made of galvanized steel with white or coloured pre-painted finishing, equipped with a clip-on system with high resistance to tension, which facilitates the insertion of the transversal profile by a simple pressure. The design of the top of the profile ensures optimal torsion resistance. The structure is suitable for creating standard indoor false ceilings and for false ceilings with anti-seismic characteristics.

Technical specifications

Structure material:	Galvanized steel DX51D+Z100 MAC
Coating material:	Zinc plated steel DX51D+Z100 MAC
Hook material:	Stainless steel
Connection between profiles:	Bearing: profile "ricavato" hook Secondary:"riportato" hook
Colour of coating:	Pre-painted White DONN-WHITE Silver / Black Mirror aluminium
Weight of structure:	ca. 1 Kg/m²
Medium load capacity:	52,3 N
Fire reaction:	Class A1
Organic coating:	Polyester paint 25µm
Breaking load:	281 N/mm²
Durability:	Class B
Flexion class:	1 (UNO) T24 2 (DUE) T15
Packaging:	Cardboard box with plastic strapping
Exposure class:	A

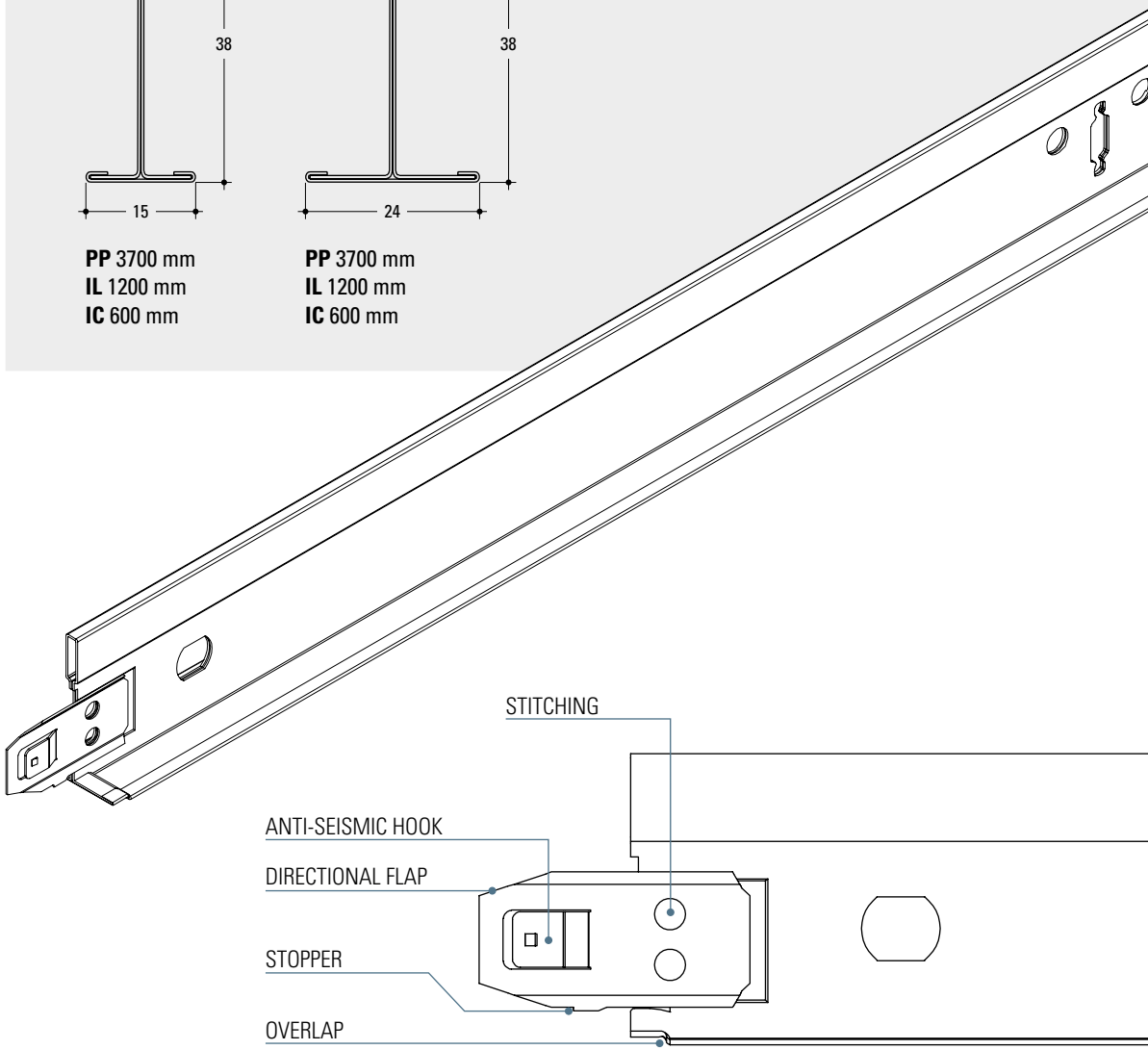
The "X Seismic" profile is also produced in versions:

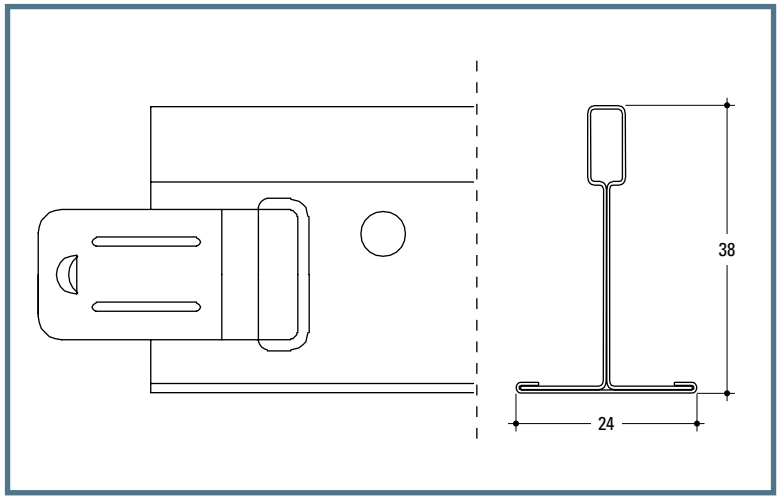
- with an antibacterial treatment for which the microbial population is reduced by more than 95% after 24 hours according to ISO 22196;
- with an anti-corrosive treatment according to the required degree of corrosion, which with special treatments prevents galvanic currents and corrosion of the structure;
- in aluminium alloy, suitable both for diagnostic purposes (non-magnetic environments) and in the community where a higher degree of protection is required (e.g. swimming pools and thermal areas, with a concentration of humidity and chlorine).



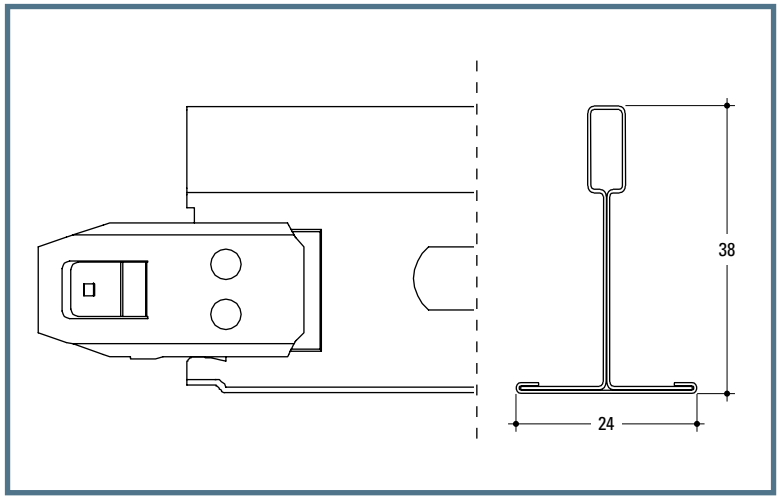
PP 3700 mm
IL 1200 mm
IC 600 mm

PP 3700 mm
IL 1200 mm
IC 600 mm





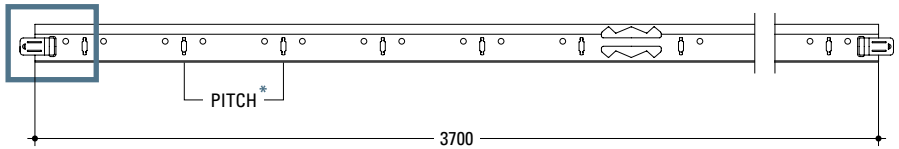
Dect. 1



Dect. 2

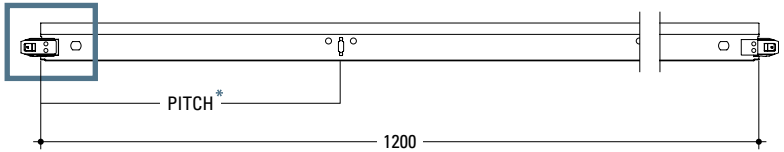
PP - supporting profile

Dect. 1



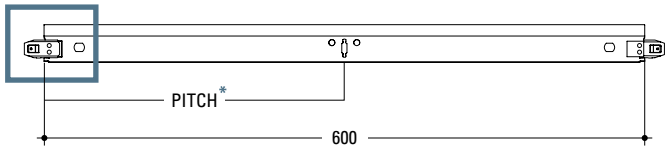
IL - long middle profile

Dect. 2



IC - short middle profile

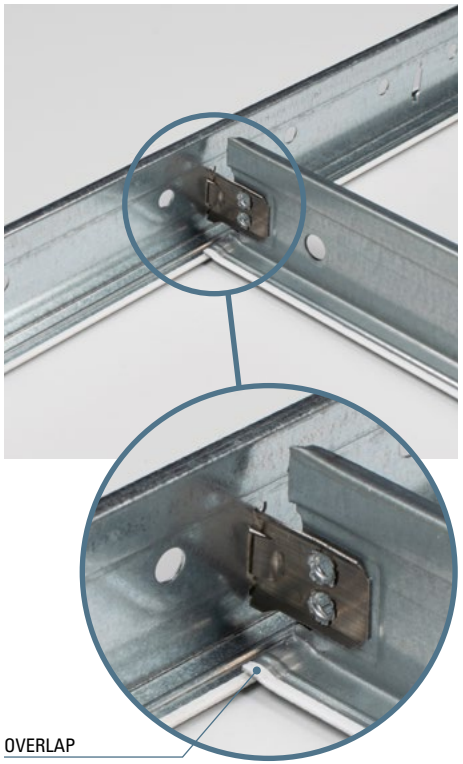
Dect. 2



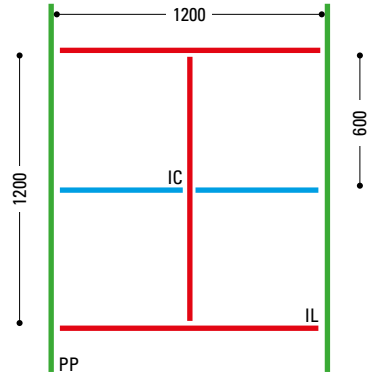
* The **T-Structure** has several pitches of slots to create different modules. These can be found on page 53

ASSEMBLY PHASES

- After having determined the height of the false ceiling, mark it on the walls with a laser or a coloured wire
- Install the perimeter profile with appropriate plugs with an average pitch of 600 mm
- After having identified the fixing area of the suspensions, create a mesh with a distance between centres of 1200 mm (special cases are excluded from this indication)
- Securely anchor the pendants and insert the PP3700 inside them, place it on a horizontally and make sure it rests on the perimeter profile
- Install the bearing profiles with a pitch of 1200 mm, proceed with the assembly of the other profiles (IL, IC) and create the desired module
- Insert the panels for the final closure of the false ceiling

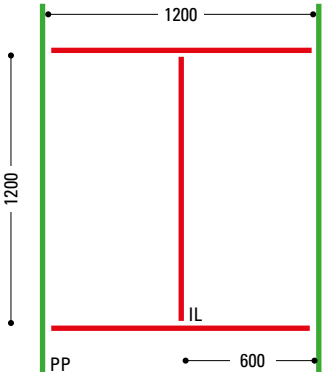


MODULE CONFIGURATION



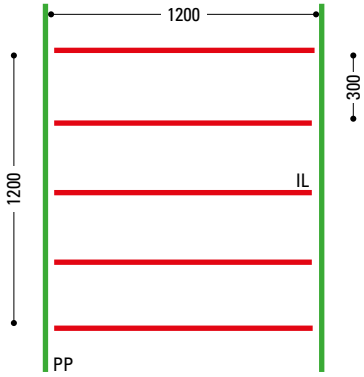
Module 600x600

Incidences:	PP 3700	0.83 ml/mq
	IL 1200	1.67 ml/mq
	IC 600	0.83 ml/mq



Module 600x1200

Incidences:	PP 3700	0.83 ml/mq
	IL 1200	1.67 ml/mq



Module 300x1200

Incidences:	PP 3700	0.83 ml/mq
	IL 1200	3.33 ml/mq

The visible substructure is made up of a T-section profile, composed of a PP3700 bearing profile, a IL1200 long middle profile and a IC600 short middle profile. The P3700 is suspended from the floor slab with a pitch of 1200mm by accessories, which have an assembly distance of 1200mm, while for the construction of the grid it is sufficient to assemble the snap-on profiles.

PP - bearing profile

IL - long middle profile

IC - short middle profile

CLASSICLINE

Overlapping ping profile with "riportato" hook

Classic Line for T24 and T15, they are profiles with which it is possible to create multiple modules based on the metric (mm) and imperial (inch) system.
The most important feature of the profile is its classic line with a "ricavato" hook, which guarantees solidity and strength.
For the production of the T-Structure, hot-dip galvanized steel in accordance with EN 10346 is used in the standard version; if other types of steel are employed, the substructures are produced with materials in accordance with EN 10152, EN 10169-1.
The tolerances and thicknesses checked in accordance with the requirements of EN 10143 (for EN 10346 and EN 10169) and EN 10131 (for EN 10152).

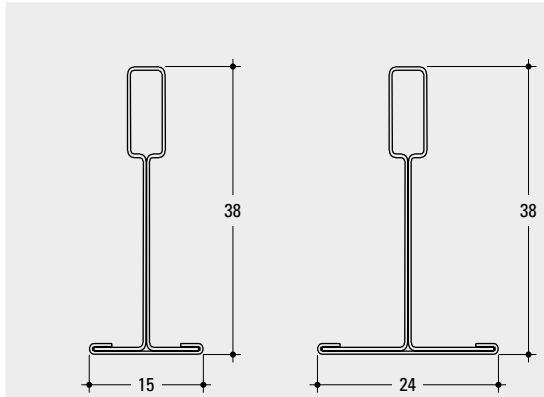
"T" profile for modular false ceilings, dim. 24x38 and 15x38mm, made of galvanized steel with a white or coloured pre-painted finishing, equipped with a "ricavato" hook system with high resistance to tension, which facilitates the insertion of the transversal profile. The design of the top of the profile ensures optimal torsion resistance. The structure is suitable for the creation of standard indoor ceilings and for false ceilings with anti-seismic characteristics.

Technical specifications

Structure material:	Galvanized steel DX51D+Z100 MAC Alluminio (Lega 3000H64)
Coating material:	Zinc plated steel DX51D+Z100 MAC Alluminio preverniciato (Lega 3000H64)
Connection between profiles:	Bearing: profile "ricavato" hook Secondary: clip hook
Colour of coating:	Pre-painted White DONN-WHITE Silver / Black Mirror aluminium
Weight of structure:	ca. 1 Kg/m²
Medium load capacity:	52,3 N
Fire reaction:	Class A1
Organic coating:	Polyester paint 25µm
Breaking load:	281 N/mm²
Durability:	Class B
Flexion class:	1 (ONE) T24 2 (TWO) T15
Packaging:	Cardboard box with plastic strapping
Exposure class:	A

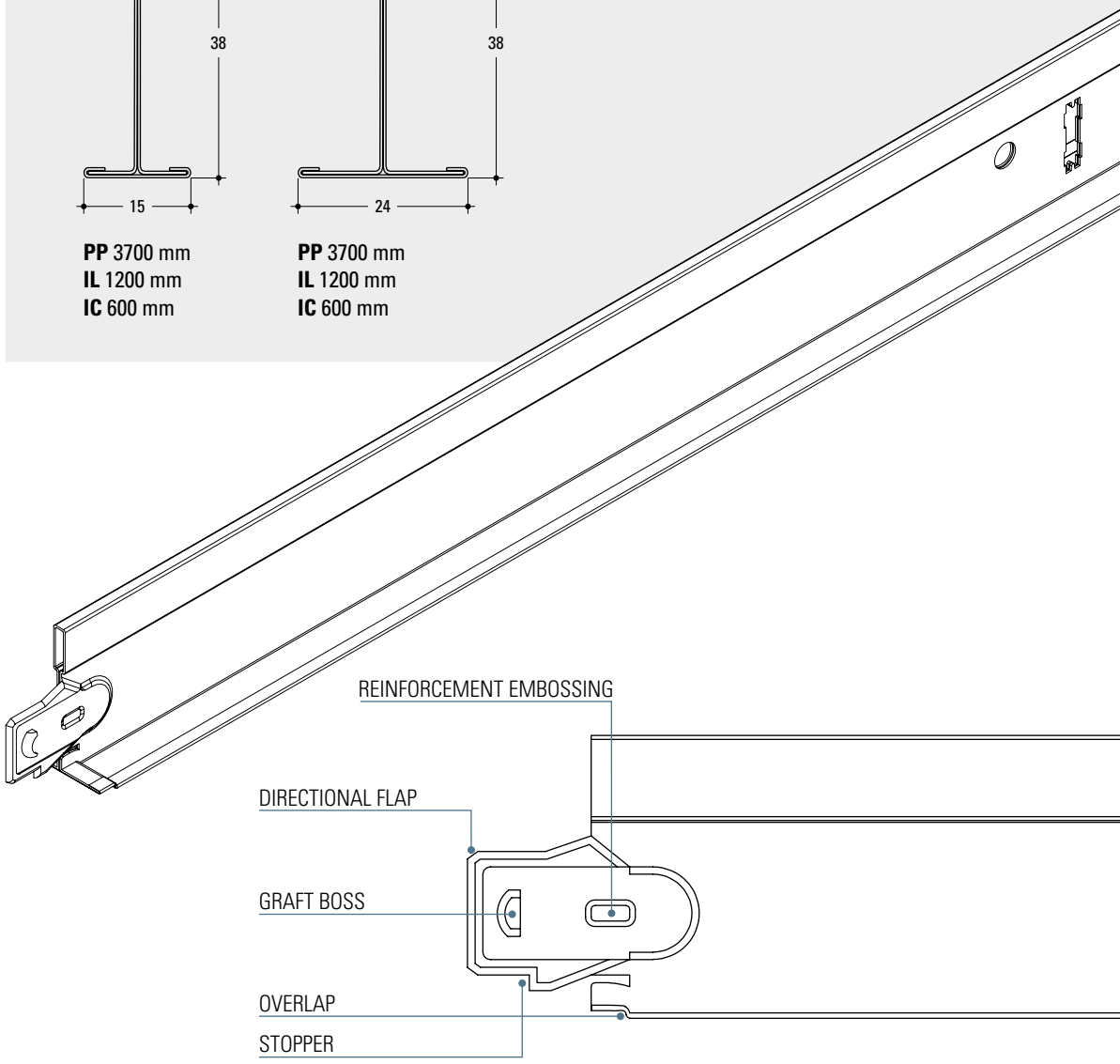
The "Classic Line" profile is also produced in versions:

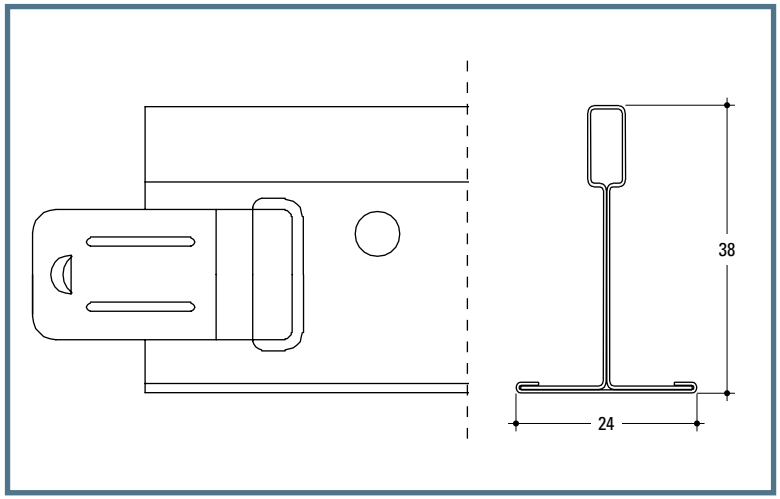
- with an antibacterial treatment for which the microbial population is reduced by more than 95% after 24 hours according to ISO 22196;
- with an anti-corrosion treatment depending on the degree of corrosion required which with special treatments prevent galvanic currents and corrosion of the structure;
- in aluminium alloy, suitable for both diagnostic purposes (non-magnetic environments) and where a higher degree of protection is required (e.g. swimming pools and thermal (e.g. swimming pools and spa areas, with a concentration of humidity and chlorine).



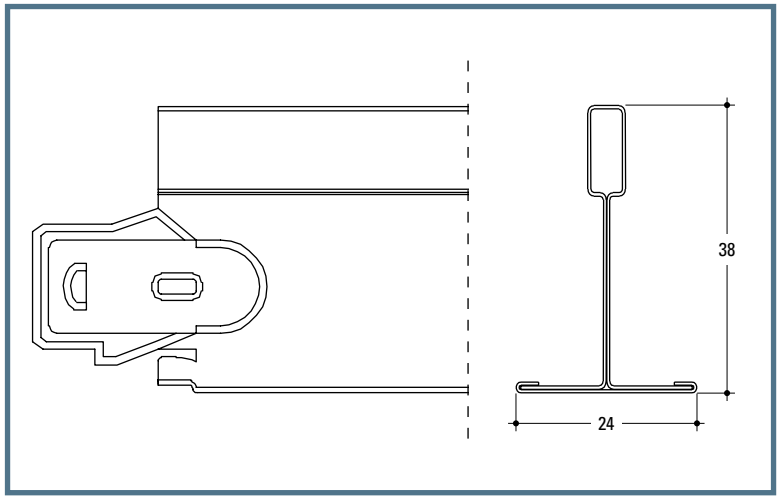
PP 3700 mm
IL 1200 mm
IC 600 mm

PP 3700 mm
IL 1200 mm
IC 600 mm





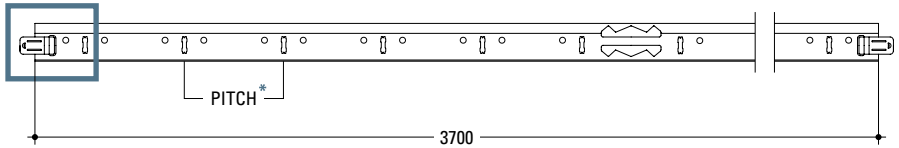
Dect. 1



Dect. 2

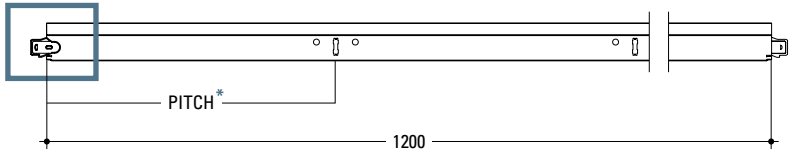
PP - supporting profile

Dect. 1



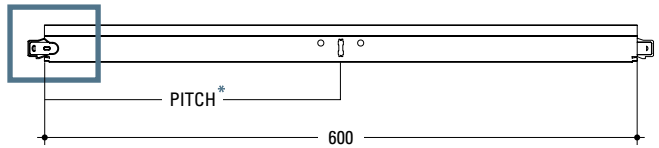
IL - long middle profile

Dect. 2



IC - short middle profile

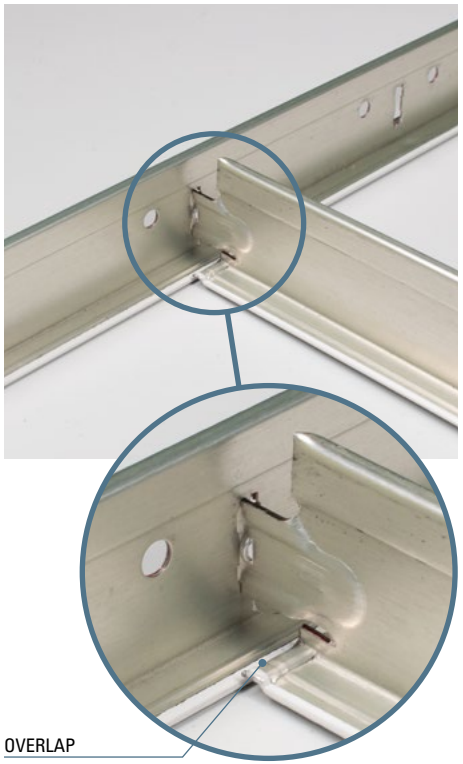
Dect. 2



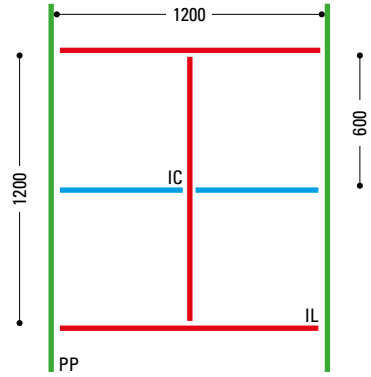
* The **T-Structure** has several pitches of slots to create different modules. These can be found on page 54

ASSEMBLY STEPS

- After having determined the height of the false ceiling, mark it on the walls with a laser or a coloured wire
- Install the perimeter profile with appropriate plugs with an average pitch of 600 mm
- After having identified the fixing area of the suspensions, create a mesh with a 1200 mm spacing (special cases are excluded from this indication)
- Securely anchor the pendants and insert the PP3700 inside them, place it on a level surface and make sure it rests on the perimeter profile
- Install the bearing profiles with a 1200 mm pitch, proceed with the assembly of the other profiles (IL, IC) and create the desired module
- Insert the panels for the final closure of the false ceiling

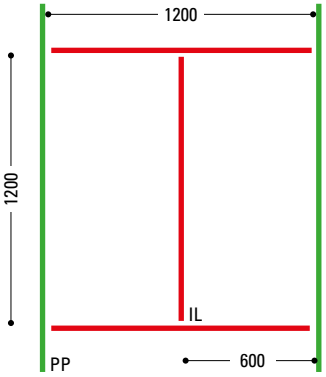


MODULE CONFIGURATION



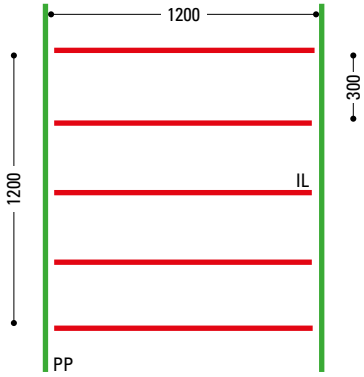
Module 600x600

Incidences:	PP 3700	0.83 ml/mq
	IL 1200	1.67 ml/mq
	IC 600	0.83 ml/mq



Module 600x1200

Incidences:	PP 3700	0.83 ml/mq
	IL 1200	1.67 ml/mq



Module 300x1200

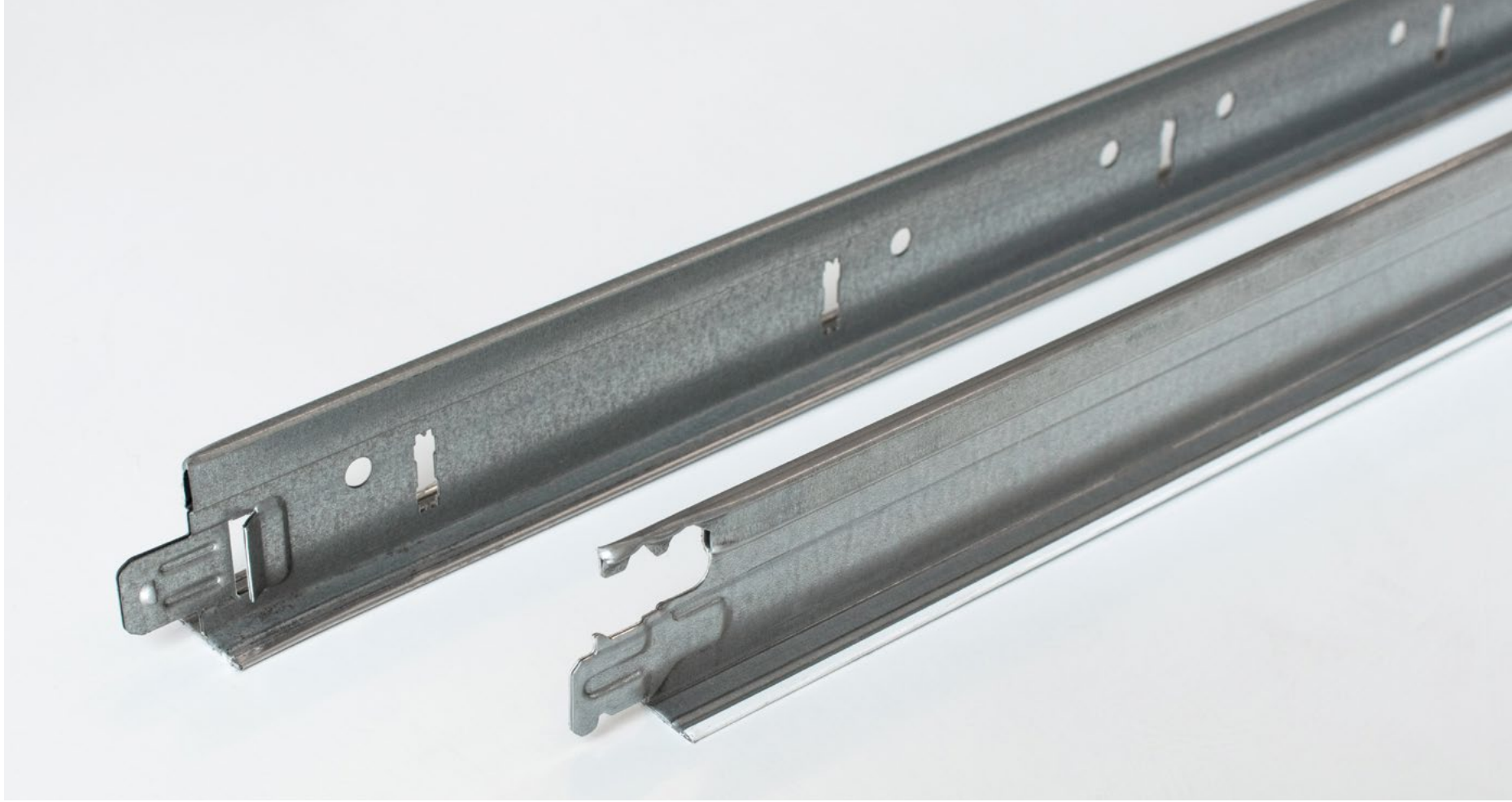
Incidences:	PP 3700	0.83 ml/mq
	IL 1200	3.33 ml/mq

The visible substructure is formed by a T-section profile, consisting of a PP3700 supporting profile, an IL1200 long middle profile and an IC600 short middle profile. The PP3700 is suspended from the ceiling with a pitch of 1200mm by means of accessories, while for the realisation of the grid it is sufficient to assemble the interlocking profiles.

PP - supporting profile

IL - long middle profile

IC - short middle profile



BAIONETTA

Jointed profile with "ricavato" hook

Baionetta for **T24** is the profile with which it is possible to create multiple modules based on both the Metric (mm) and Imperial (inch) system.
The feature that most distinguishes the profile is its line, with a "ricavato" hook and reinforced boss ensuring solidity and strength.
For the production of the T-Structure, hot-dip galvanized steel in accordance with EN 10346 is used in the standard version; if other types of steel are employed, the substructures are produced with materials in accordance with EN 10152, EN 10169-1.
Tolerances and thicknesses checked according to the requirements of EN 10143 (for EN 10346 and EN 10169) and EN 10131 (for EN 10152)

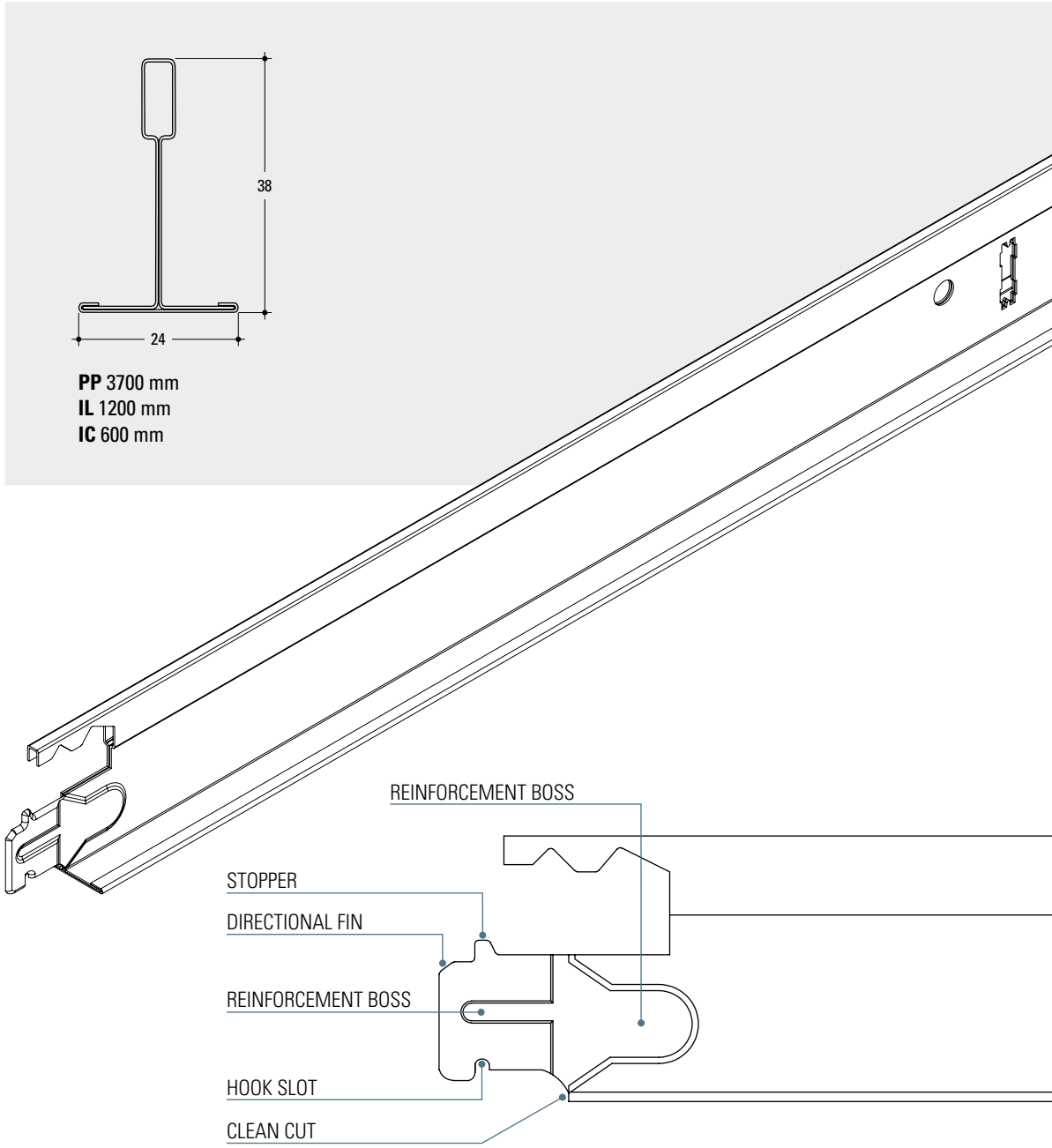
"T" profile for modular false ceilings, dim. 24x38 and 15x38mm, made of galvanised steel with white or coloured pre-painted coating, equipped with a recessed hook system with high resistance to tension, which facilitates the insertion of the transversal profile. The shape of the top of the profile ensures optimal torsion resistance. The structure is suitable for creating standard indoor ceilings and for false ceilings with anti-seismic characteristics.

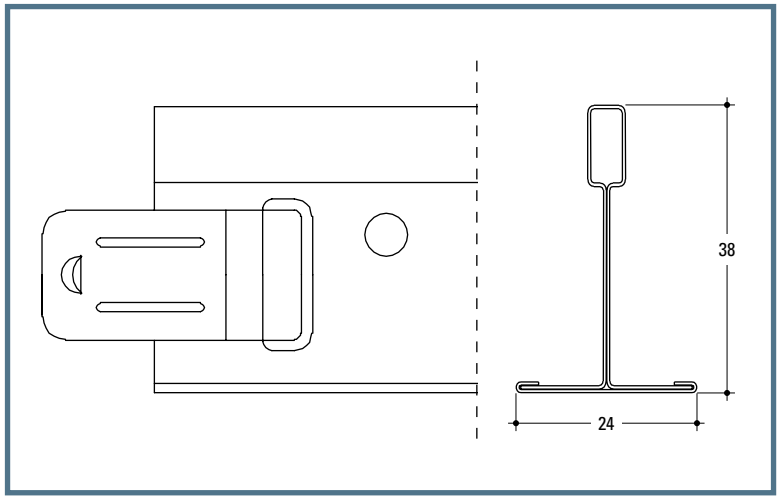
Technical specifications

Structure material: Coating material:	Galvanized steel DX51D+Z100 MAC Pre-painted steel DX51D+Z100 MAC
Connection between profiles:	Bearing: "ricavato" hook Secondary: Baionetta "ricavato" hook
Cladding colour:	Pre-painted DONN-WHITE Silver / Black Mirror aluminium
Weight of structure:	ca. 1 Kg/m²
Medium load capacity:	52,3 N
Fire reaction:	Class A1
Organic coating:	polyester paint 25µm
Breaking load:	281 N/mm²
Durability:	Class B
Flexion class:	1 (UNO) T24 2 (DUE) T15
Packaging:	Cardboard box with plastic strapping
Exposure class:	A

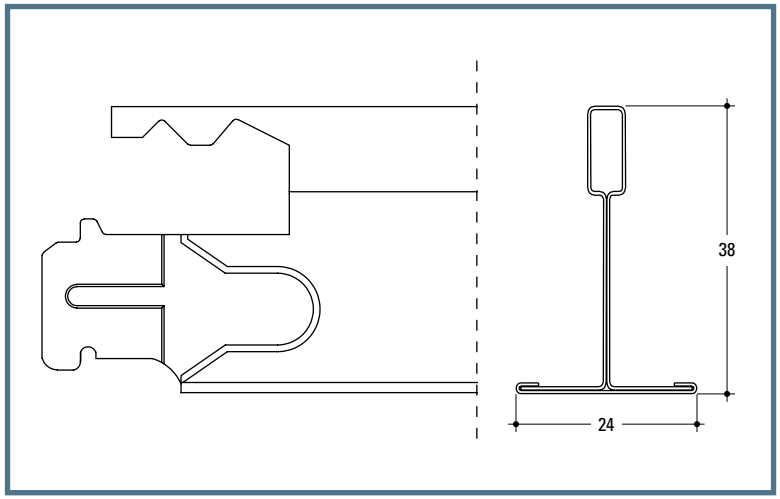
The "Baionetta" profile is also available in the following versions:

- with an antibacterial treatment for which the microbial population is reduced by more than 95% after 24 hours according to ISO 22196;
- with an anti-corrosive treatment according to the required corrosion degree, which with special treatments prevents galvanic currents and corrosion of the structure;
- in aluminium alloy, suitable for both diagnostic (non-magnetic environments) and medical where a higher degree of protection is required (e.g. swimming pools andthermal (e.g. swimming pools and spa areas, with a concentration of humidity and chlorine).





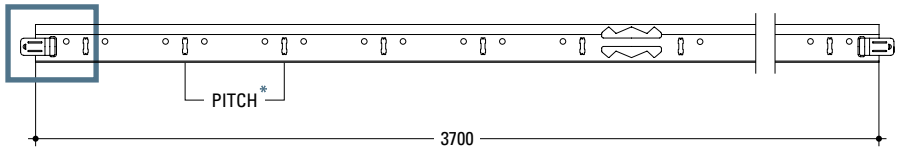
Dect. 1



Dect. 2

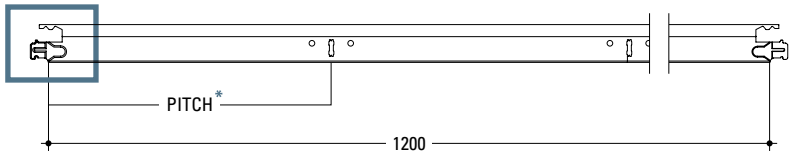
PP - supporting profile

Dect. 1



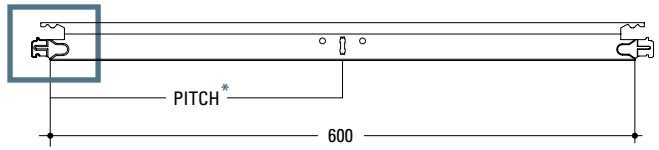
IL - long middle profile

Dect. 2



IC - short middle profile

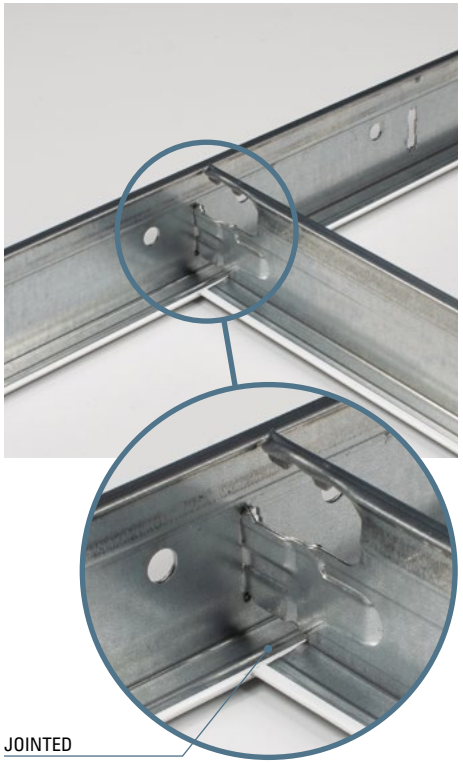
Dect. 2



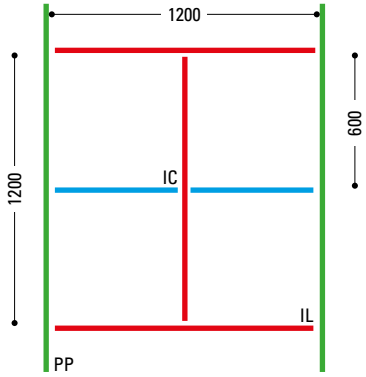
* The **T-Structure** has several pitches of slots to create different modules. These can be found on page. 55

ASSEMBLY STEPS

- After having determined the height of the false ceiling, draw it on the walls with a laser or a coloured wire
- Install the perimeter profile with appropriate dowels with an average pitch of 600 mm
- After having identified the fixing area of the suspensions, create a mesh with a 1200 mm spacing (special cases are excluded from this indication)
- Securely anchor the pendants and insert the PP3700 inside them, place it on a level surface and make sure it rests on the perimeter profile
- Install the bearing profiles with a pitch of 1200 mm, proceed with the assembly of the other profiles (IL, IC) and create the desired module
- Insert the panels for the final closure of the false ceiling

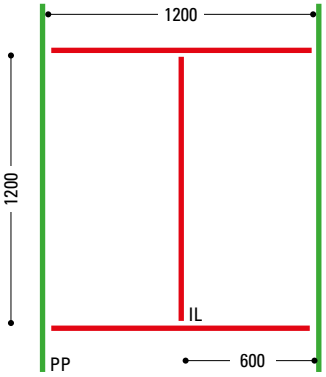


MODULE CONFIGURATION



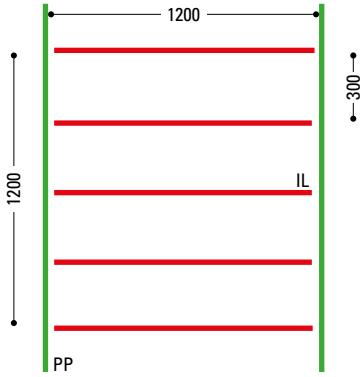
Module 600x600

Incidences:	PP 3700	0.83 ml/mq
	IL 1200	1.67 ml/mq
	IC 600	0.83 ml/mq



Module 600x1200

Incidences:	PP 3700	0.83 ml/mq
	IL 1200	1.67 ml/mq



Module 300x1200

Incidences:	PP 3700	0.83 ml/mq
	IL 1200	3.33 ml/mq

The visible substructure is formed by a T-section profile, composed of a PP3700 bearing profile, a IL1200 long middle profile and a IC600 short middle profile.The PP3700 is suspended from the floor slab with a pitch of 1200mm by means of accessories, while for the realisation of the grid it is sufficient to assemble the snap-on profiles.

PP - supporting profile

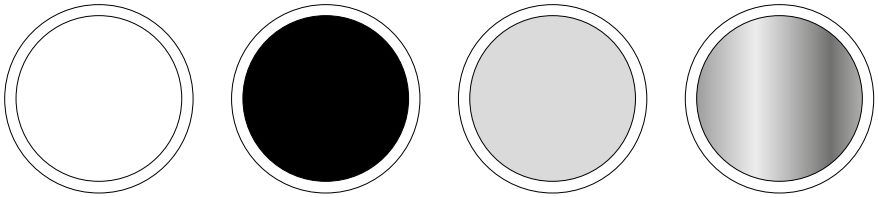
IL - long middle profile

IC - short middle profile

COATING COLOURS

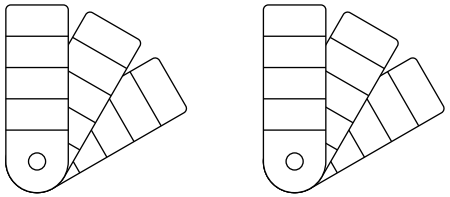
Coating system consisting of titanium base conversion, thick primer, coloured base, ink and high durability clearcoat (HD) with textured finish. Aesthetic aspect, stability and high durability of the surface finish together with a good corrosion resistance and an optimal and realistic pattern definition.

PRE-PAINTED COLOUR



WHITE | BLACK | SILVER | MIRROR ALUMINIUM

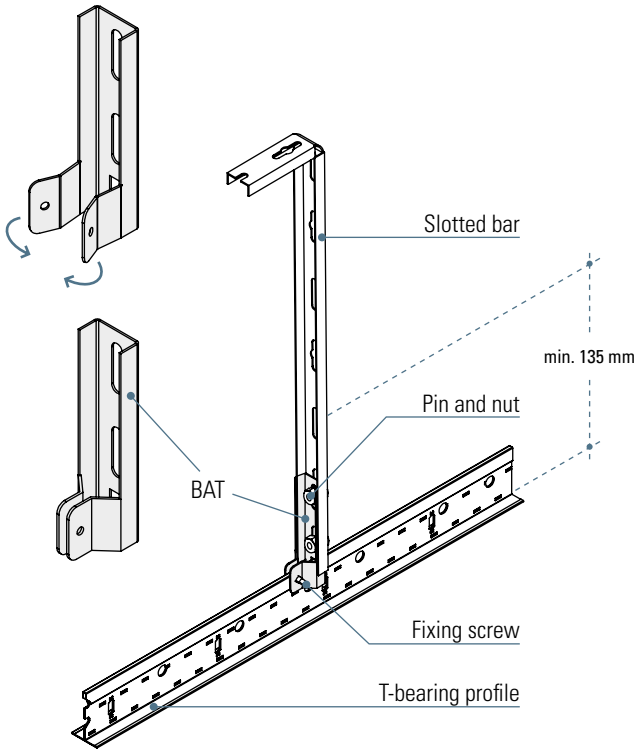
POST-PAINTED COLOUR



RAL | NCS

SUSPENSION SYSTEMS

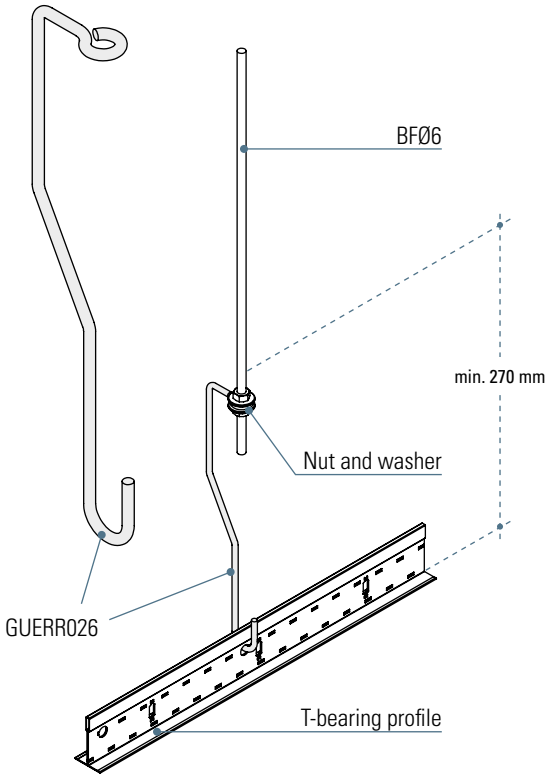
BAT and SLOTTED BAR



Strengths

- rigid suspension
- vertical adjustment
- horizontal adjustment
- possibility of installing bracing with slotted bar
- resistance to wind pressure
- anti-hook

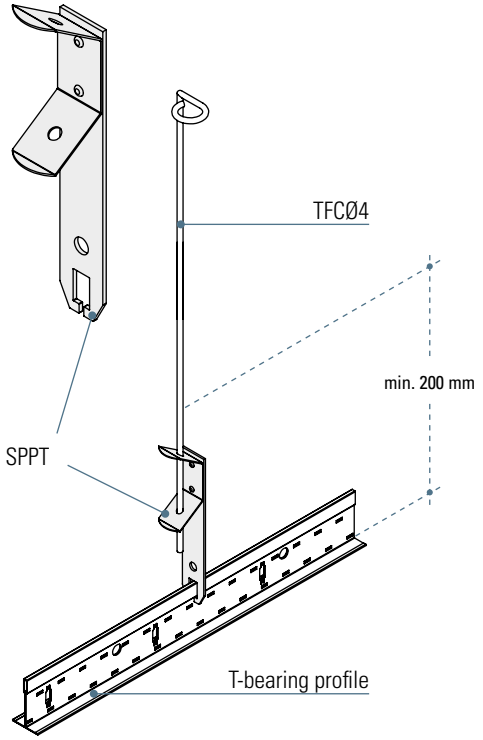
GUERR026 and BF



Strengths

- rigid suspension
- vertical adjustment
- precise assembly
- simple assembly

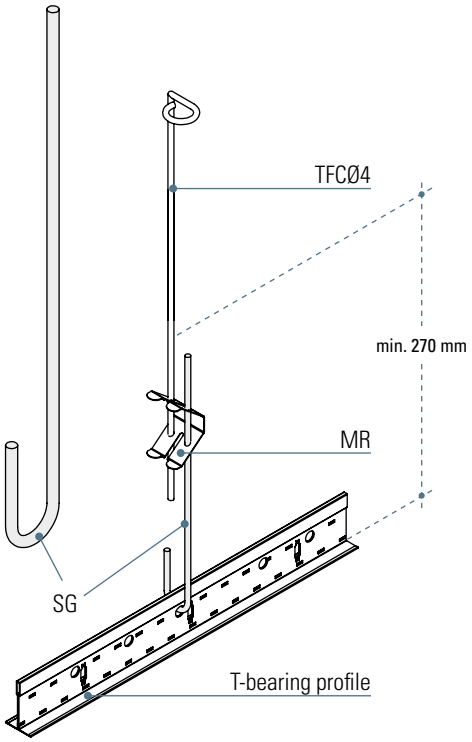
SPPT and TFC



Strengths

- resistant
- vertical adjustment
- horizontal adjustment
- perpendicular to the structure
- simple assembly

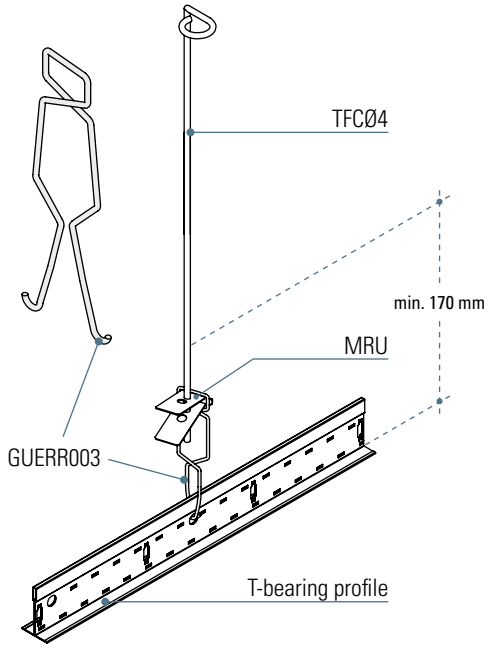
SG and MR



Strengths

- vertical adjustment
- point assembly

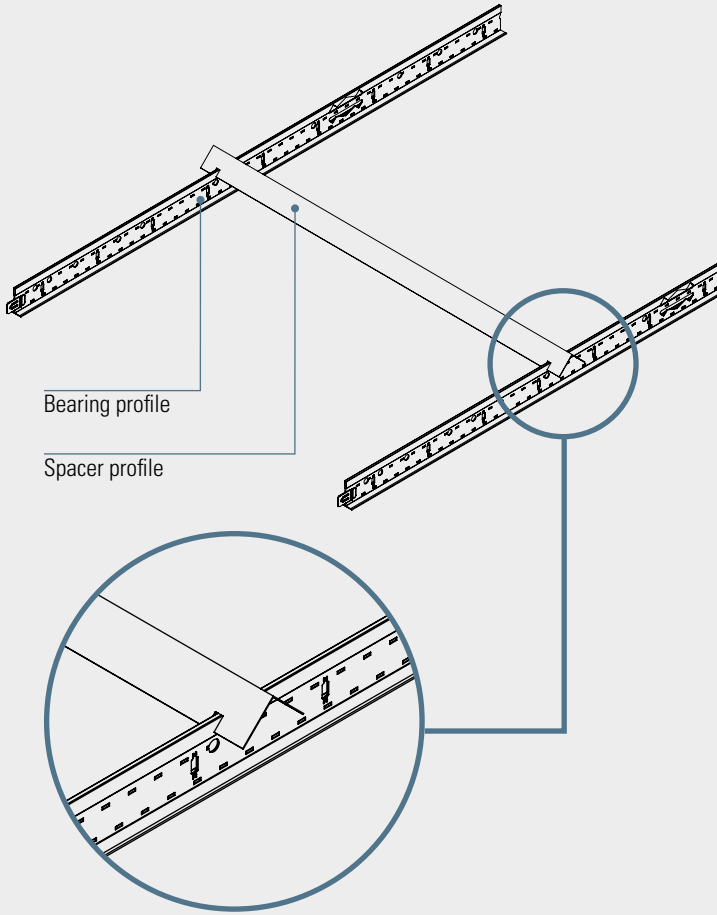
GUERR003, MRU and TFC



Strengths

- vertical adjustment
- point assembly
- possibility of fitting BFØ6 in substitution of TFCØ4
- anti-hook

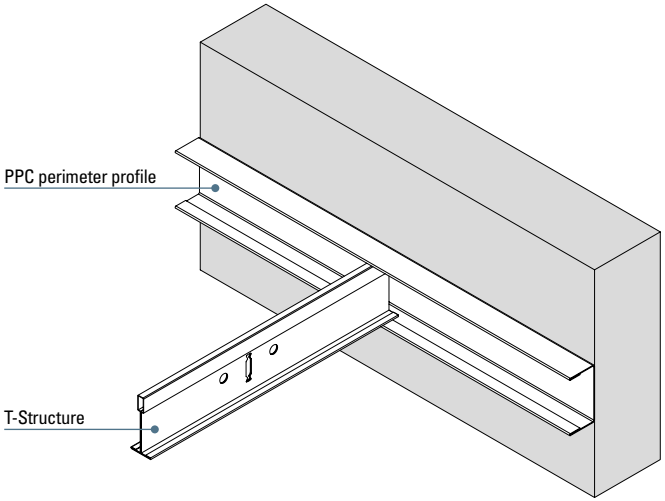
SPACER PROFILE

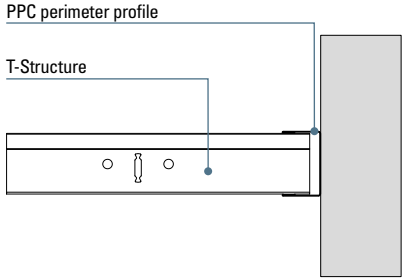


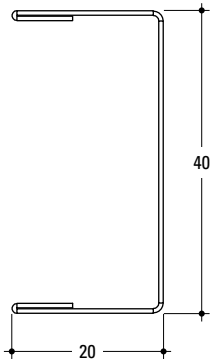
PERIMETER PROFILES

PPC

In addition to its function as a perimeter profile, the **PPC** profile has the characteristic of making a cut metal panel coplanar by using a C profile inside it, in order to favour its rigidity and blocking. The colour of the PPC profile can vary according to the T-Structure or the chosen panels that will be mounted on the false ceiling.

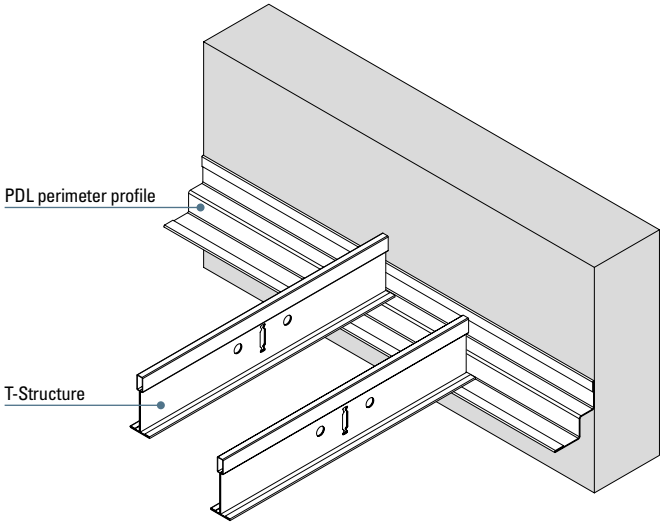


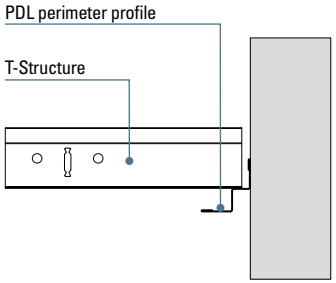


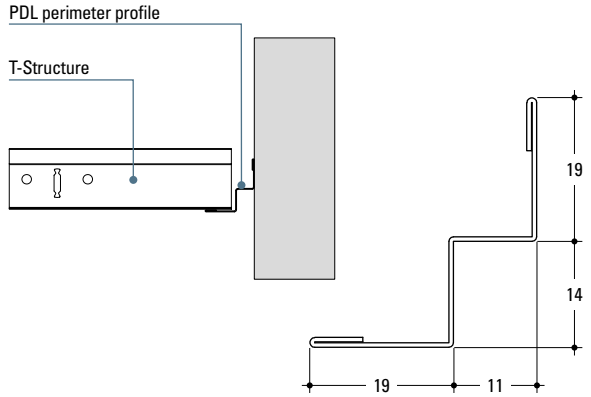


PDL

In addition to its function as a perimeter profile, the **PDL** profile has the characteristic of making shutters due to its stepped shape and thanks to this it is possible to place the T-profile on the upper or lower part of it. The colour of the PDL profile can differ depending on the T-profile or the chosen panels that will be mounted on the false ceiling.

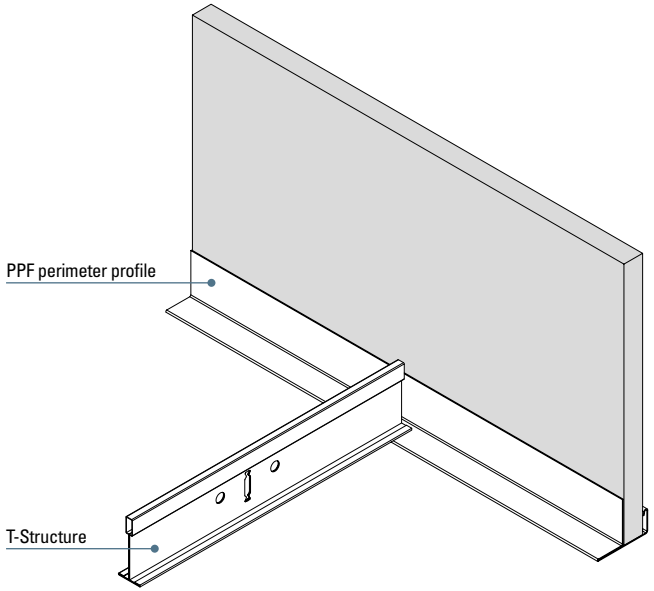


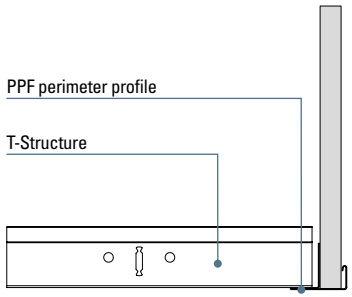


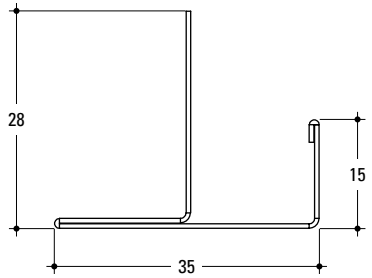


PPF

The **PPF** profile not only has the function of a perimeter profile, but it also has the capacity to be used as a connection profile for height differences (e.g. soffits), in order to avoid additional grouting processes. It is possible to insert 13 to 15 mm plasterboard panels. The colour of the PPF profile may vary depending on the T-frame or the chosen panels that will be mounted on the false ceiling.

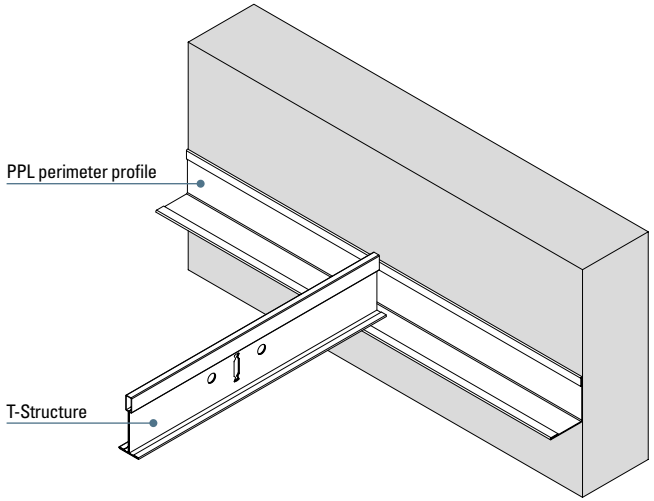


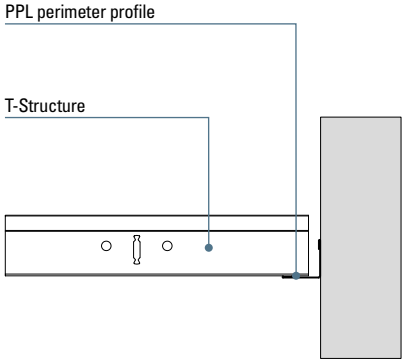


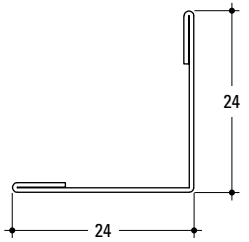


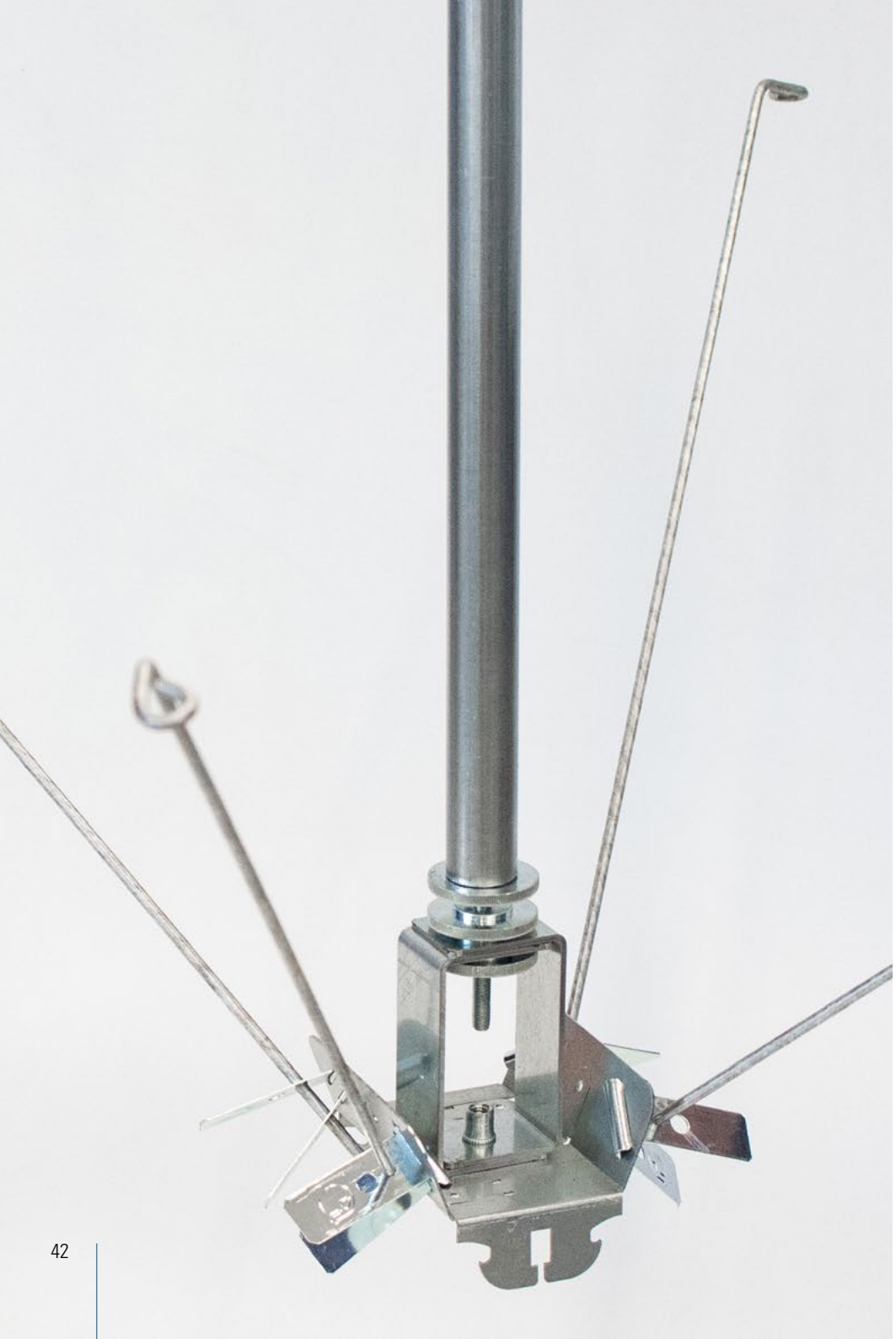
PPL

The **PPL** is a classic L perimeter profile suitable for panel application (see some possible applications on page 49). (See some possible applications on page 49.) The colour of the PPL profile can differ depending on the T-Structure or the chosen panels that will be mounted on the ceiling.





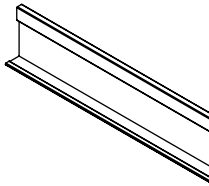




ANTISISMIC

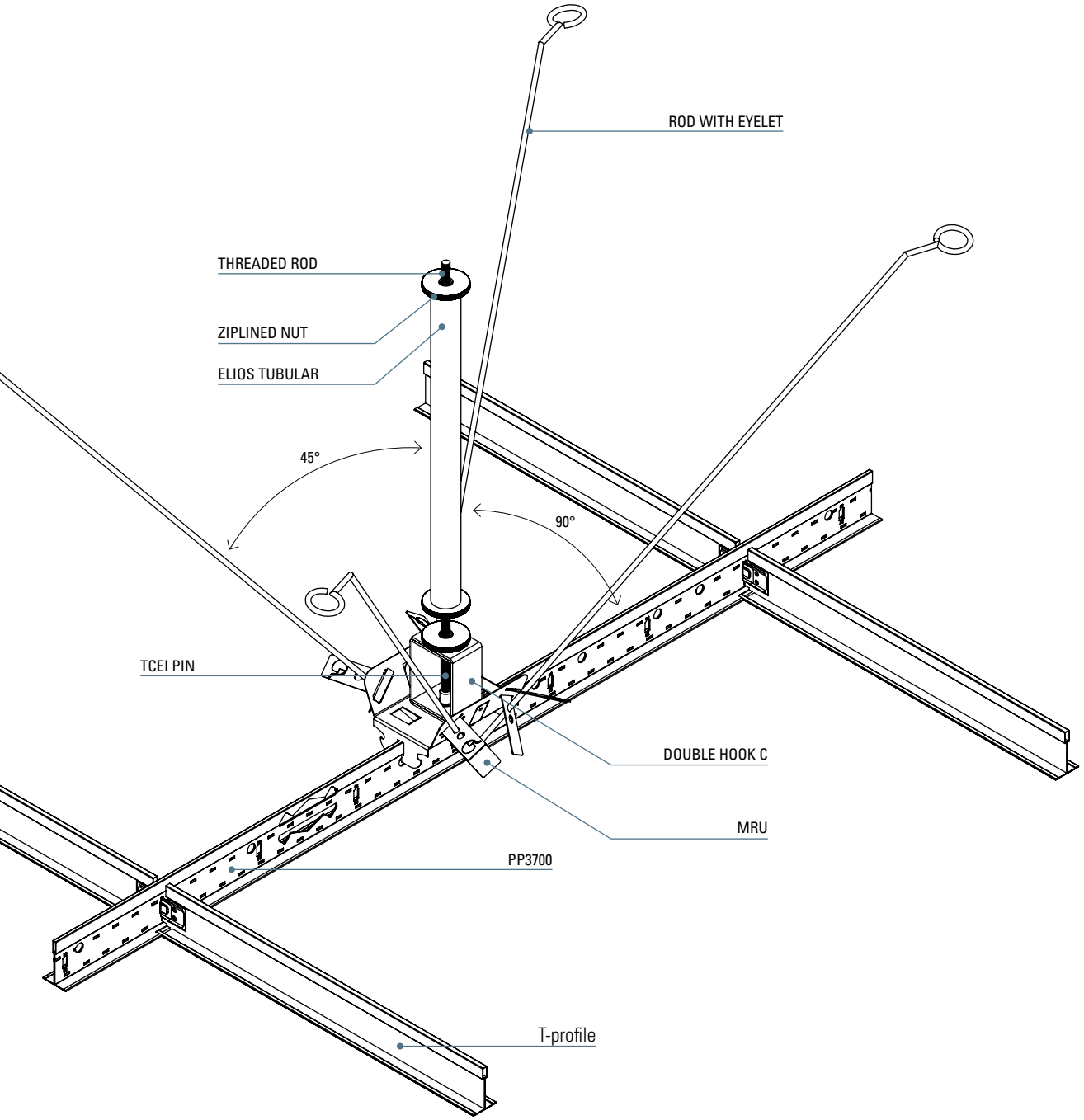
Solution kit **G SEISMIC®**

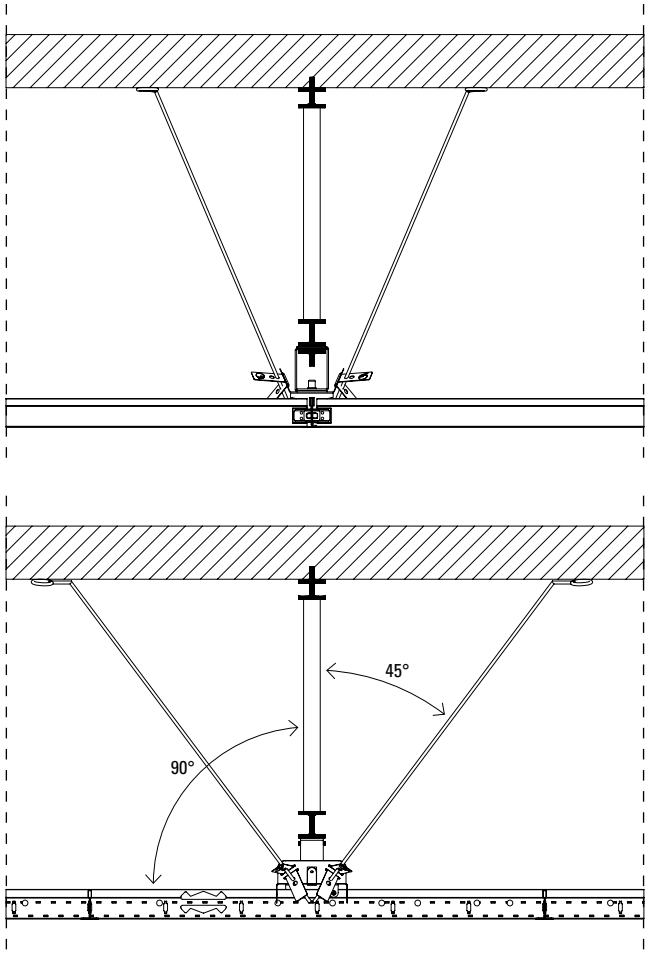
The **G SEISMIC** kit is the first anti-seismic suspension system suitable for all types of false ceilings with metal structure, whether they support panels, strips, grids or even plasterboard. Applied to the bearing or primary profile, i.e. to thaT-Structure which is suspended directly from the ceiling, and together with the perimeter accessories, it makes the false ceiling system suitable to respond adequately to the stresses of a subsultory and undulatory earthquake. The Kit G SEISMIC has been projected and tested by the GUERRASIO technical office at the University of Naples Federico II - in cooperation with the Department of Structures for Engineering and Architecture in order to assess and verify the suitability and resistance of the system to the requirements of the Technical Standards for Constructions (NTC | D.M. 14.01.2008 and updated NTC 2018 with D.M. of 17.01.2018), in particular with what is reported in paragraph 7.2.3. of the NTC.



Strengths

- rigid suspensio
- vertical adjustment
- horizontal adjustment
- resistance to wind pressure
- outdoor assembly
- perpendicular to the structure

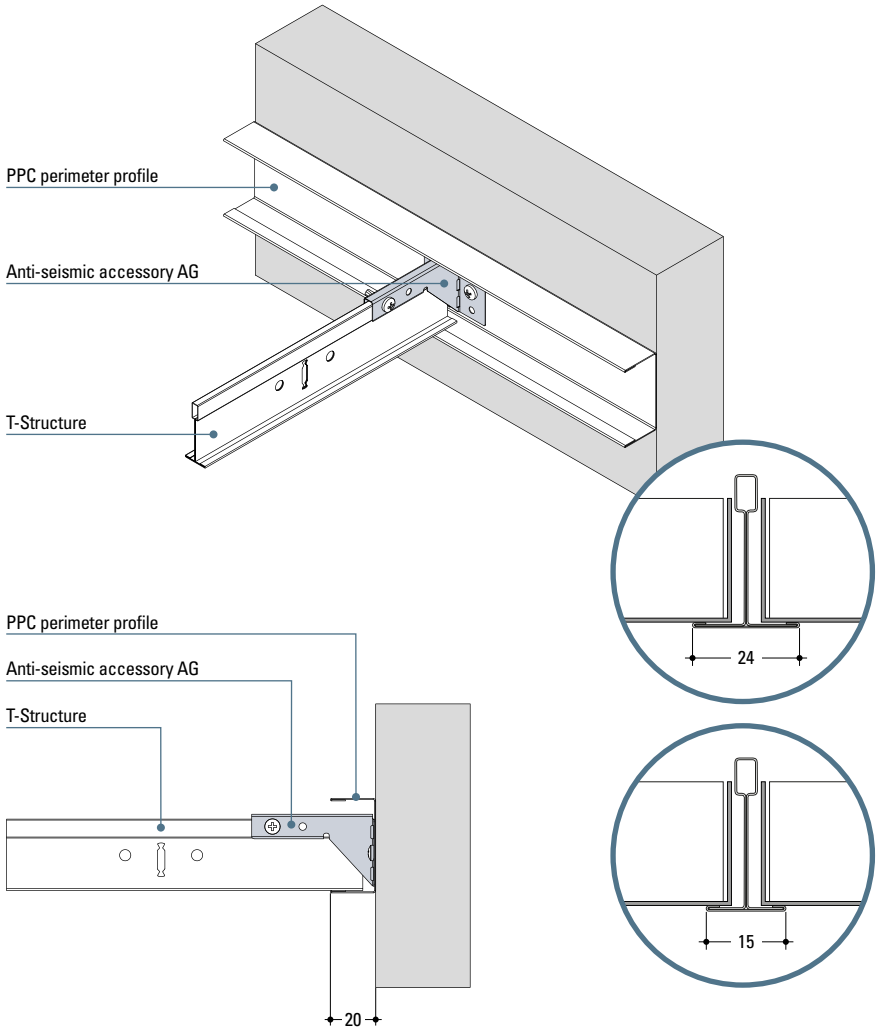




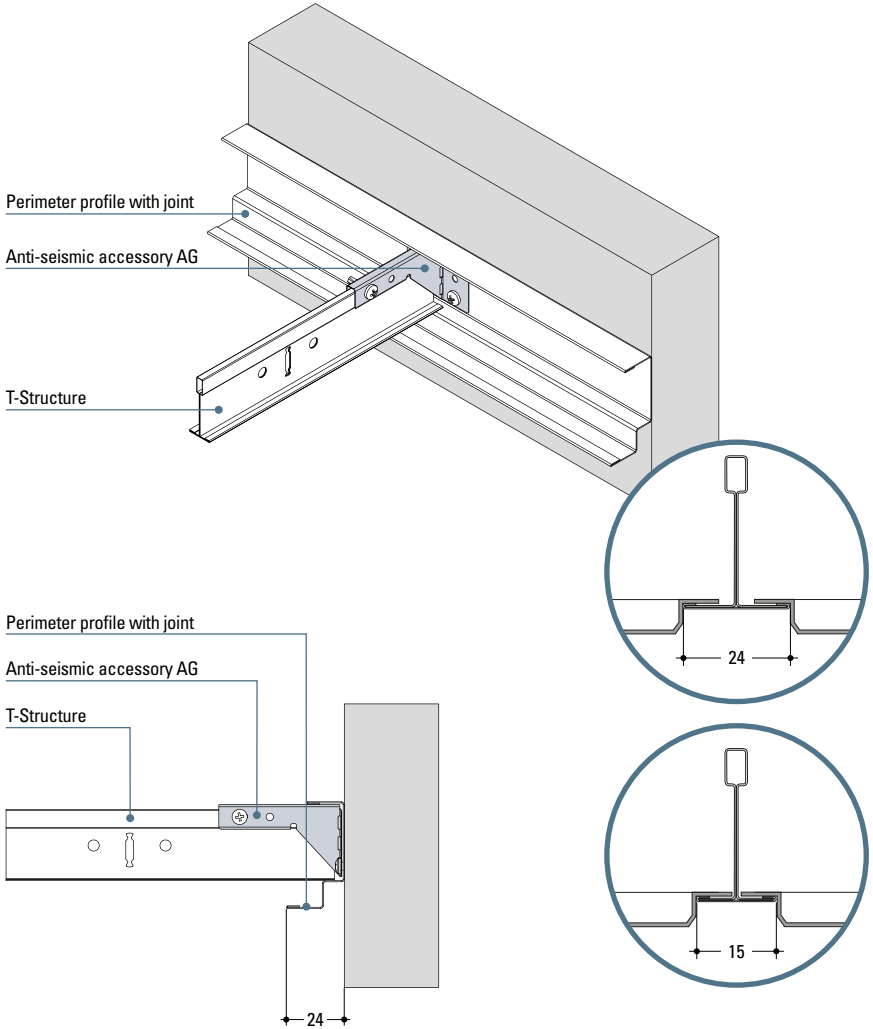
The **SEISMIC G** system must be installed on **the PP3700 bearing profile of the structure**. Once it has been inserted, it must be fixed with self-drilling screws. The installation should be avoided at intersections between the bearing profiles and intermediate profiles. On the perimeter profiles, in order to create an additional constraint to the seismic action, two types of elements are applied: 'fixed' and 'skids'. With the 'fixed' constraint, the structure is bound to the wall, impeding any movement; with the 'skid' constraint, in case of seismic action, the structure is free to slide, although still bound in the direction and without being able to make rotational movements.

PERIMETER PROFILES FOR ANTI-SEISMIC KIT

Vert VISIO - The visible panel

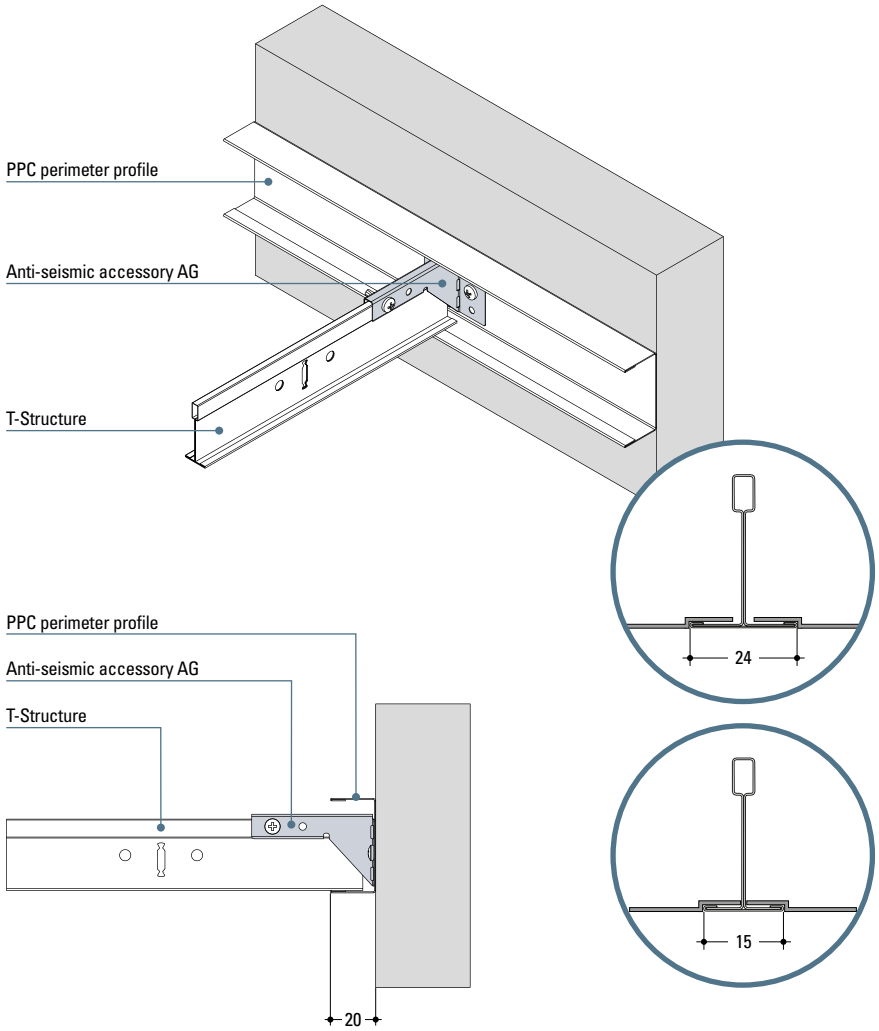


Vert SEMI VISIO - The half-hidden panel

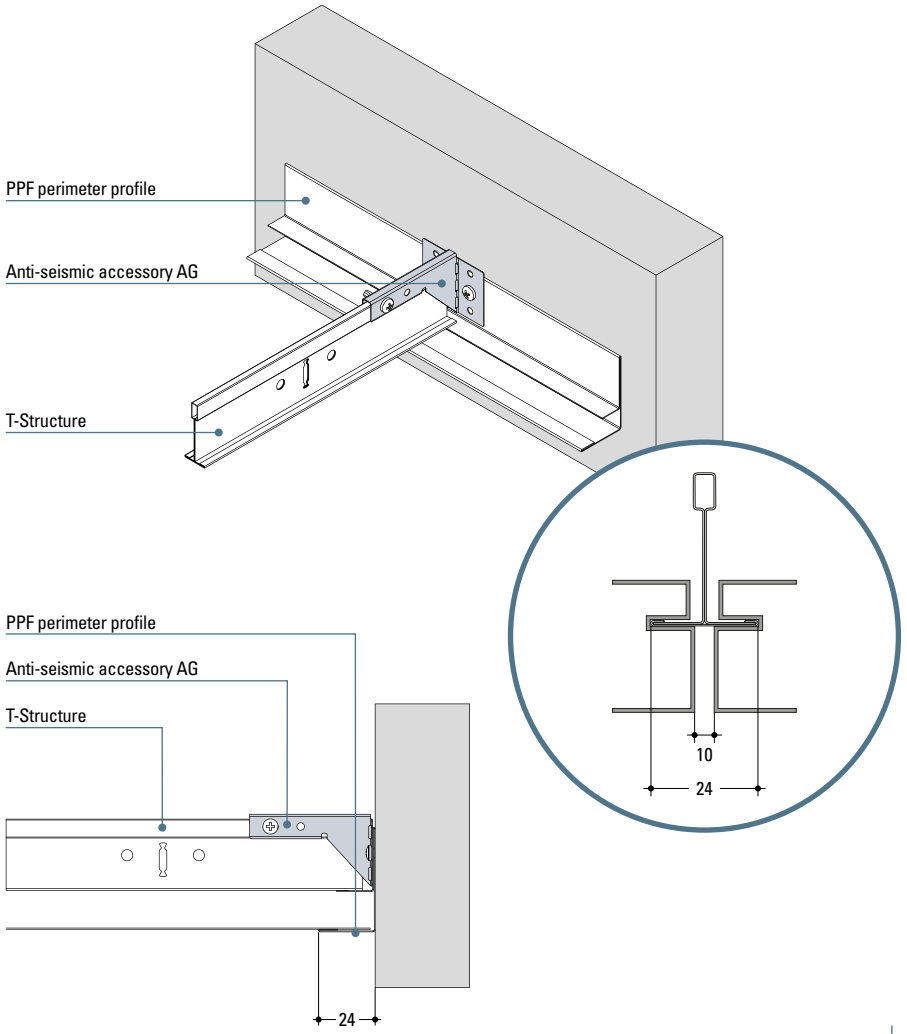


The following representations are indicative.
To see each individual system, we recommend downloading the "Integrated false ceilings" catalogue from the **vertebra.com** website

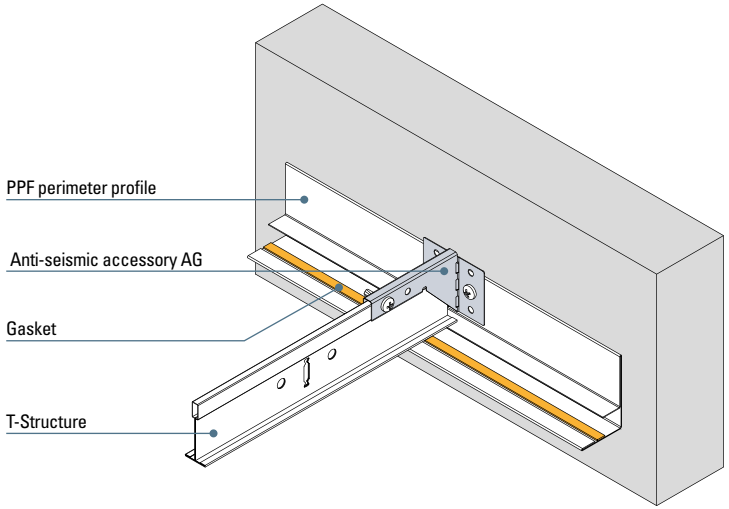
Vert FLAT - The coplanar panel

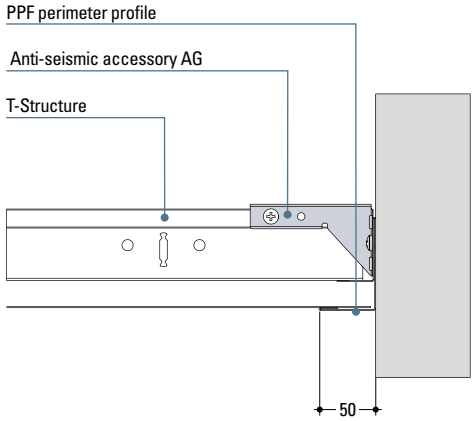


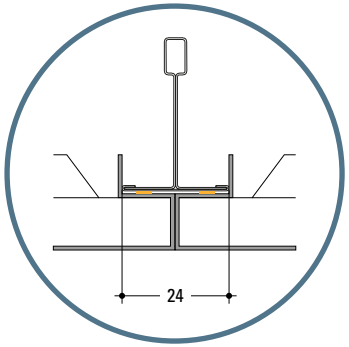
Vert BOX - The panel with the joint



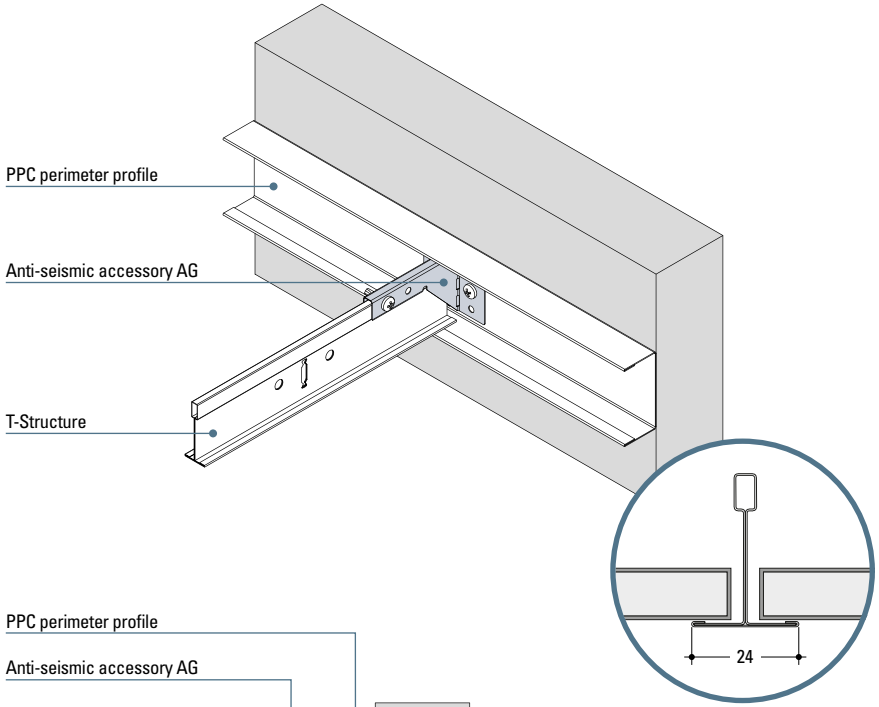
Vert LAB - - The airtight false ceiling

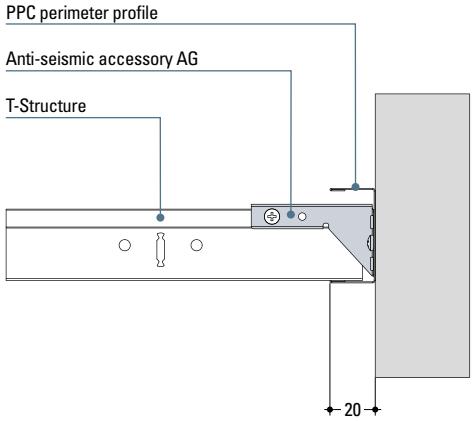


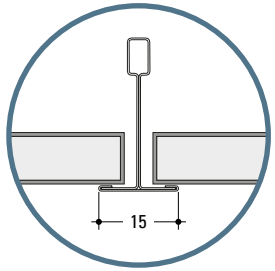


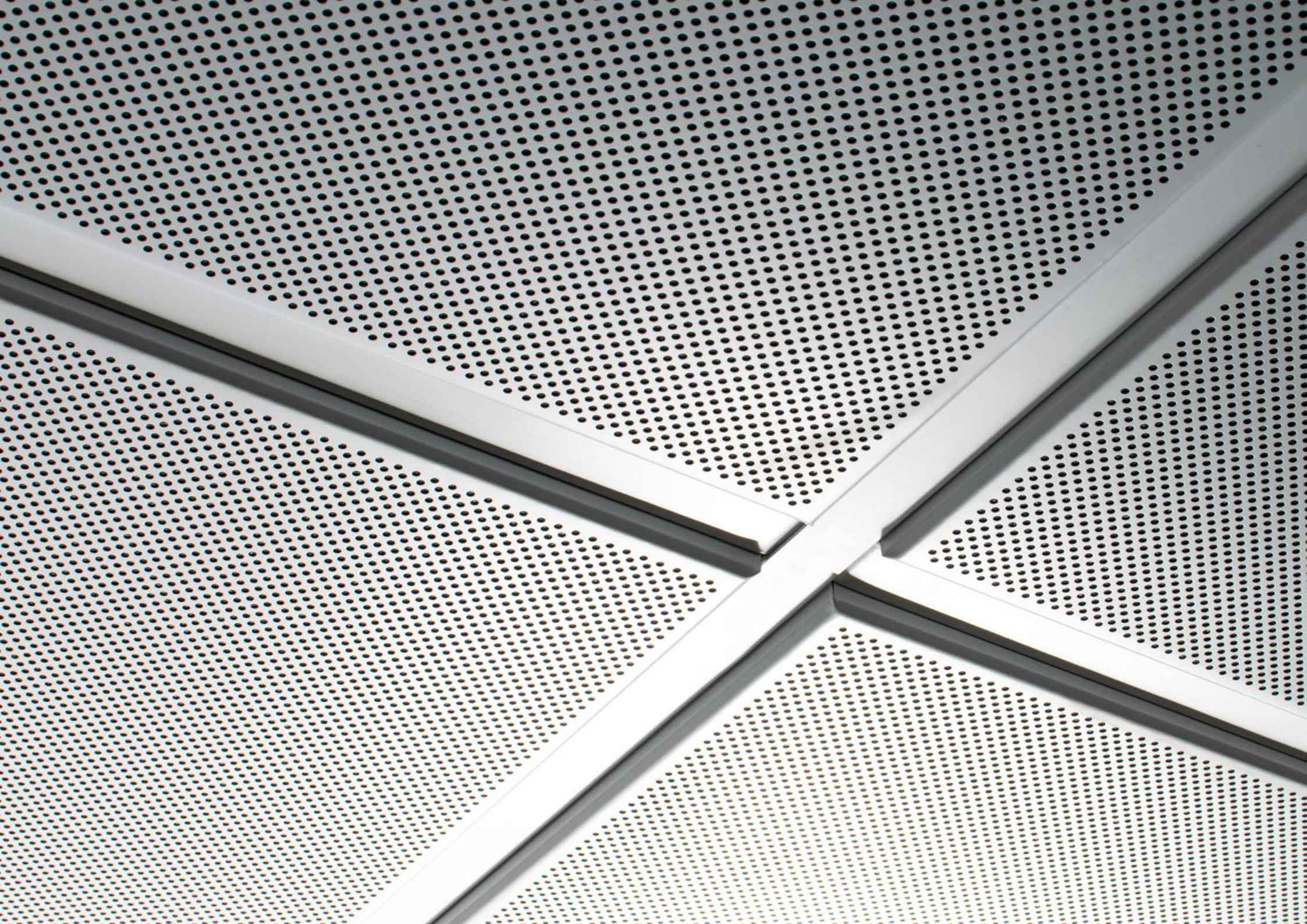


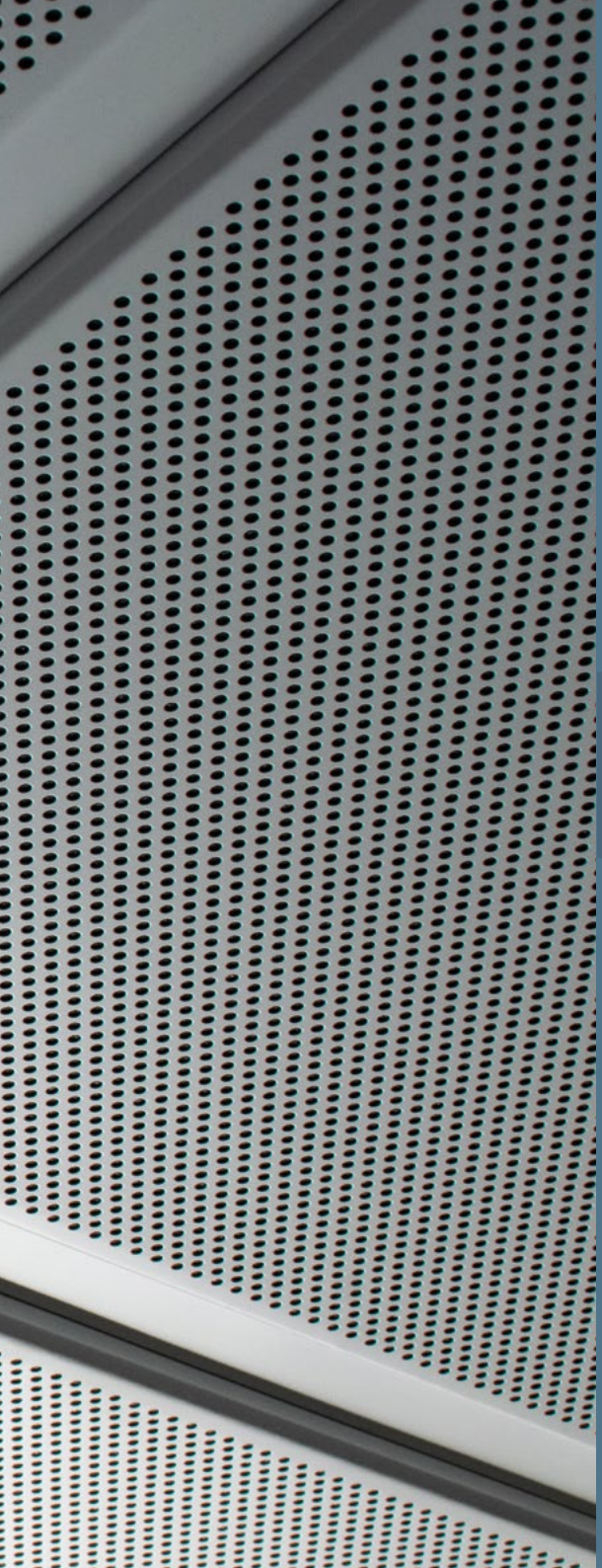
FIBRE PANEL







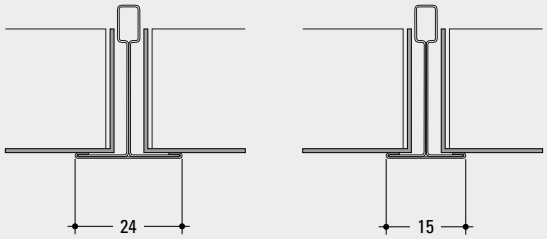




PANELS
on T-Structure

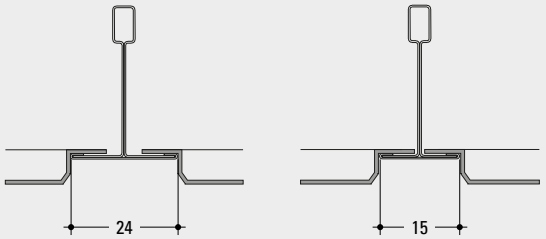
PANELS on T-Structure

VERT **VISIO**



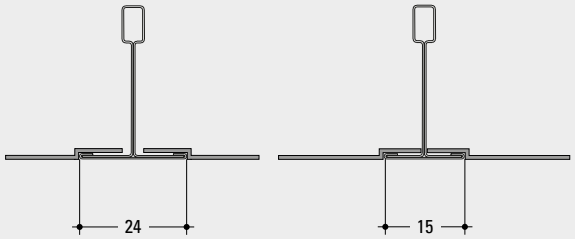
Panel laid on T-Structure for modular false ceilings, simple and quick to install. The panel leaves the structural mesh visible and can be inspected by lifting it from below. The surface is smooth and can be perforated for a greater acoustic comfort. It can be integrated with Vert Visio Led ceiling lights, spotlights or A/C plenums. Available in steel or pre-painted or post-painted aluminium.

VERT **SEMI VISIO**



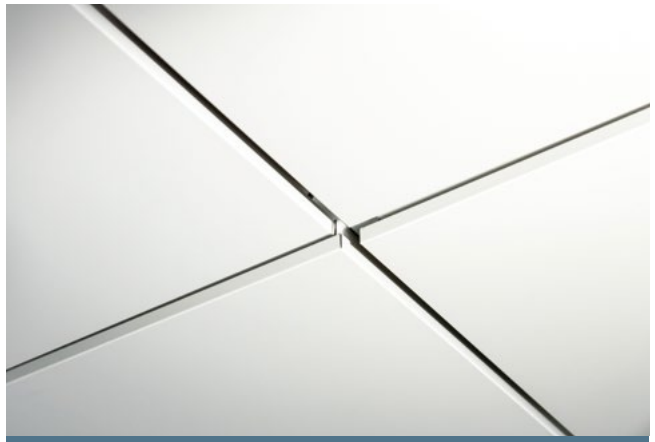
Panel laid on the T-Structure for modular false ceilings, simple and quick to install. The panel creates a pleasant joint effect, leaving the structural mesh half-hidden, and can be inspected by lifting it from below. In addition to being smooth, its surface can also be perforated for a greater acoustic comfort. It can be integrated with Vert Semivisio Led ceiling lights, spotlights or A/C plenums. Available in steel or pre-painted or post-painted aluminium.

VERT **FLAT**

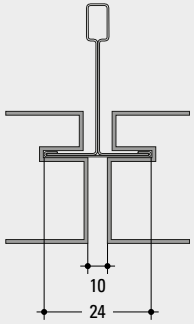


Panel laid on a T- structure for modular false ceilings, simple and quick to install. The panel is shaped in such a way as to make the lower surface coplanar with that of the structure, lightening the aesthetics of the modular track, and can be inspected by lifting it from below. In addition to being smooth, its surface can also be perforated for greater acoustic comfort. It can be integrated with Vert Flat Led ceiling lights, spotlights or A/C plenums. Available in steel or pre-painted or post-painted aluminium.

The following representations are indicative.
To view each individual system, we recommend downloading the **"Integrated ceilings"** catalogue or the data sheets from the **vertebra.com** website

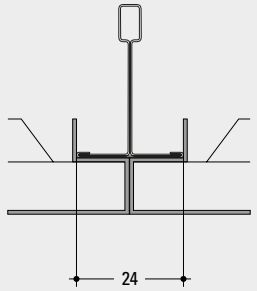


VERT **BOX**

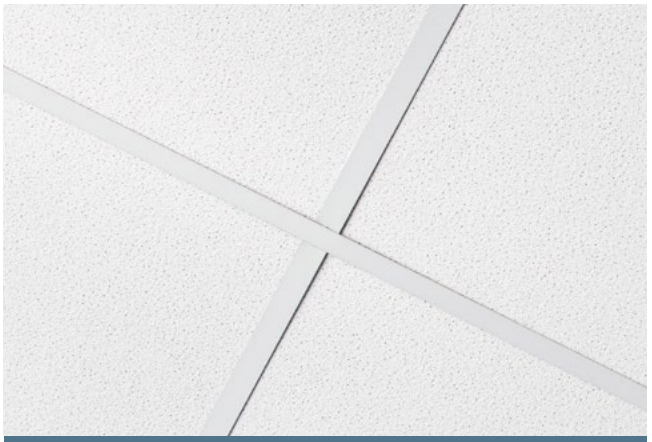


Panel laid on the T-Structure for modular ceilings, simple and quick to install. The panel creates a pleasant joint with the structure, giving the room a greater depth and can be inspected at any time. Its surface is not only smooth but can also be perforated for greater acoustic comfort. Can be integrated with Vert Box Led ceiling lights, spotlights or A/C plenums. Available in steel or pre-painted or postpainted aluminium.

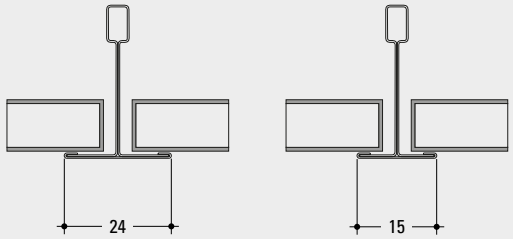
VERT **LAB**



Panel hooked on T-Structure for modular false ceilings with airtight features. The panel is hooked on the structure by means of springs positioned on it, which guarantees practicality and safety, leaving the structural mesh hidden. It can be inspected from below by applying pressure to the panel. The panel has a perforated surface and can be integrated with Vert Lab Light Led ceiling lights, spotlights or A/C plenums. Available in steel or pre-painted or postpainted aluminium.



PANNELLO IN **FIBRA**



Panel laid on the T-Structure for modular false ceilings, simple and quick to install. The panel leaves the structural mesh visible and can be inspected by lifting it from below.

DIMENSIONS AND PITCHES OF THE ELEMENTS

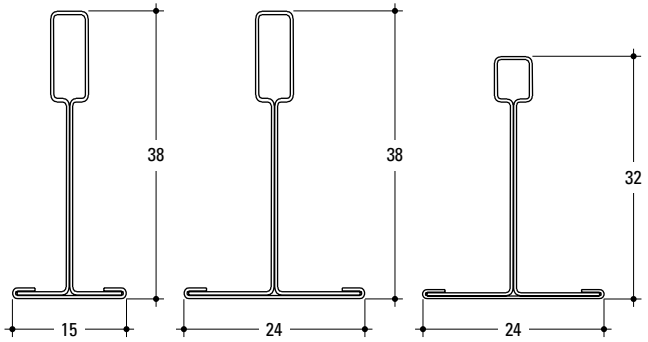
FRECCIA T-Structure

15x38 / 24x38 / 24x32

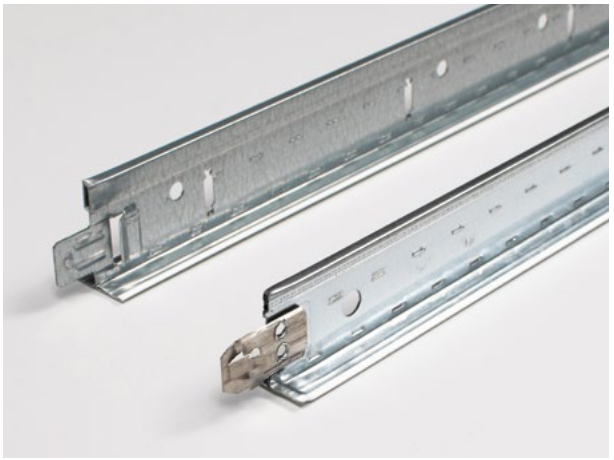
Pitch 100	Length mm	Slot pitch
Bearing profile: **PPFR**	3700	100
Long middle profile: **ILFR**	800	-
	900	450
	915	457,5
	1000	-
	1100	550
	1200	300
	1220	305
	1300	-
	1400	-
	1500	-
	1600	-
	1700	-
	1800	-
Short middle profile: **ICFR**	400	-
	450	-
	500	-
	600	300
	610	305
	700	-

Pitch 150	Length mm	Slot pitch
Bearing profile: **PPFR**	3750	150
Long middle profile: **ILFR**	900	450
	1200	300
	1500	-
	1800	-
Short middle profile: **ICFR**	450	-
	600	300

Pitch 156,25	Length mm	Slot pitch
Bearing profile: **PPFR**	3750	156,25
Long middle profile: **ILFR**	1250	312,5
Short middle profile: **ICFR**	625	312,5



Section PP, IL, IC | Section PP | Section IL, IC



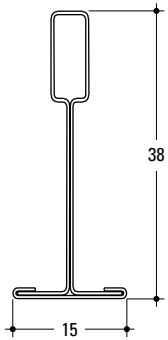
X SEISMIC T-Structure

15x38 / 24x38

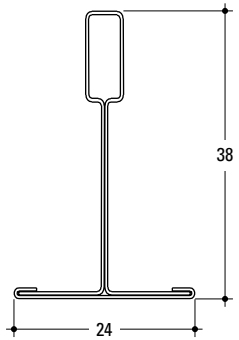
Pitch 100	Length mm	Slot pitch
Bearing profile: **PPXN**	3700	100
Long middle profile: **ILXN**	800	-
	900	450
	915	457,5
	1000	-
	1100	550
	1200	300
	1220	305
	1300	-
	1400	-
	1500	-
	1600	-
	1700	-
	1800	-
Short middle profile: **ICXN**	400	-
	450	-
	500	-
	600	300
	610	305
	700	-

Pitch 150	Length mm	Slot pitch
Bearing profile: **PPXN**	3750	150
Long middle profile: **ILXN**	900	450
	1200	300
	1500	-
	1800	-
Short middle profile: **ICXN**	450	-
	600	300

Pitch 156,25	Length mm	Slot pitch
Bearing profile: **PPXN**	3750	156,25
Long middle profile: **ILXN**	1250	312,5
Short middle profile: **ICXN**	625	312,5



Section PP, IL, IC



Section PP, IL, IC

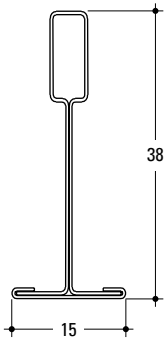
CLASSIC LINE T-Structure

15x38 / 24x38

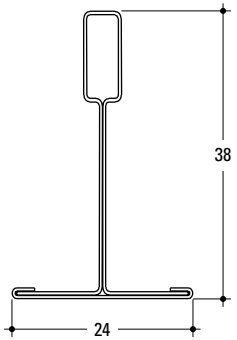
Pitch 100	Length mm	Slot pitch
Bearing profile: **PPCL**	3700	100
Long middle profile: **ILCL**	1000	-
	1200	300
Short middle profile: **ICCL**	500	-
	600	300

Pitch 150	Length mm	Slot pitch
Bearing profile: **PPCL**	3750	150
Long middle profile: **ILCL**	1200	300
Short middle profile: **ICCL**	600	300

Pitch 156,25	Length mm	Slot pitch
Bearing profile: **PPCL**	3750	156,25
Long middle profile: **ILCL**	1250	625
Short middle profile: **ICCL**	625	312,5



Section PP, IL, IC



Section PP, IL, IC

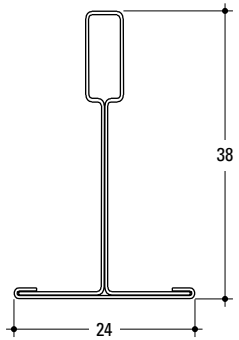
BAIONETTA T-Structure

24x38

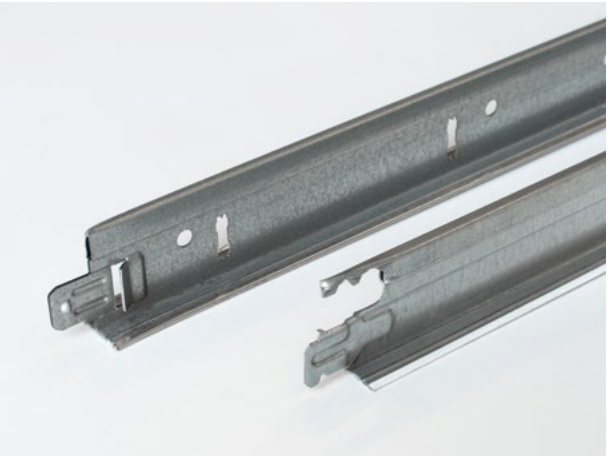
Pitch 100	Length mm	Slot pitch
Bearing profile: **PPB**	3700	100
Long middle profile: **ILB**	1000	-
	1200	300
Short middle profile: **ICB**	500	-
	600	300

Pitch 150	Length mm	Slot pitch
Bearing profile: **PPB**	3750	150
Long middle profile: **ILB**	1200	300
Short middle profile: **ICB**	600	300

Pitch 156,25	Length mm	Slot pitch
Bearing profile: **PPB**	3750	156,25
Long middle profile: **ILB**	1250	312,5
Short middle profile: **ICB**	625	312,5



Section PP, IL, IC



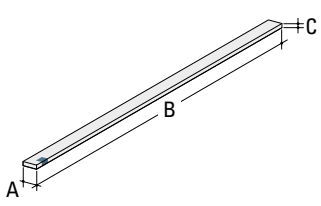
FRECCIA
1200 T24
75 PEZZI • PIECES • PIÈCES • UNIDADES
100% MADE IN ITALY
VERTEBRA
VERTEBRA.com

PACKAGING

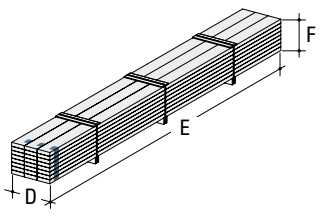
The packages should be stored under cover in a relatively dry atmosphere and at a temperature as constant as possible in order to avoid condensation, which may reduce the passivation protecting the galvanised surface.
If it is stored outdoors (not recommended), the material must be covered to ensure it is perfectly protected against the weather (rain, fog, snow), paying attention to the fact that the packages are placed at a slight angle.
This coverage must in any case be such as to allow adequate ventilation (not putting the two surfaces in direct contact), so that moisture does not accumulate and create condensation.

FRECCIA

FRECCIA
bearing profile
PP 3700 - 15/38

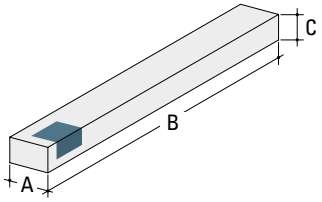


Profiles	pz	20		
Quantity	mt	74		
Weight	kg	25		
Dimensions	cm	10 a	375 b	4,5 c

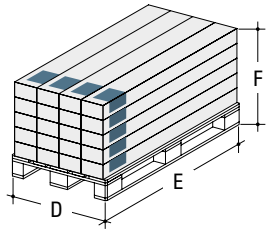


Boxes	pz	24		
Total profiles	pz	480		
Quantity	mt	1776		
Weight	kg	605		
Dimensions	cm	40 d	375 e	41,5 f

FRECCIA
long middle profile
IL 1200 - 15/38

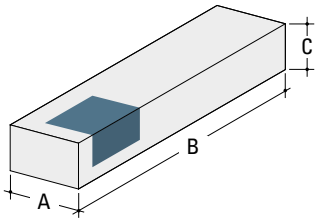


Profiles	pz	64		
Quantity	mt	76,8		
Weight	kg	21		
Dimensions	cm	15 a	125 b	10 c

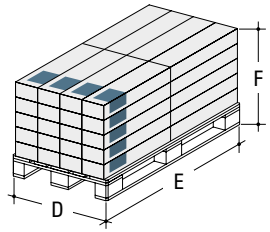


Boxes	pz	40		
Total profiles	pz	2560		
Quantity	mt	3072		
Weight	kg	845		
Dimensions	cm	75 d	125 e	89 f

FRECCIA
short middle profile
IC 600 - 15/38

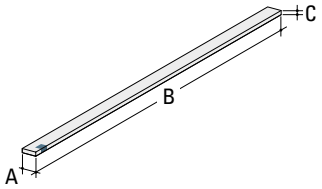


Profiles	pz	64		
Quantity	mt	38,4		
Weight	kg	10		
Dimensions	cm	15 a	65 b	10 c

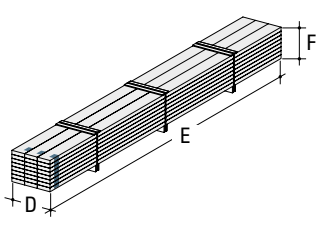


Boxes	pz	80		
Total profiles	pz	5120		
Quantity	mt	3072		
Weight	kg	805		
Dimensions	cm	75 d	125 e	89 f

FRECCIA
bearing profile
PP 3700 - 24/38

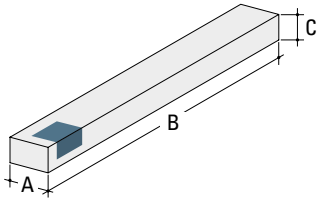


Profiles	pz	25		
Quantity	mt	92,5		
Weight	kg	34		
Dimensions	cm	19 a	375 b	6 c

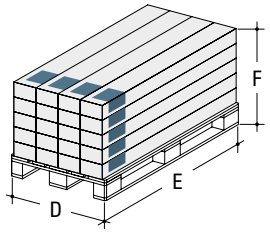


Boxes	pz	24		
Total profiles	pz	600		
Quantity	mt	2220		
Weight	kg	821		
Dimensions	cm	60 d	375 e	55 f

FRECCIA
long middle profile
IL 1200 - 24/32

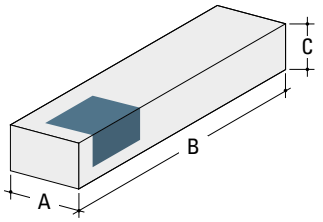


Profiles	pz	75		
Quantity	mt	90		
Weight	kg	26		
Dimensions	cm	19 a	125 b	12 c

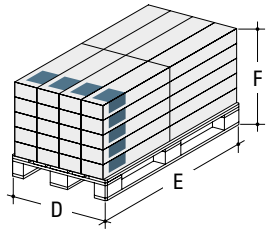


Boxes	pz	20		
Total profiles	pz	1500		
Quantity	mt	1800		
Weight	kg	525		
Dimensions	cm	80 d	125 e	75 f

FRECCIA
short middle profile
IC 600 - 24/32



Profiles	pz	75		
Quantity	mt	45		
Weight	kg	14		
Dimensions	cm	19 a	65,5 b	12 c



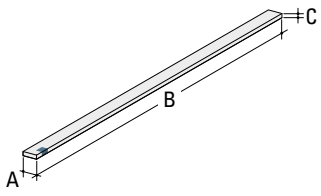
Boxes	pz	40		
Total profiles	pz	3000		
Quantity	mt	1800		
Weight	kg	565		
Dimensions	cm	80 d	125 e	75 f

X SEISMIC

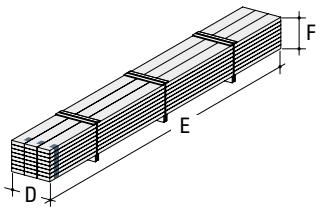
PACKAGING

PALLET

X SEISMIC
bearing profile
PP 3700 - 15/38

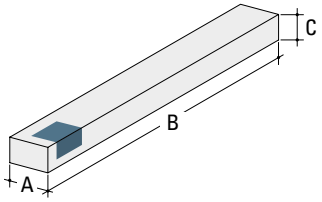


Profiles	pz		20		
Quantity	mt		74		
Weight	kg		25		
Dimensions	cm	100 a	375 b	45 c	

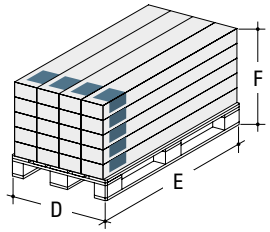


Boxes	pz		24		
Total profiles	pz		480		
Quantity	mt		1776		
Weight	kg		605		
Dimensions	cm	40 d	375 e	41,5 f	

X SEISMIC
long middle profile
IL 1200 - 15/38

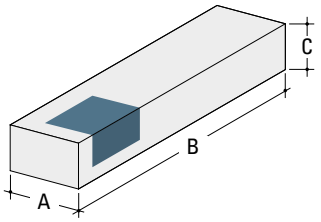


Profiles	pz		64		
Quantity	mt		76,8		
Weight	kg		21		
Dimensions	cm	15 a	125 b	10 c	

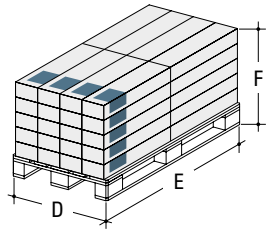


Boxes	pz		40		
Total profiles	pz		2560		
Quantity	mt		3072		
Weight	kg		845		
Dimensions	cm	75 d	125 e	89 f	

X SEISMIC
short middle profile
IC 600 - 15/38

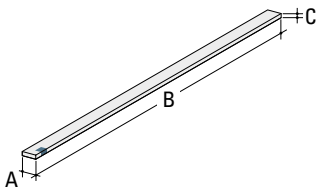


Profiles	pz		64		
Quantity	mt		38,4		
Weight	kg		10		
Dimensions	cm	15 a	65 b	10 c	

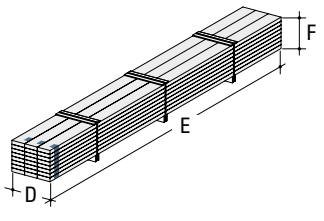


Boxes	pz		80		
Total profiles	pz		5120		
Quantity	mt		3072		
Weight	kg		805		
Dimensions	cm	75 d	125 e	89 f	

X SEISMIC
bearing profile
PP 3700 - 24/38

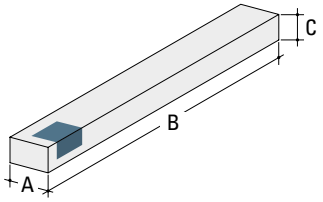


Profiles	pz		25		
Quantity	mt		92.5		
Weight	kg		34		
Dimensions	cm	19 a	375 b	6 c	

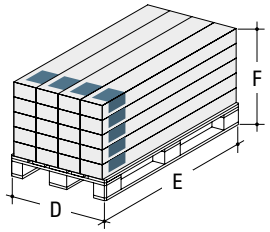


Boxes	pz		24		
Total profiles	pz		600		
Quantity	mt		2220		
Weight	kg		821		
Dimensions	cm	60 d	375 e	55 f	

X SEISMIC
long middle profile
IL 1200 - 24/38

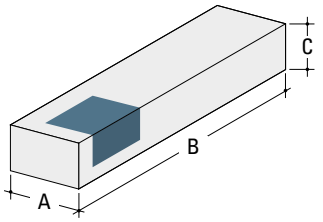


Profiles	pz		75		
Quantity	mt		90		
Weight	kg		26		
Dimensions	cm	19 a	125 b	12 c	

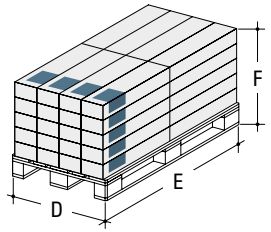


Boxes	pz		20		
Total profiles	pz		1500		
Quantity	mt		1800		
Weight	kg		525		
Dimensions	cm	80 d	125 e	75 f	

X SEISMIC
short middle profile
IC 600 - 24/38



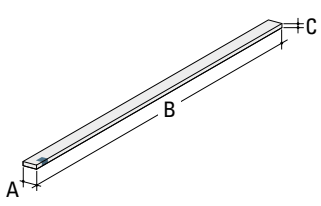
Profiles	pz		75		
Quantity	mt		45		
Weight	kg		14		
Dimensions	cm	19 a	65,5 b	12 c	



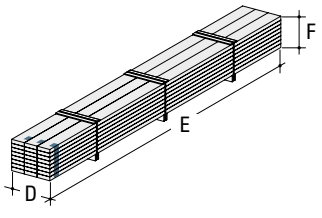
Boxes	pz		40		
Total profiles	pz		3000		
Quantity	mt		1800		
Weight	kg		565		
Dimensions	cm	80 d	125 e	75 f	

CLASSIC LINE

CLASSIC LINE
bearing profile
PP 3700 - 15/38

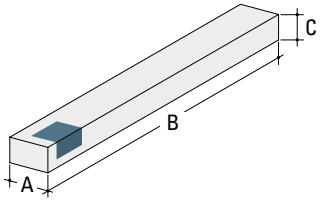


Profiles	pz	20			
Quantity	mt	74			
Weight	kg	25			
Dimensions	cm	10 a	375 b	4,5 c	

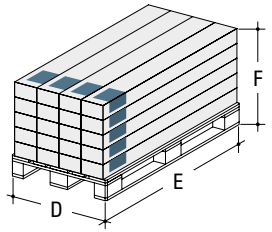


Boxes	pz	24			
Total profiles	pz	480			
Quantity	mt	1776			
Weight	kg	605			
Dimensions	cm	40 d	375 e	41,5 f	

CLASSIC LINE
long middle profile
IL 1200 - 15/38

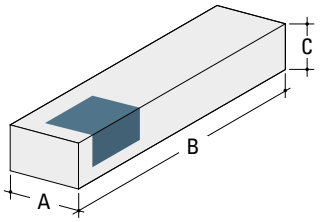


Profiles	pz	64			
Quantity	mt	76,8			
Weight	kg	21			
Dimensions	cm	15 a	125 b	10 c	

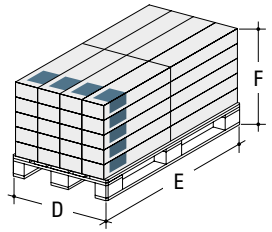


Boxes	pz	40			
Total profiles	pz	2560			
Quantity	mt	3072			
Weight	kg	845			
Dimensions	cm	75 d	125 e	89 f	

CLASSIC LINE
short middle profile
IC 600 - 15/38

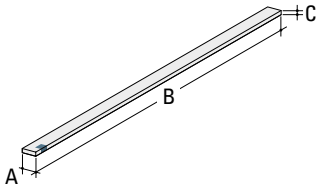


Profiles	pz	64			
Quantity	mt	38,4			
Weight	kg	10			
Dimensions	cm	15 a	65 b	10 c	

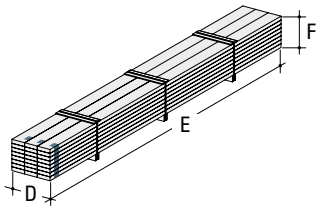


Boxes	pz	80			
Total profiles	pz	5120			
Quantity	mt	3072			
Weight	kg	805			
Dimensions	cm	75 d	125 e	89 f	

CLASSIC LINE
bearing profile
PP 3700 - 24/38

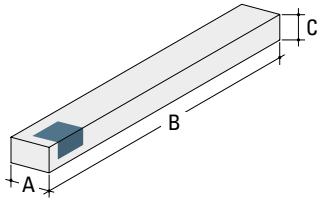


Profiles	pz	25			
Quantity	mt	92,5			
Weight	kg	acc. 34 – all. 14			
Dimensions	cm	19 a	375 b	6 c	

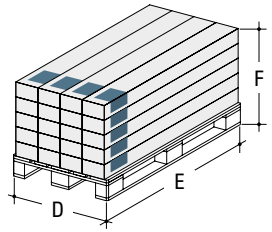


Boxes	pz	24			
Total profiles	pz	600			
Quantity	mt	2220			
Weight	kg	acc. 821 – all. 341			
Dimensions	cm	60 d	375 e	55 f	

CLASSIC LINE
long middle profile
IL 1200 - 24/38

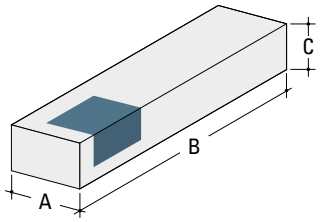


Profiles	pz	75			
Quantity	mt	90			
Weight	kg	acc. 26 – all. 12			
Dimensions	cm	19 a	125 b	12 c	

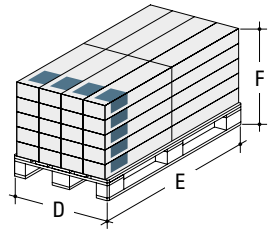


Boxes	pz	20			
Total profiles	pz	1500			
Quantity	mt	1800			
Weight	kg	acc. 525 – all. 245			
Dimensions	cm	80 d	125 e	75 f	

CLASSIC LINE
short middle profile
IC 600 - 24/38



Profiles	pz	75			
Quantity	mt	45			
Weight	kg	acc. 14 – all. 6			
Dimensions	cm	19 a	65,5 b	12 c	



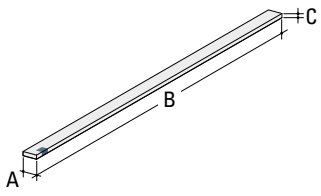
Boxes	pz	40			
Total profiles	pz	3000			
Quantity	mt	1800			
Weight	kg	acc. 565 – all. 245			
Dimensions	cm	80 d	125 e	75 f	

BAIONETTA

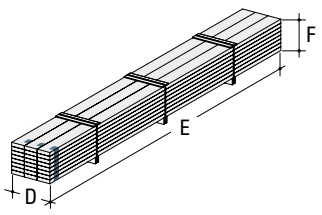
PACKAGING

PALLET

BAIONETTA
bearing profile
PP 3700 - 15/38

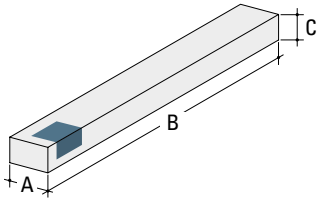


Profiles	pz	25		
Quantity	mt	74		
Weight	kg	25		
Dimensions	cm	100 a	375 b	45 c

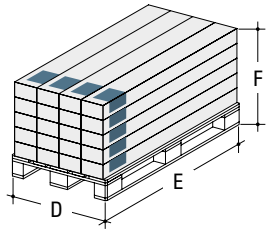


Boxes	pz	24		
Total profiles	pz	480		
Quantity	mt	1776		
Weight	kg	600		
Dimensions	cm	40 d	375 e	41,5 f

BAIONETTA
long middle profile
IL 1200 - 15/38

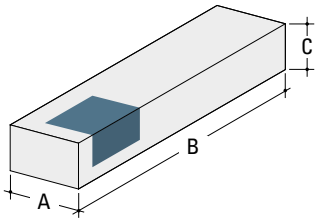


Profiles	pz	64		
Quantity	mt	76,8		
Weight	kg	26		
Dimensions	cm	15 a	125 b	10 c

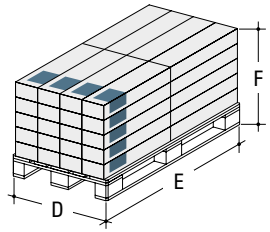


Boxes	pz	40		
Total profiles	pz	2560		
Quantity	mt	3072		
Weight	kg	1050		
Dimensions	cm	75 d	125 e	89 f

BAIONETTA
short middle profile
IC 600 - 15/38

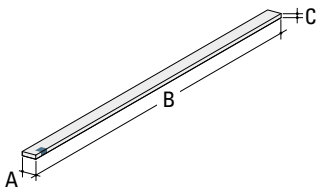


Profiles	pz	64		
Quantity	mt	45		
Weight	kg	13		
Dimensions	cm	15 a	65 b	10 c

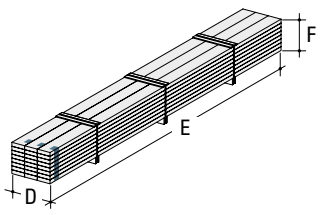


Boxes	pz	40		
Total profiles	pz	3000		
Quantity	mt	1800		
Weight	kg	560		
Dimensions	cm	75 d	125 e	89 f

BAIONETTA
bearing profile
PP 3700 - 24/38

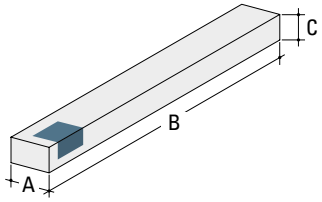


Profiles	pz	25		
Quantity	mt	92,5		
Weight	kg	34		
Dimensions	cm	19 a	375 b	6 c

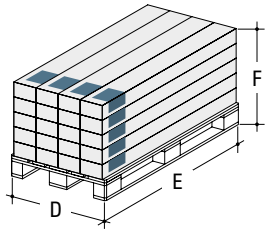


Boxes	pz	24		
Total profiles	pz	600		
Quantity	mt	2220		
Weight	kg	821		
Dimensions	cm	60 d	375 e	55 f

BAIONETTA
long middle profile
IL 1200 - 24/38

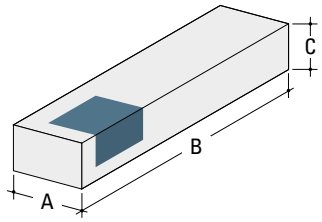


Profiles	pz	75		
Quantity	mt	90		
Weight	kg	26		
Dimensions	cm	19 a	125 b	12 c

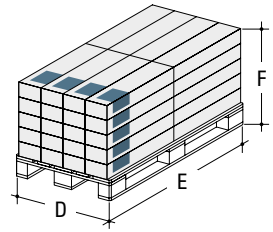


Boxes	pz	20		
Total profiles	pz	1500		
Quantity	mt	1800		
Weight	kg	525		
Dimensions	cm	80 d	125 e	75 f

BAIONETTA
short middle profile
IC 600 - 24/38



Profiles	pz	75		
Quantity	mt	45		
Weight	kg	14		
Dimensions	cm	19 a	65,5 b	12 c



Boxes	pz	40		
Total profiles	pz	3000		
Quantity	mt	1800		
Weight	kg	565		
Dimensions	cm	80 d	125 e	75 f

ANTONIO GUERRASIO srl

Headquarters and Production
Via Acquedotto, 1
84086 Roccapiemonte (SA)

Plant
Via Selvotta, 18
03024 Ceprano (FR)

Plant
Via Risorgimento, 6/A
30020 Cinto Caomaggiore (VE)

Tel: +39 081 931788
Fax: +39 081 6200757

info@vertebra.com
www.vertebra.com

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