



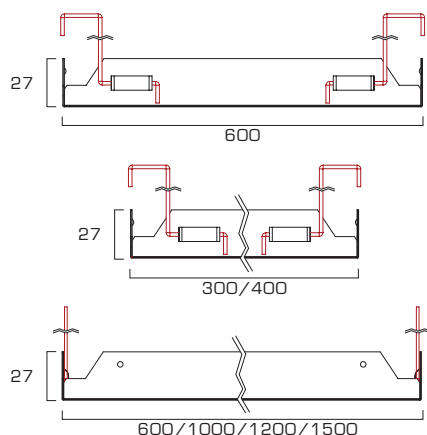
Data Sheet ENIGMA OPEN

DESCRIPTION

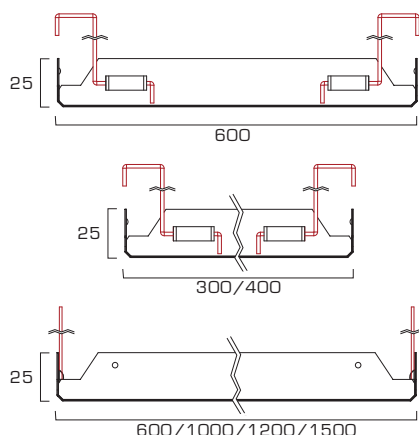
False ceiling made up of steel or aluminum tiles installed side by side on hidden structure with "hooking" opening. Enigma Open tiles are available with right or bevelled edges.

SECTIONS

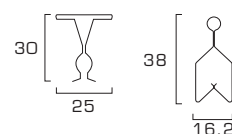
RIGHT EDGE



BEVELLED EDGE



STRUCTURE PROFILE SECTION



Enigma Open tiles can be installed with 5 different hidden structures.

TECHNICAL DATA

TILES DIMENSION 600x600 mm - 400x1000 mm - 300x1200mm - 300x1500mm
Other dimensions on request

TYPE Clip-in tiles
Right or bevelled edge

MATERIAL AND WEIGHTS
Aluminum 5/10: 1,61 kg/sqm
Aluminum 6/10: 1,92 kg/sqm
Aluminum 7/10: 2,24 kg/sqm
Steel 5/10: 4,60 kg/sqm
Steel 6/10: 5,52 kg/sqm

HIDDEN STRUCTURE
Single triangular structure
Double triangular structure with Winger
Single continental structure
Double continental structure with Winger
Double continental structure with "U" profile

CERTIFICATIONS

FLEXION RESISTANCE Maximum span mm 1200 - 1 Class

**DURABILITY OF PRE AND POST
PAINTED MATERIALS** C Class

**DURABILITY OF GALVANISED
MATERIALS** B Class

**RELEASE OF DANGEROUS
SUBSTANCES** No release of any dangerous substance according to European Law EN 13964:2014

FIRE REACTION According to UNI EN 13501-1: plain or perforated tiles with Viledon Plus A1 Class
perforated tiles with standard Viledon A2s1dO Class - structure A1 Class

ACOUSTIC TEST Refer to Atena Acoustic Catalogue

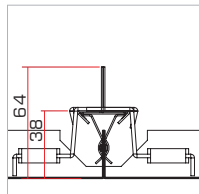
BEARING CAPACITY model 600x600: 8 kg/sqm model 300x1200: 10 kg/sqm

TRIANGULAR STRUCTURES

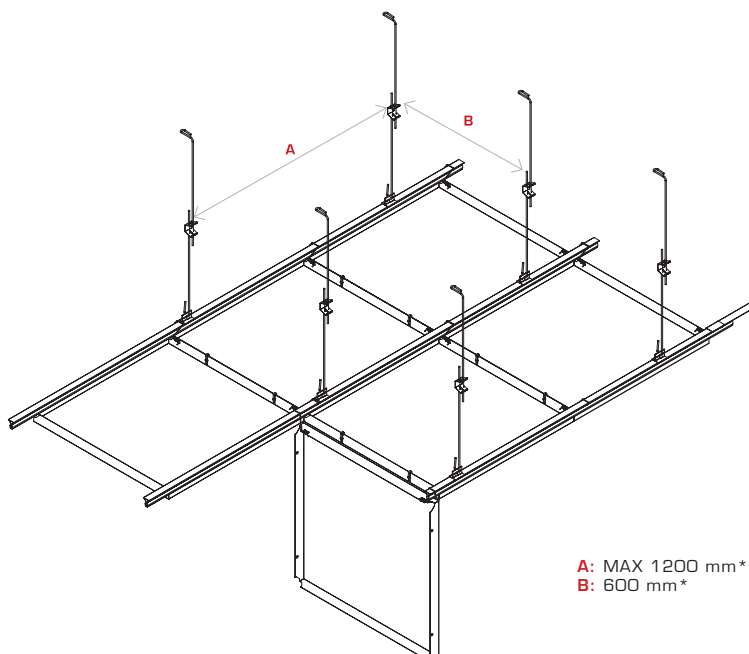
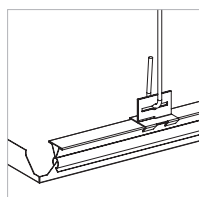
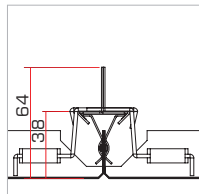
MODEL 600 x 600 mm

SINGLE TRIANGULAR STRUCTURE

RIGHT EDGE TILE SECTION



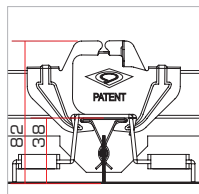
BEVELLED EDGE TILE SECTION



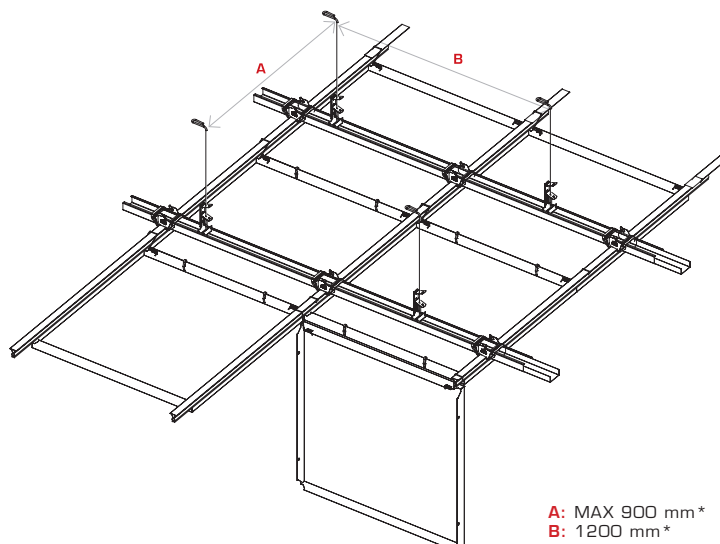
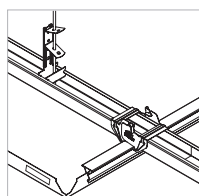
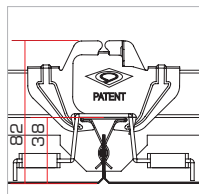
A: MAX 1200 mm*
B: 600 mm*

DOUBLE TRIANGULAR STRUCTURE + WINGER

RIGHT EDGE TILE SECTION



BEVELLED EDGE TILE SECTION



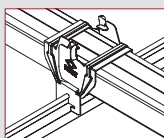
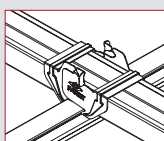
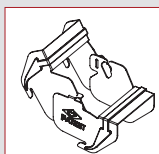
A: MAX 900 mm*
B: 1200 mm*

*Interaxe to be verified according to the load on m².

WINGER

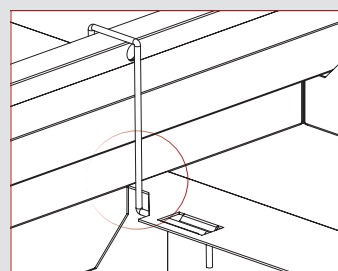
PATENTED

Winger is a safe and easy hooking system conceived to fix triangular and continental profiles to "C" carrier in few steps. The best way to reduce installation time in comparison to traditional systems.



SAFETY SPRING

Enigma tile has been equipped with slots and safety springs to hang the tiles in an easy and steady way.

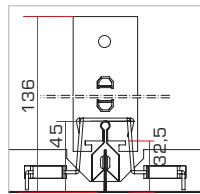


CONTINENTAL STRUCTURE

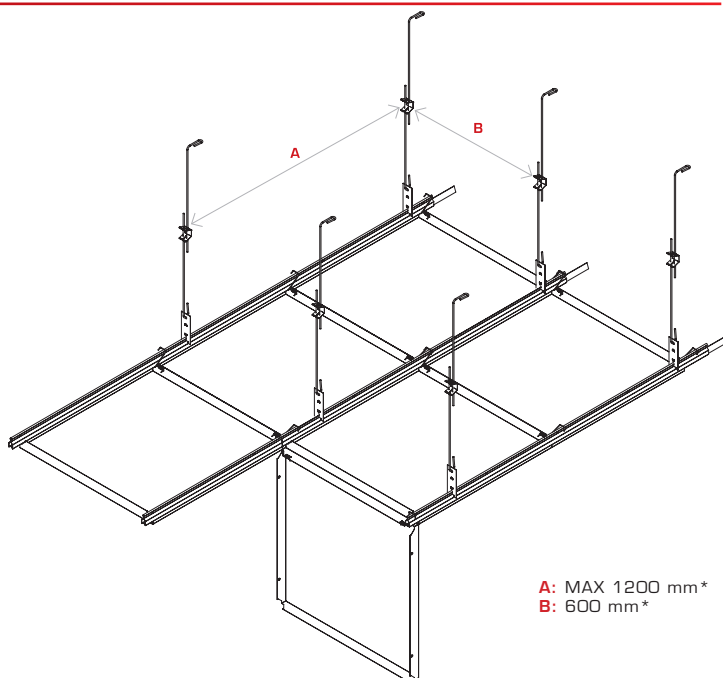
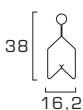
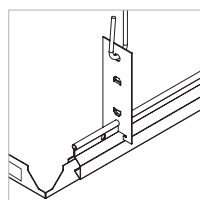
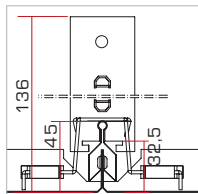
MODEL 600 x 600 mm

SINGLE CONTINENTAL STRUCTURE

RIGHT EDGE TILE SECTION



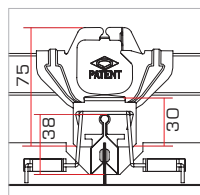
BEVELLED EDGE TILE SECTION



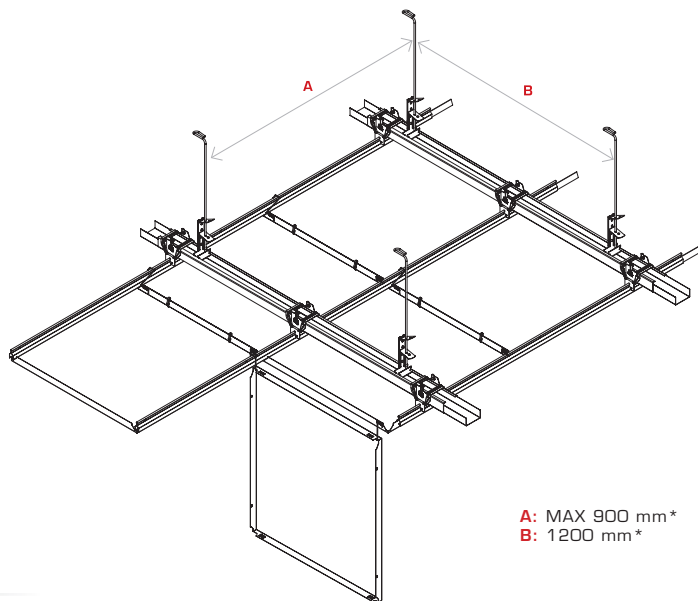
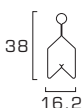
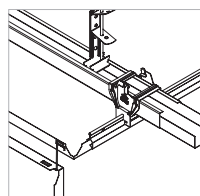
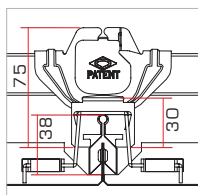
A: MAX 1200 mm*
B: 600 mm*

DOUBLE CONTINENTAL STRUCTURE + WINGER

RIGHT EDGE TILE SECTION



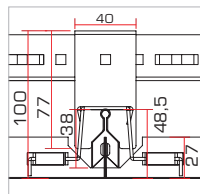
BEVELLED EDGE TILE SECTION



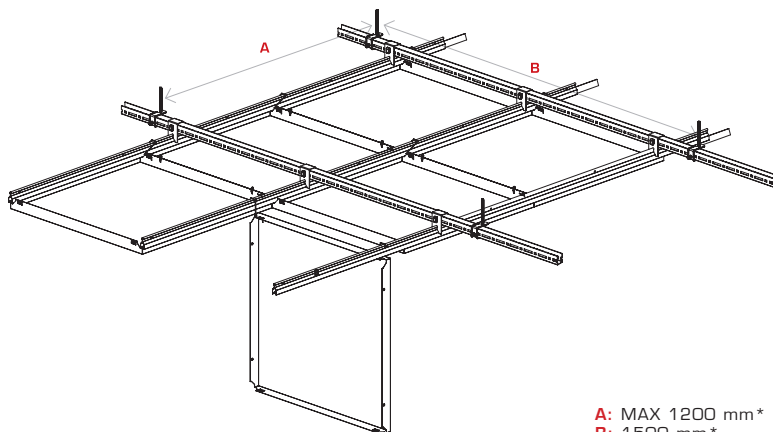
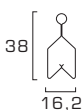
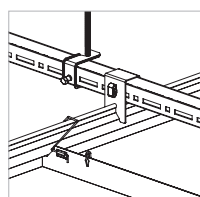
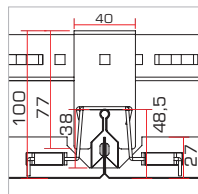
A: MAX 900 mm*
B: 1200 mm*

DOUBLE CONTINENTAL STRUCTURE + "U PROFILE"

RIGHT EDGE TILE SECTION



BEVELLED EDGE TILE SECTION



A: MAX 1200 mm*
B: 1500 mm*

*Interaxe to be verified according to the load on m².

All dimensions are nominal and expressed in millimeters.

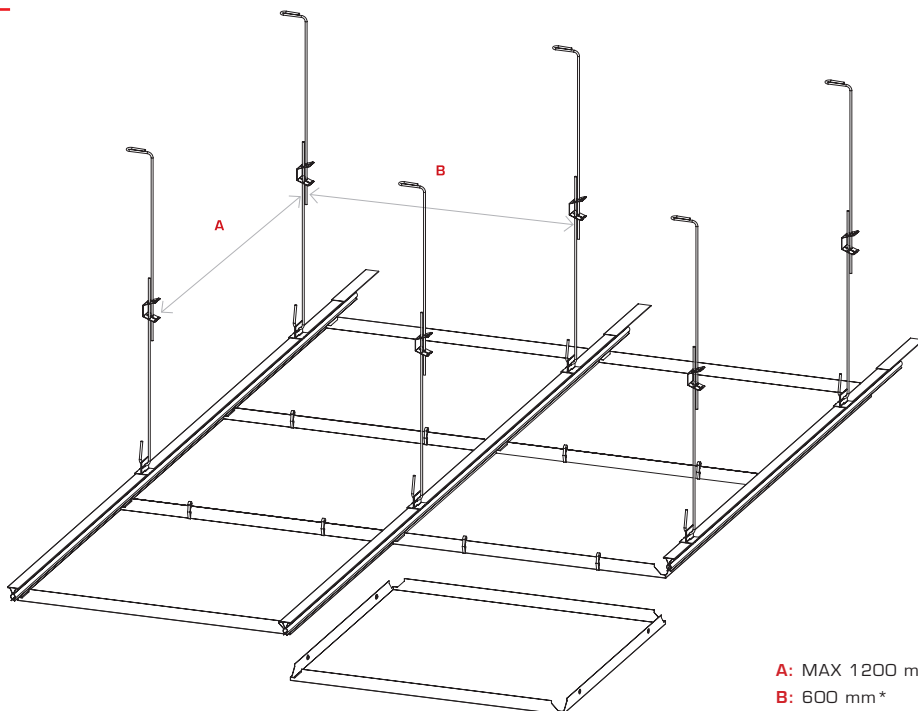
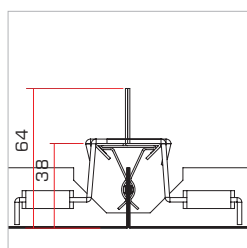
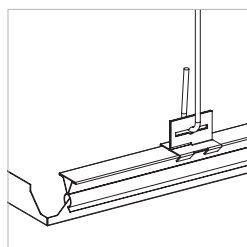
All technical specification data and information can be changed without advise.

For further information please contact sales department: tel. + 39 0421 75526 commerciale@atena-it.com

SINGLE TRIANGULAR STRUCTURE

MODEL 600 x 600 mm

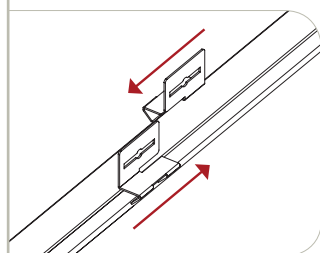
DETAILS



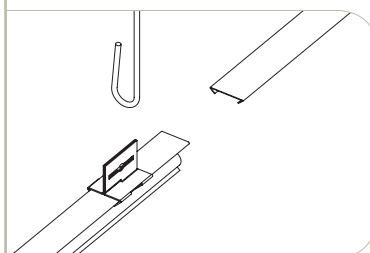
Laying instructions:

- Draw the lines of the perimeter frame.
- Determine the height of the ceiling with a level and mark it with a string.
- Install the perimeter profiles.
- Proceed with the hangers.
- Install structure and tiles as following:

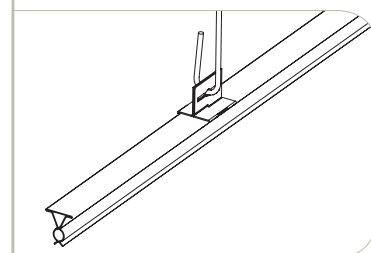
1) HOOK THE HANGING BRACKET TO THE TRIANGULAR PROFILE.



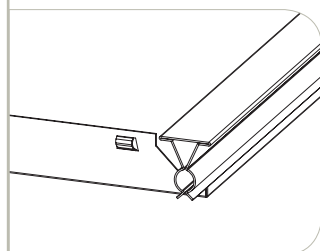
2) HANG THE BRACKET.



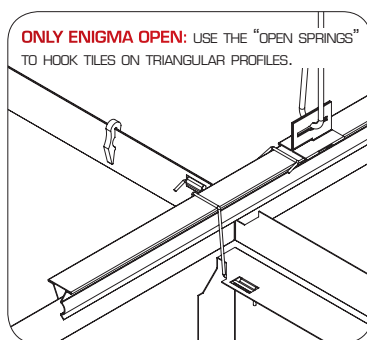
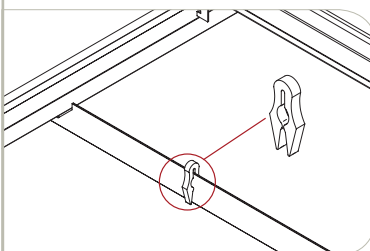
3) HANG ALL PROFILES.



4) COMPLETE THE INSTALLATION OF THE TILES PUSHING THEM ON PROFILES.



5) Fix tiles to each other using the PVC clips.



* Verify the interaxe according to the load at m² and particular conditions

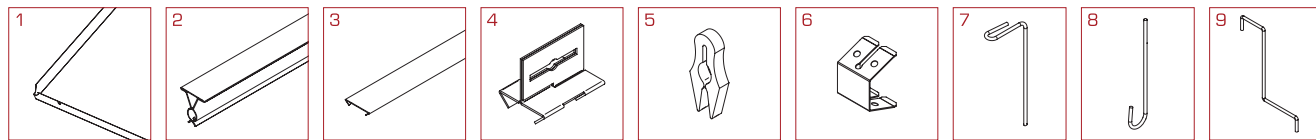
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ENIGMA OPEN INCIDENCES

MODEL 600 x 600 mm



SINGLE TRIANGULAR STRUCTURE				
ID	DESCRIPTION	MATERIAL	QUANTITY	
1	ENIGMA OPEN TILE	steel / alumium	(pcs/sqm)	2,78
2	TRIANGULAR PROFILE	galvanised steel 5/10	(lm/sqm)	1,70
3	TRIANGULAR PROFILE JOINT	galvanised steel 5/10	(pcs/sqm)	0,45
4	FIXING CLIP FOR TS	galvanised steel 5/10	(pcs/sqm)	1,5
5	CLIPS	PVC	(pcs/sqm)	4
6	Ø4 DOUBLE SPRING	spring steel	(pcs/sqm)	1,5
7	Ø4 HANGER WITH EYE	galvanised steel	(pcs/sqm)	1,5
8	Ø4 HANGER WITH HOOK	galvanised steel	(pcs/sqm)	1,5
9	OPEN SPRING	galvanised steel	(pcs/sqm)	6

Note for Enigma tile application:

Post painted steel Enigma to be used with continental profile.

Pre painted steel Enigma to be used with triangular profile.

Pre and post painted aluminum Enigma to be used with pre painted triangular profile.

MATERIAL WEIGHTS

MODEL 600 x 600 mm

TILES					COMBINED HIDDEN STRUCTURES WEIGHT	
MODEL	DIMENSIONS	MATERIALS	THICKNESS	kg/m ²	SINGLE TRIANGULAR PROFILE kg/m ²	
					S	S+P
ENIGMA OPEN	600 x 600	ALUMINUM	5/10	1,61	0,81	2,42
			6/10	1,94	0,81	2,75
			7/10	2,24	0,81	3,05
		STEEL	5/10	4,61	0,81	5,42
			6/10	5,53	0,81	6,34

S THIS TERM REFERS TO THE WEIGHT OF THE STRUCTURE ONLY

S + P THIS TERM REFERS TO THE TOTAL WEIGHT OF THE CEILING STRUCTURE AND TILES

STRUCTURE WEIGHTS DO NOT CONSIDER HANGERS - TILES WEIGHT REFERS TO SMOOTH TILES ONLY

PACKAGING

MODEL 600 x 600 mm

SPECIFICHE IMBALLI						
MODELS	DIMENSIONS	MATERIALS	THICKNESS	PIECES PER BOX*	BOXES PER PALLET	CODE**
ENIGMA OPEN	600 x 600	ALUMINUM	5/10	10	28	PE0PRL5BIC000NB
			6/10	10	28	PE0PRL6BIC000NB
			7/10	10	28	PE0PRL7BIC000NB
		STEEL	5/10	10	28	PE0PRC5BIC000NB
			6/10	10	28	PE0PRC6BIC000NB

**THE GREY PART OF THE CODE CHANGES ACCORDING TO THE TILES SPECIFICATIONS

All dimensions are nominal and expressed in millimeters.

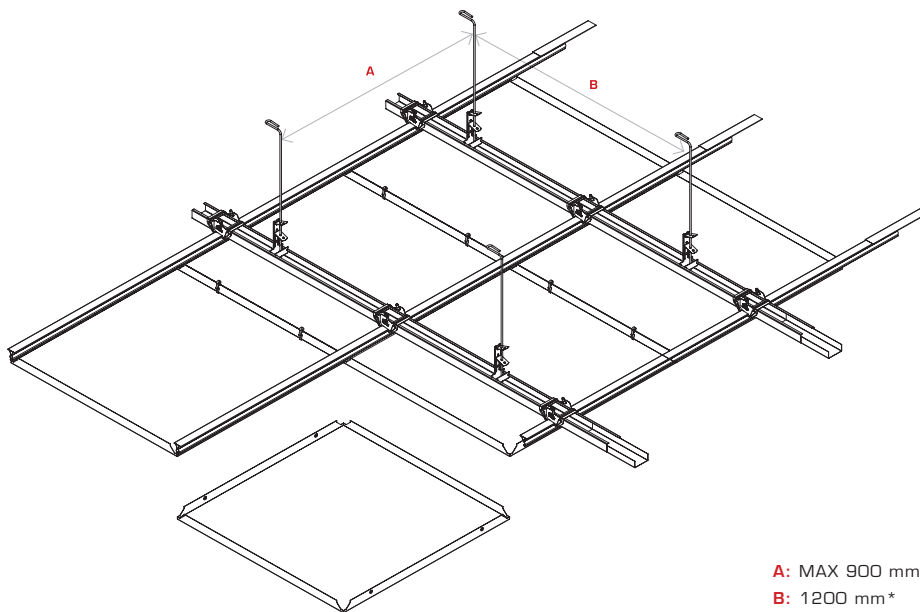
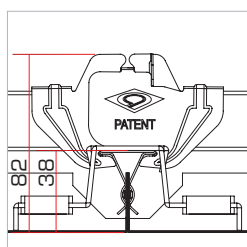
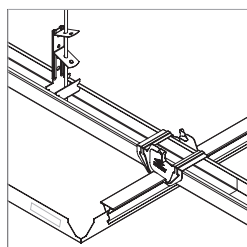
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DOUBLE TRIANGULAR STRUCTURE + WINGER

MODEL 600 x 600 mm

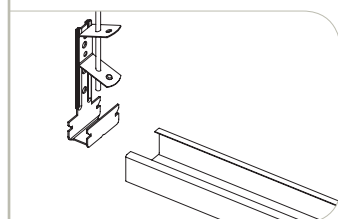
DETAILS



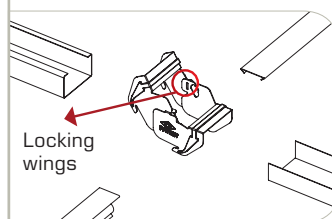
Laying instructions:

- Draw the lines of the perimeter frame.
- Determine the height of the ceiling with a level and mark it with a string.
- Install the perimeter profiles.
- Proceed with the hangers.
- Install structure and tiles as following:

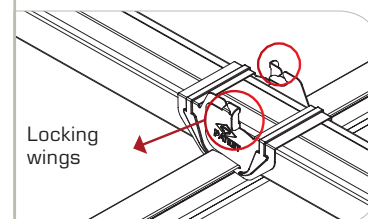
1) INSERT THE SPRING HOOK ON THE CARRIER.



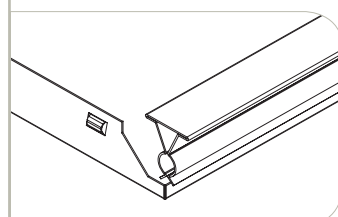
2) PLACE THE WINGER HOOK OVER THE CARRIER AND CLOSE IT WITH THE TRIANGULAR PROFILE.



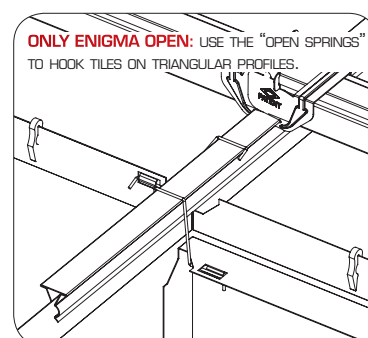
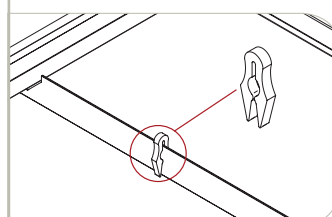
3) CLOSE WINGER CLIPS.



4) COMPLETE THE TILES INSTALLATION PUSHING THEM ON PROFILE.



5) FIX TILES TO EACH OTHER USING THE PVC CLIPS.



* Verify the interaxe according to the load at m² and particular conditions

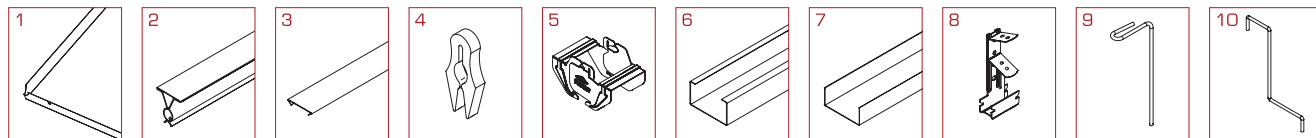
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ENIGMA OPEN INCIDENCES

MODEL 600 x 600 mm



DOUBLE TRIANGULAR STRUCTURE + WINGER				
ID	DESCRIPTION	MATERIAL	QUANTITY	
1	ENIGMA OPEN TILE	steel / aluminum	(pcs/sqm)	2,78
2	TRIANGULAR PROFILE	galvanised steel 5/10	(lm/sqm)	1,70
3	TRIANGULAR PROFILE JOINT	galvanised steel 5/10	(pcs/sqm)	0,45
4	CLIPS	PVC	(pcs/sqm)	4
5	WINGER HOOK	galvanised steel 8/10	(pcs/sqm)	1,50
6	49x27 "C" CARRIER	galvanised steel 6/10	(lm/sqm)	0,85
7	CARRIER JOINT	galvanised steel 6/10	(pcs/sqm)	0,22
8	HOOK WITH SPRING	galvanised steel 8/10	(pcs/sqm)	1
9	Ø4 HANGER WITH EYE	galvanised steel	(pcs/sqm)	1
10	OPEN SPRING	galvanised steel	(pcs/sqm)	6

Note for Enigma tile application:

Post painted steel Enigma to be used with continental profile.

Pre painted steel Enigma to be used with triangular profile.

Pre and post painted aluminum Enigma to be used with pre painted triangular profile.

MATERIAL WEIGHTS

MODEL 600 x 600 mm

TILES					COMBINED HIDDEN STRUCTURES WEIGHT	
MODEL	DIMENSIONS	MATERIALS	THICKNESS	kg/m ²	DOUBLE TRIANGULAR STRUCTURE + WINGER kg/sqm	
					S	S+P
ENIGMA OPEN	600 x 600	ALUMINUM	5/10	1,61	1,26	2,87
			6/10	1,94	1,26	3,20
			7/10	2,24	1,26	3,50
		STEEL	5/10	4,61	1,26	5,87
			6/10	5,53	1,26	6,79

S THIS TERM REFERS TO THE WEIGHT OF THE STRUCTURE ONLY

S + P THIS TERM REFERS TO THE TOTAL WEIGHT OF THE CEILING STRUCTURE AND TILES

STRUCTURE WEIGHTS DO NOT CONSIDER HANGERS - TILES WEIGHT REFERS TO SMOOTH TILES ONLY

PACKAGING

MODEL 600 x 600 mm

PACKAGING						
MODEL	DIMENSIONS	MATERIALS	THICKNESS	PIECES PER BOX*	BOXES PER PALLET	CODE**
ENIGMA OPEN	600 x 600	ALUMINUM	5/10	10	28	PE0PRL5BIC000NB
			6/10	10	28	PE0PRL6BIC000NB
			7/10	10	28	PE0PRL7BIC000NB
		STEEL	5/10	10	28	PE0PRC5BIC000NB
			6/10	10	28	PE0PRC6BIC000NB

**THE GREY PART OF THE CODE CHANGES ACCORDING TO THE TILES SPECIFICATIONS

All dimensions are nominal and expressed in millimeters.

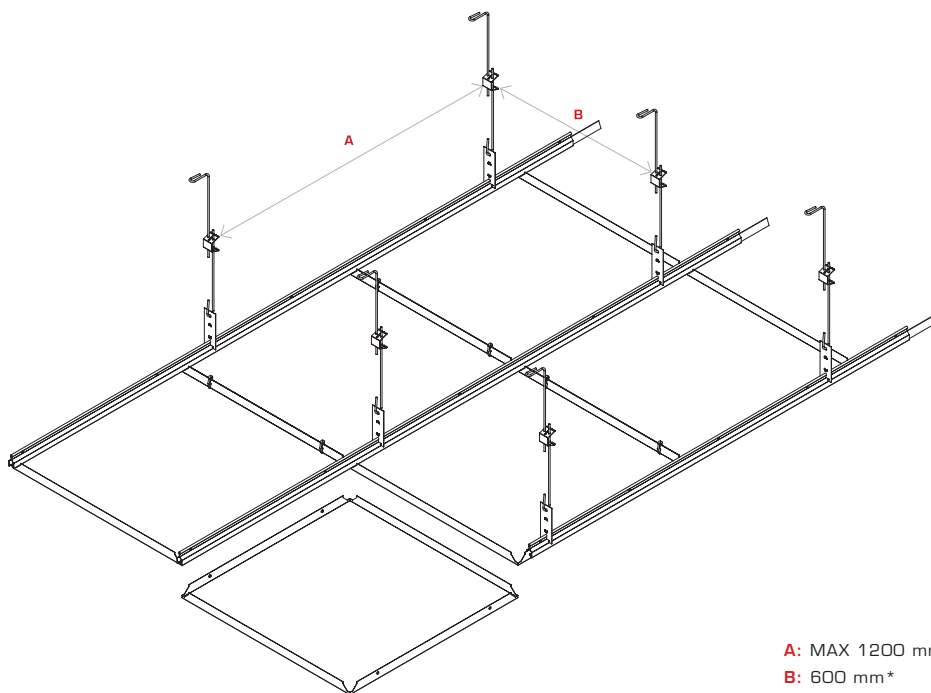
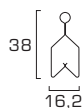
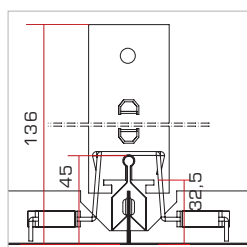
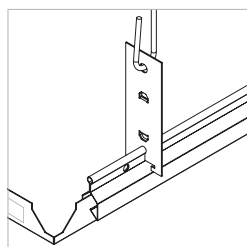
All technical specification data and information can be changed without advise.

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SINGLE CONTINENTAL PROFILE

MODEL 600 x 600 mm

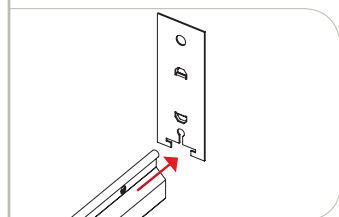
DETAILS



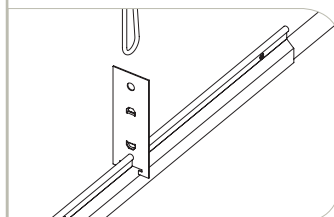
Laying instructions:

- Draw the lines of the perimeter frame.
- Determine the height of the ceiling with a level and mark it with a string.
- Install the perimeter profiles.
- Proceed with the hangers.
- Install structure and tiles as following:

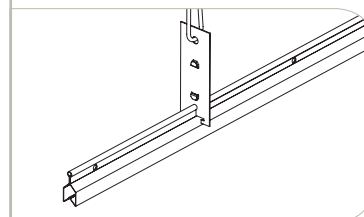
1) HOOK THE HANGING BRACKET TO THE CONTINENTAL PROFILE.



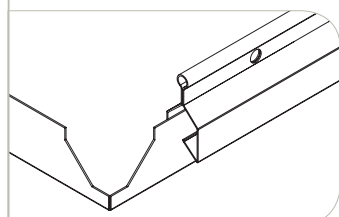
2) HANG THE BRACKET.



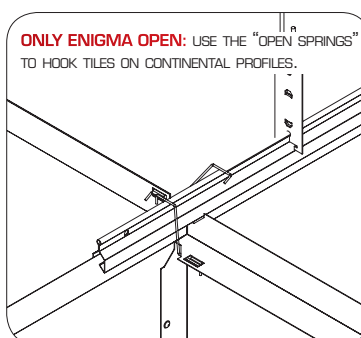
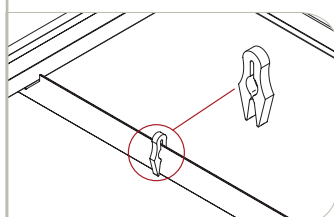
3) HANG ALL PROFILES.



4) COMPLETE THE TILES INSTALLATION PUSHING THEM ON PROFILE.



5) FIX TILES TO EACH OTHER USING THE PVC CLIPS.



* Verify the interaxe according to the load at m² and particular conditions

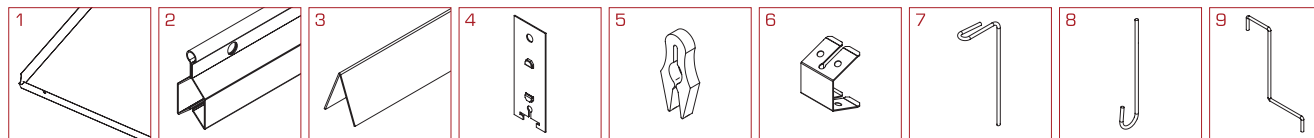
All dimensions are nominal and expressed in millimeters.

All technical specification data and information can be changed without advise.

For further information please contact sales department: tel. + 39 0421 75526 commerciale@atena-it.com

ENIGMA OPEN INCIDENCES

MODEL 600 x 600 mm



SINGLE CONTINENTAL STRUCTURE				
ID	DESCRIPTION	MATERIAL	QUANTITY	
1	ENIGMA OPEN TILE	steel / aluminum	(pcs/sqm)	2,78
2	CONTINENTAL PROFILE	galvanised steel 6/10	(lm/sqm)	1,70
3	CONTINENTAL PROFILE JOINT	galvanised steel 5/10	(pcs/sqm)	0,45
4	FIXING CLIP	galvanised steel 10/10	(pcs/sqm)	1,5
5	CLIPS	PVC	(pcs/sqm)	4
6	Ø4 DOUBLE SPRING	spring steel	(pcs/sqm)	1,5
7	Ø4 HANGER WITH EYE	galvanised steel	(pcs/sqm)	1,5
8	Ø4 HANGER WITH HOOK	galvanised steel	(pcs/sqm)	1,5
9	OPEN SPRING	galvanised steel	(pcs/sqm)	6

Note for Enigma tile application:

Post painted steel Enigma to be used with continental profile.

Pre painted steel Enigma to be used with triangular profile.

Pre and post painted aluminum Enigma to be used with pre painted triangular profile.

MATERIAL WEIGHTS

MODEL 600 x 600 mm

TILES					COMBINED HIDDEN STRUCTURES WEIGHT	
MODEL	DIMENSIONS	MATERIALS	THICKNESS	kg/m ²	SINGLE CONTINENTAL STRUCTURE kg/m ²	
					S	S+P
ENIGMA OPEN	600 x 600	ALUMINUM	5/10	1,61	1,01	2,62
			6/10	1,94	1,01	2,95
			7/10	2,24	1,01	3,25
		STEEL	5/10	4,61	1,01	5,62
			6/10	5,53	1,01	6,54

S THIS TERM REFERS TO THE WEIGHT OF THE STRUCTURE ONLY

S + P THIS TERM REFERS TO THE TOTAL WEIGHT OF THE CEILING STRUCTURE AND TILES

STRUCTURE WEIGHTS DO NOT CONSIDER HANGERS - TILES WEIGHT REFERS TO SMOOTH TILES ONLY

PACKAGING

MODEL 600 x 600 mm

PACKAGING						
MODEL	DIMENSIONS	MATERIALS	THICKNESS	PIECES PER BOX*	BOXES PER PALLET	CODE**
ENIGMA OPEN	600 x 600	ALUMINUM	5/10	10	28	PE0PRL5BIC000NB
			6/10	10	28	PE0PRL6BIC000NB
			7/10	10	28	PE0PRL7BIC000NB
		STEEL	5/10	10	28	PE0PRC5BIC000NB
			6/10	10	28	PE0PRC6BIC000NB

**THE GREY PART OF THE CODE CHANGES ACCORDING TO THE TILES SPECIFICATIONS

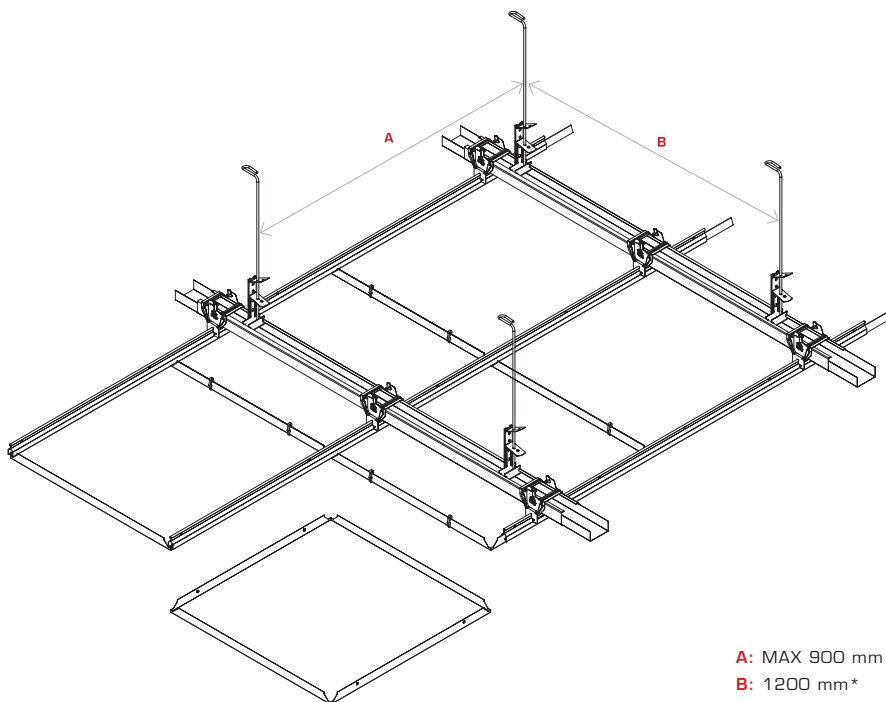
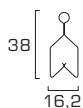
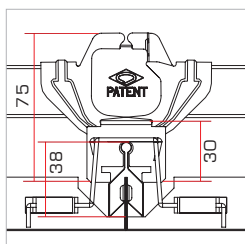
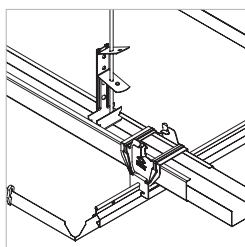
All dimensions are nominal and expressed in millimeters.

All technical specification data and information can be changed without advise.

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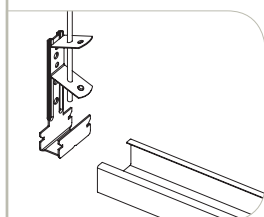
DOUBLE CONTINENTAL STRUCTURE + WINGER

MODEL 600 x 600 mm

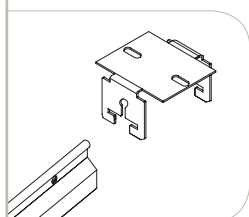
DETAILS**Laying instructions:**

- Draw the lines of the perimeter frame.
- Determine the height of the ceiling with a level and mark it with a string
- Install the perimeter profiles.
- Proceed with the hangers.
- Install structure and tiles as following:

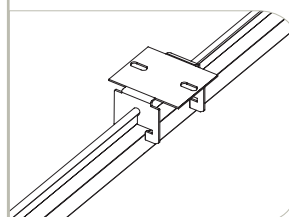
1) INSERT THE SPRING HOOK ON THE CARRIER.



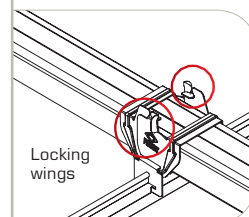
2) INSERT WINGER JOINT IN CONTINENTAL PROFILE.



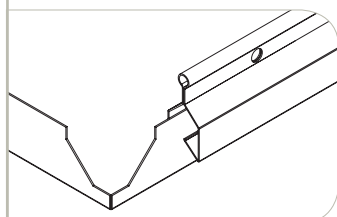
3) USE WINGER HOOK TO CLASP CARRIER AND CONTINENTAL PROFILE JOINT.



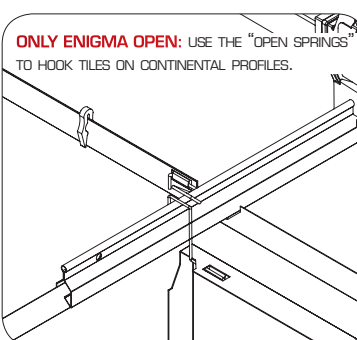
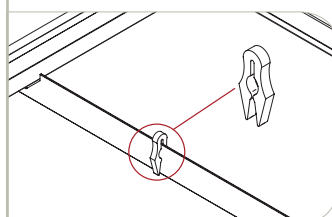
4) CLOSE WINGER WINGS.



5) COMPLETE THE TILES INSTALLATION PUSHING THEM ON PROFILE.



6) FIX TILES EACH OTHER USING THE PVC CLIPS.



* Verify the interaxe according to the load at m² and particular conditions

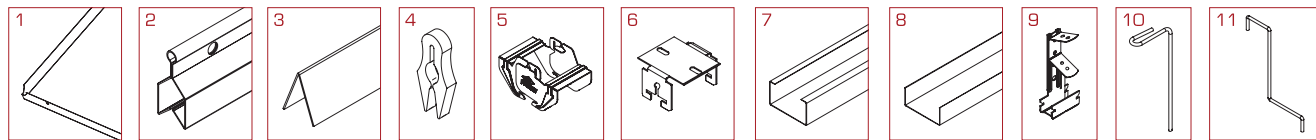
All dimensions are nominal and expressed in millimeters.

All technical specification data and information can be changed without advise.

For further information please contact sales department: tel. + 39 0421 75526 commerciale@atena-it.com

ENIGMA OPEN INCIDENCES

MODEL 600 x 600 mm



DOUBLE CONTINENTAL STRUCTURE + WINGER				
ID	DESCRIPTION	MATERIAL	QUANTITY	
1	ENIGMA OPEN TILE	steel / aluminum	(pcs/sqm)	2,78
2	CONTINENTAL PROFILE	galvanised steel 6/10	(lm/sqm)	1,70
3	CONTINENTAL PROFILE JOINT	galvanised steel 5/10	(pcs/sqm)	0,45
4	CLIPS	PVC	(pcs/sqm)	4
5	WINGER HOOK	galvanised steel 8/10	(pcs/sqm)	1,50
6	RACCORDO WINGER	galvanised steel 10/10	(pcs/sqm)	1,50
7	49x27 "C" CARRIER	galvanised steel 6/10	(lm/sqm)	0,85
8	CARRIER JOINT	galvanised steel 6/10	(pcs/sqm)	0,22
9	HOOK WITH SPRING	galvanised steel 8/10	(pcs/sqm)	1
10	Ø4 HANGER WITH EYE	galvanised steel	(pcs/sqm)	1
11	OPEN SPRING	galvanised steel	(pcs/sqm)	6

Note for Enigma tile application:

Post painted steel Enigma to be used with continental profile.

Pre painted steel Enigma to be used with triangular profile.

Pre and post painted aluminum Enigma to be used with pre painted triangular profile.

MATERIAL WEIGHTS

MODEL 600 x 600 mm

TILES					COMBINED HIDDEN STRUCTURES WEIGHT	
MODEL	DIMENSIONS	MATERIALS	THICKNESS	kg/m ²	DOUBLE CONTINENTAL STRUCTURE + WINGER kg/m ²	
					S	S+P
ENIGMA OPEN	600 x 600	ALUMINUM	5/10	1,61	1,11	2,72
			6/10	1,94	1,11	3,05
			7/10	2,24	1,11	3,35
		STEEL	5/10	4,61	1,11	5,72
			6/10	5,53	1,11	6,64

S THIS TERM REFERS TO THE WEIGHT OF THE STRUCTURE ONLY

S + P THIS TERM REFERS TO THE TOTAL WEIGHT OF THE CEILING STRUCTURE AND TILES

STRUCTURE WEIGHTS DO NOT CONSIDER HANGERS - TILES WEIGHT REFERS TO SMOOTH TILES ONLY

PACKAGING

MODEL 600 x 600 mm

PACKAGING						
MODEL	DIMENSIONS	MATERIALS	THICKNESS	PIECES PER BOX*	BOXES PER PALLET	CODE**
ENIGMA OPEN	600 x 600	ALUMINUM	5/10	10	28	PE0PRL5BIC000NB
			6/10	10	28	PE0PRL6BIC000NB
			7/10	10	28	PE0PRL7BIC000NB
		STEEL	5/10	10	28	PE0PRC5BIC000NB
			6/10	10	28	PE0PRC6BIC000NB

**THE GREY PART OF THE CODE CHANGES ACCORDING TO THE TILES SPECIFICATIONS

All dimensions are nominal and expressed in millimeters.

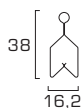
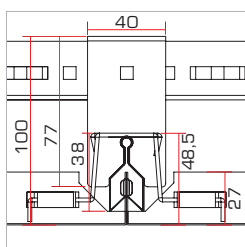
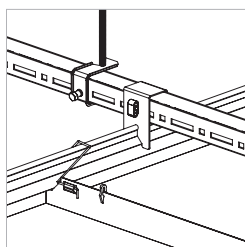
All technical specification data and information can be changed without advise.

For further information please contact sales department: tel. + 39 0421 75526 commerciale@atena-it.com

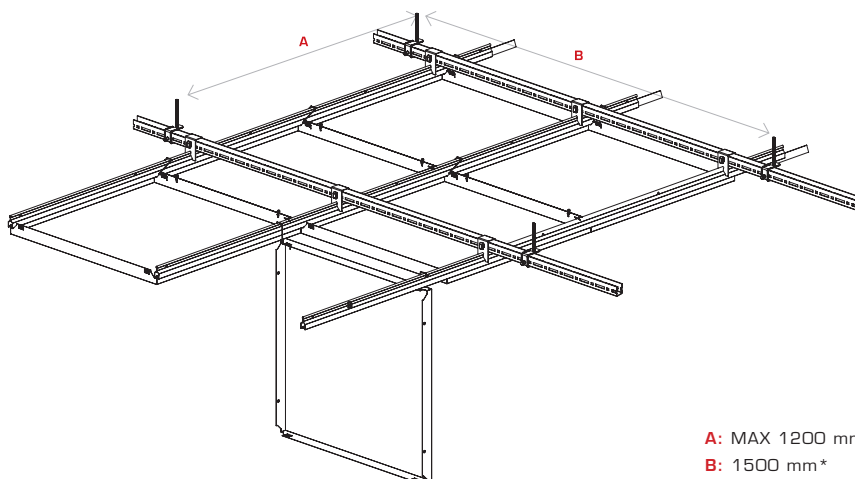
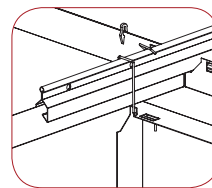
DOUBLE CONTINENTAL STRUCTURE WITH "U" PROFILE

MODEL 600 x 600 mm

DETAILS



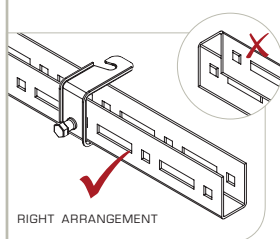
ONLY ENIGMA OPEN: USE THE "OPEN SPRINGS" TO HOOK TILES ON CONTINENTAL PROFILES.



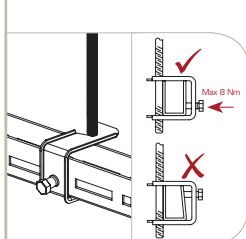
Laying instructions:

- Draw the lines of the perimeter frame.
- Determine the height of the ceiling with a level and mark it with a string.
- Install the perimeter profiles.
- Prepare the hanger grid fixing the threaded bar to the loft.
- Install structure and tiles as following:

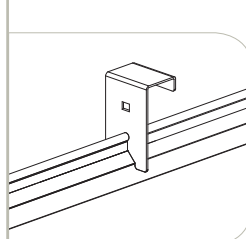
1) HANG THE BRACKET TO "U" PROFILE.



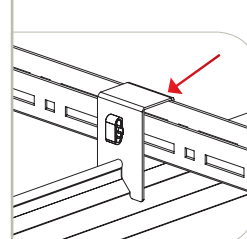
2) THEN, HOOK IT TO THE HANGER.



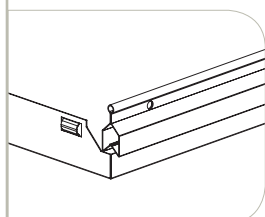
3) FIX CROSSING BRACKET ON CONTINENTAL PROFILE.



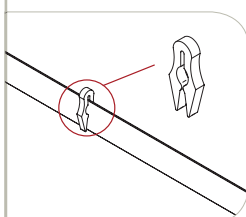
4) HOOK THE CROSSING BRACKET ON "U" PROFILE AND LOCK IT.



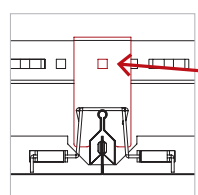
5) PROCEED THE TILES INSTALLATION PUSHING THEM ON PROFILE.



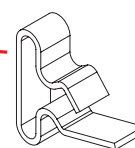
6) FIX TILES EACH OTHER USING THE PVC CLIPS.



THE LOCKING CLIP MUST BE ALWAYS PLUGGED IN THE SQUARE HOLE OF THE "U" PROFILE. THE SQUARE HOLE CAN BE BOTH ON THE RIGHT OR LEFT SIDE.



SAFETY CLIP



* Verify the interaxe according to the load at m² and particular conditions

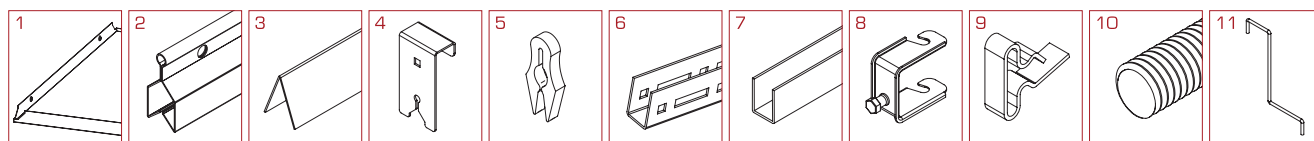
All dimensions are nominal and expressed in millimeters.

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For further information please contact sales department: tel. + 39 0421 75526 commerciale@atena-it.com

INCIDENZE ENIGMA OPEN

MODEL 600 x 600 mm



DOUBLE CONTINENTAL STRUCTURE WITH "U" PROFILE				
ID	DESCRIPTION	MATERIAL	QUANTITY	
1	ENIGMA OPEN TILE	steel / aluminum	(pcs/sqm)	2,78
2	CONTINENTAL PROFILE	galvanised steel 6/10	(lm/sqm)	1,70
3	CONTINENTAL PROFILE JOINT	galvanised steel 5/10	(pcs/sqm)	0,45
4	DOUBLE CONTINENTAL SYSTEM BRACKET	galvanised steel 10/10	(pcs/sqm)	1,15
5	CLIPS	PVC	(pcs/sqm)	4
6	"U" 30x20x30 PROFILE	galvanised steel 15/10	(lm/sqm)	0,70
7	"U" PROFILE JOINT	galvanised steel	(pcs/sqm)	0,20
8	Ø6 mm THREADED BAR BRACKET	hardened steel	(pcs/sqm)	0,60
9	SAFETY CLIP	spring steel	(pcs/sqm)	1,15
10	Ø6 THREADED BAR	galvanised steel	(pcs/sqm)	0,60
11	OPEN SPRING	galvanised steel	(pcs/sqm)	6

Note for Enigma tile application:

Post painted steel Enigma to be used with continental profile.

Pre painted steel Enigma to be used with triangular profile.

Pre and post painted aluminum Enigma to be used with pre painted triangular profile.

MATERIAL WEIGHT

MODEL 600 x 600 mm

TILES					COMBINED HIDDEN STRUCTURES WEIGHT	
MODEL	DIMENSIONS	MATERIALS	THICKNESS	kg/m ²	DOUBLE CONTINENTAL STRUCTURE WITH "U" PROFILE kg/m ²	
					S	S+P
ENIGMA OPEN	600 x 600	ALUMINUM	5/10	1,61	1,59	3,20
			6/10	1,94	1,59	3,53
			7/10	2,24	1,59	3,83
		STEEL	5/10	4,61	1,59	6,20
			6/10	5,53	1,59	7,12

S THIS TERM REFERS TO THE WEIGHT OF THE STRUCTURE ONLY

S + P THIS TERM REFERS TO THE TOTAL WEIGHT OF THE CEILING STRUCTURE AND TILES

STRUCTURE WEIGHTS DO NOT CONSIDER HANGERS - TILES WEIGHT REFERS TO SMOOTH TILES ONLY

PACKAGING

MODEL 600 x 600 mm

PACKAGING						
MODEL	DIMENSIONS	MATERIALS	THICKNESS	PIECES PER BOX*	BOXES PER PALLET	CODE**
ENIGMA OPEN	600 x 600	ALUMINUM	5/10	10	28	PE0PRL5BIC000NB
			6/10	10	28	PE0PRL6BIC000NB
			7/10	10	28	PE0PRL7BIC000NB
		STEEL	5/10	10	28	PE0PRC5BIC000NB
			6/10	10	28	PE0PRC6BIC000NB

**THE GREY PART OF THE CODE CHANGES ACCORDING TO THE TILES SPECIFICATIONS

All dimensions are nominal and expressed in millimeters.

All technical specification data and information can be changed without advise.

For further information please contact sales department: tel. + 39 0421 75526 commerciale@atena-it.com

TECHNICAL SPECIFICATION

MATERIAL AND COLOR:

- Aluminum 5/10 White | Silver | Gloss AISI
 - Aluminum 6/10 White | Silver
 - Steel 5/10 - 6/10 White | Silver
- Postpainted similar to RAL 9010 and RAL 7035 (gloss and matt)
 Postpainted all RAL color gloss and semi-gloss
 SILVER postpainted similar to RAL 9006 and all matt RAL colors.
 See "Colors and Materials" data sheet

FINISHING:

Plain surface

Perforated surface:

- Perforation type
- Hole
- Diagonal or parallel perforation
- % perforated area

Read Atena Perforations data sheet

HIDDEN STRUCTURE:

- Single triangular structure
- Double triangular structure + Winger
- Single continental structure
- Double continental structure + Winger
- Double continental structure + "U" profile

PERIMETER PROFILES:

Chosen by project requirements, see Metal Modular Catalogue, "Perimeter profiles" section.

Fire reaction according to UNI EN 13964 A1 Class for plain or perforated tiles with Viledon Plus, A2s1d0 Class for perforated tiles with standard Viledon.

The panels will be removable to ensure any easy access to the interspace and a flexible positioning of the lighting elements.

In case the perimeter frame is made up of cutted tiles, we recommend the use of plain tiles.

Good results in terms of sound-absorbency can be obtained with perforated tiles by inserting rockwool or mineral fiber on the back, packed in hot-sealed polyethylene containers.

STORAGE MODE

In order to guarantee to customers the realization of a perfect false ceiling, materials supplied by Atena S.p.A. shall be maintained in good conditions from purchase to installation.

They must be stored in a closed, clean and dry site.

Atena S.p.A. protects its products with resistant packaging under normal handling.

Please handle packages with care to avoid shocks and inappropriate handling that might damage what is provided.

Tiles are packaged in brown cardboard boxes with stripe and delivered on pallets secured with cellophane.

The manual handling must be carried out with caution and in compliance with safety regulations at work.

For carriage of packaged products on pallets, provide a mechanical transport to avoid damages or risks resulting from inadequate transport.

CLEANING, MAINTENANCE AND REMOVAL

Cleaning and maintenance require some attention and care even though are easy to make and don't take much time. It is necessary to use neutral and not aggressive soaps. In case of any damage, tiles can be repainted or replaced.

False ceilings maintenance usually refers to:

placing, alignment or replacement of damaged or broken tiles. Panels can be also removed for restoration or maintenance of the system below.

The maintenance work shall be appointed to: specialised workers trained with technical data sheets about setting, removal and maintenance of the false ceilings, in order to ensure excellent results.

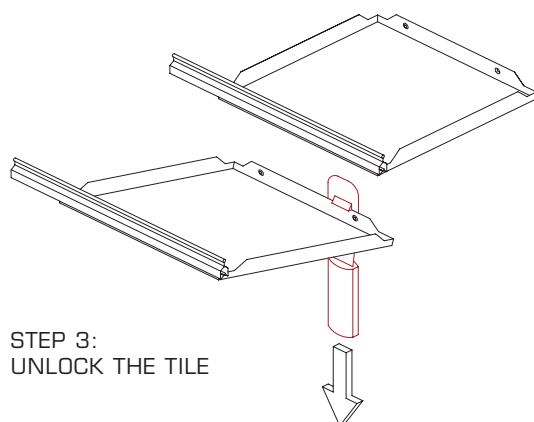
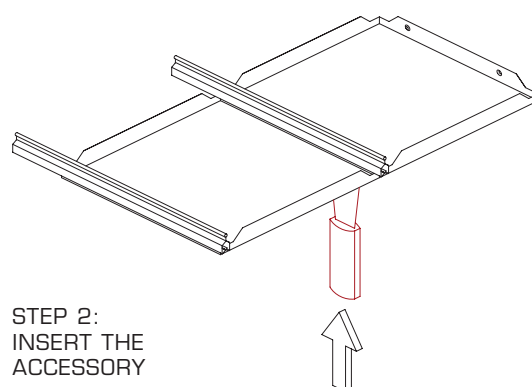
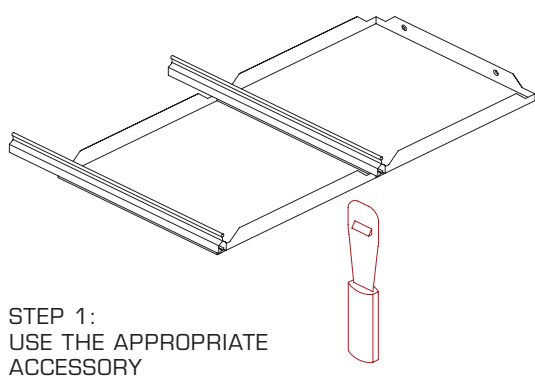
The tiles shall be taken off with the use of a specific tool supplied by Atena S.p.A. which allows the tiles removal without damaging the structure. (see picture below).

Using inadequate tools can damage the structure, causing adherence loss or even accidental panel fall.

All the maintenance intervention must follow the technical data sheet indication and every noted diversity has to be promptly reported.

Each worker assigned with maintenance operation must carefully remove the tile, perform the intervention and do not alter the false ceiling structure, the hanging system and the connection between these elements.

When the maintenance is over, install again the panels, verifying that the tiles are properly hooked on the profiles and the planarity is guaranteed. Any difference in tiles level is caused by wrong installation and, for this reason, they must be quickly controlled.



LAWS REFERENCE AND WARRANTY

Each Atena false ceiling is produced for internal use according to the technical rules for construction NTC 2008, and the specific regulations UNI EN 13964, 14195:2005.

Each Atena S.p.A. product has its own DOP (Declaration Of Performance) CE according to the European Law 305/2011.

False ceilings and claddings for internal and external use have to be dimensioned on environment features, to list some of the possible examples: earthquakes, wind, thermal expansion, place of installation, use destination of the building and project requests.

Independently by information, suggestions, advices and technical opinions exchanged between the parts, Atena S.p.A. will produce its products only according to the orders received and the technical drawings/projects attached, having no responsibility on what is not indicated in the order, in the technical drawings or in the project.

Atena S.p.A., as producer, is responsible for manufacturing defects. Complaints have to be presented according to the selling conditions. Materials used for Atena false ceilings have been produced just with this purpose, every other use is considered improper.