

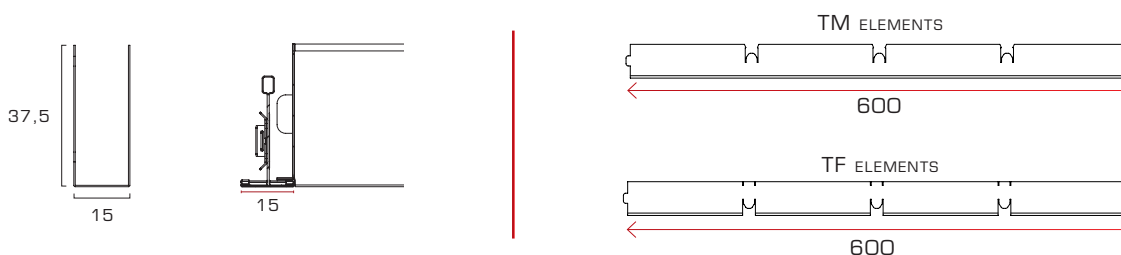
## Data Sheet

### BASE 15 OPEN CELL

#### DESCRIPTION

The **OPEN CELL BASE 15** with T15 visible structure has been conceived to create a linear and uniform false ceiling. The open cell section and the structure base have, infact, the same lenght. Moreover, as all Atena open cells, installation is easy and fast. Tiles are laid directly onto the structure and they can be quickly removed to check the interspace.

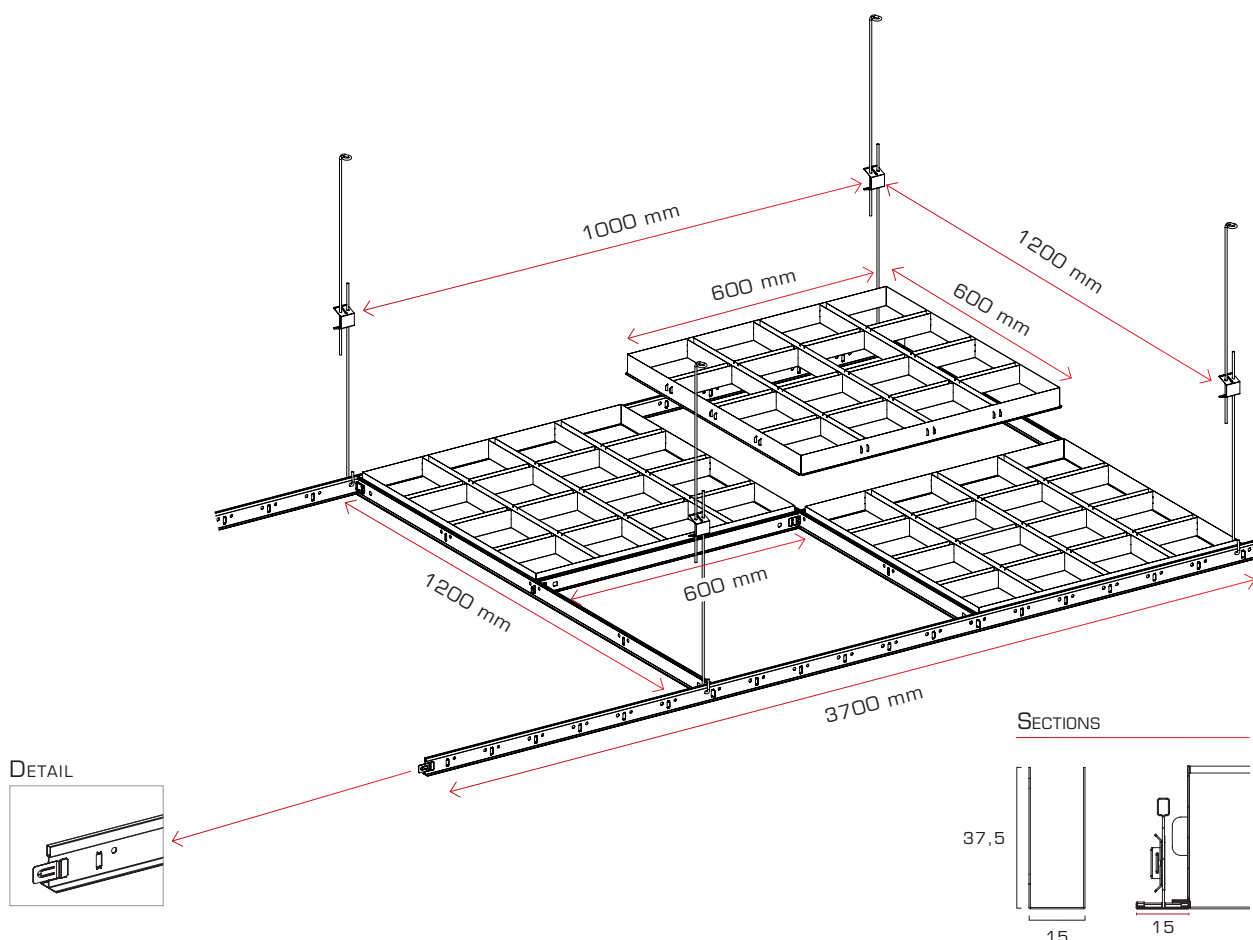
#### SECTIONS



#### TECHNICAL DETAILS:

		BASE 15 mm; h 37,5 mm							
DIMENSIONS	OPEN CELL TILES:		600x600   600x1200 mm						
	T15 MAIN PROFILES:		3700 mm						
	T15 CROSS PROFILES:		1200 mm						
	T15 CROSS PROFILES:		600 mm						
STRUCTURES		ATENA STEEL STRONG T15: Easy B15							
MESHES	50x50	60x60	75x75	86x86	100x100	120x120	150x150	200x200	
OPEN AREA	49 %	56,25 %	64 %	68,16 %	72,25 %	76,56 %	81 %	85,56 %	
MATERIALS		5/10 pre-painted aluminum							
COLOURS AND FINISHING		White or silver pre-painted aluminim Mirror finishing (AISI) on request Post-painting of all RAL color							
PERIMETER PROFILES		"C" 25x42x10 perimeter profile material and finishing as open cell							
HANGERS		Twister   Nonius   Standard with spring   90° hanger							
CERTIFICATIONS:									
FLEXION RESISTANCE		Maximum span mm 1200 - 1 Class							
DURABILITY OF PRE-PAINTED ITEMS		C Class							
RELEASE OF DANGEROUS SUBSTANCES		No release of any dangerous substance according to the European law EN 13964:2014.							
FIRE REACTION		A1 Class according to EN 13501-1.							

## SYSTEM AXONOMETRY



## MATERIAL INCIDENCES

MODEL	MESHERS	ELEMENT			lm/sqm*
		TM 600 mm	TF 600 mm	FRAME	
BASE 15	50x50	11	11	4	36,66
	60x60	9	9	4	30,00
	75x75	7	7	4	23,33
	86x86	6	6	4	20,00
	100x100	5	5	4	16,66
	120x120	4	4	4	13,33
	150x150	3	3	4	10,00
	200x200	2	2	4	6,66

\* VALUES DESCRIBE THE INCIDENCES OF TM AND TF, WITHOUT FRAME.

## WEIGHTS

MESHERS	BASE 15	STRUCTURE Easy T15
50x50	4,7	kg/sqm 0,96
60x60	3,9	
75x75	3,0	
86x86	2,6	
100x100	2,2	
120x120	1,8	
150x150	1,4	
200x200	1,0	

WEIGHTS REFERS TO AN OPEN CELL SQUARE METER.  
FOR MODEL WITH DETACHMENT PLEASE ADD RELATED WEIGHTS.

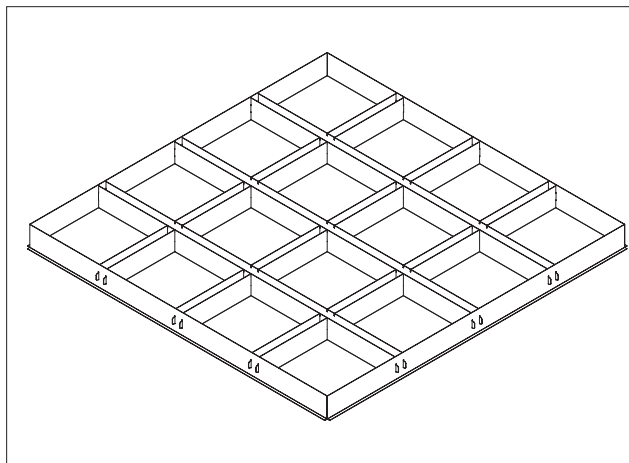
## PACKAGING

MODEL	ASSEMBLED TILES		NOT ASSEMBLED TILES					
	A	B	TM		TF		L	
			A	B	A	B	A	B
BASE 15	22	8	300	26	300	26	400	26

A = PIECES PER BOX    B = BOXES PER PALLET    L = BASE 15 TILES FRAME PIECES

## COSTRUZIONE DEI PANNELLI BASE 15

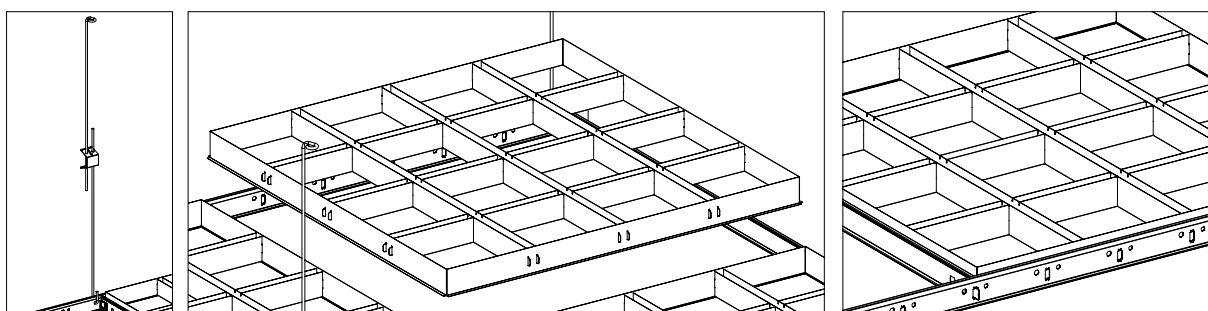
- Before the installation of the false ceiling, prepare BASE 15 open cell tiles using TM and TF elements provided.



## LAYING INSTRUCTIONS

- Proceed with the installation of structure:
  1. Draw the lines of the perimeter frame.
  2. Determine the height of the false ceiling with a level and mark it with a string.
  3. Install the wall angles with nails, screws and/or plugs suitable to the wall material.
  4. Fix the hangers according to the type of ceiling to be installed.
  5. Install the main runners with an interaxe of 1200 mm\*.
  6. Proceed with the installation of 1200 mm Cross T profiles into the main carrier.
  7. Install 600 mm Cross T into the 1200 mm Cross T profiles.
  8. Lay the assembled open cell tiles on the structure.

\*Verify the interaxe according to the load at m<sup>2</sup> and particular conditions.



## SPECIFICATIONS

False ceiling made of 5/10 pre-painted aluminum.

The bearing structure, made with Atena Steel Strong T15, forms a 600x600 and 600x1200 mm mesh on which the open cell tile will be laid.

The tile is made of TM and TF elements, with U-shaped section - h 37,5 and base 15, which intersect each other creating the desired mesh. The tile will be provided with a lateral closing holed element.

The bearing structure will be hanged to the concrete with hangers, 4 mm diameter, adjustable with a proper spring.

On the perimeter frame, a "C" 25x42x10 mm perimeter profile will be used, with the same material and color of the chosen open cell tile.

## 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.

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 laid on the T profile 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

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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.