

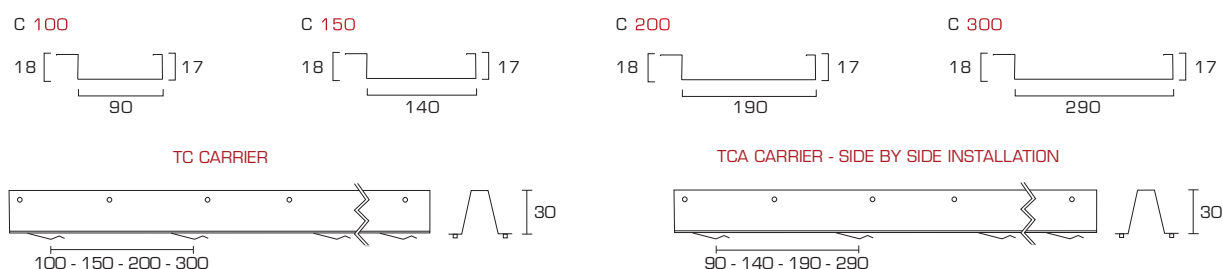
Data Sheet

ATENA C-CA STAVES

DESCRIPTION

C and staves are particularly suitable for public and working spaces. These staves have right edges and can be installed both with or without gap. They give the false ceiling a smart and linear line. A false ceiling made with perforated C staves can be integrated with acoustic material (acoustic pad fiberglass or rockwool) for the best acoustic performance.

SECTIONS



TECHNICAL DATA:

STAVE	GAP *	DIMENSIONS	ALUMINUM THICK.	STEEL THICK.	CARRIER		INCIDENCE LM/SQM			
					TIPOLOGY	MATERIAL	STAVES		CARRIER	
							C	CA **		
C100	10	L 90 - H 18	5/10 6/10	5/10	TC	TCA	STEEL 8/10	10	11,11	1
C150	10	L 140 - H 18	5/10 6/10	5/10	TC	TCA	STEEL 8/10	6,66	7,14	1
C200	10	L 190 - H 18	5/10 6/10	5/10	TC	TCA	STEEL 8/10	5	5,26	1
C300	10	L 290 - H 18	6/10	5/10	TC	TCA	STEEL 8/10	3,33	3,44	1

* Gap indicated when TC carrier, with TCA carrier no gap

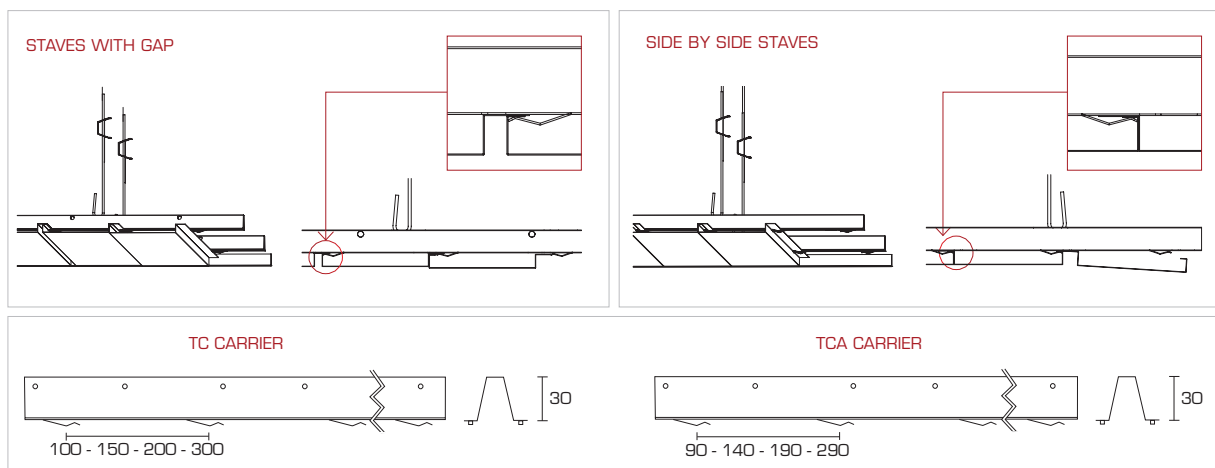
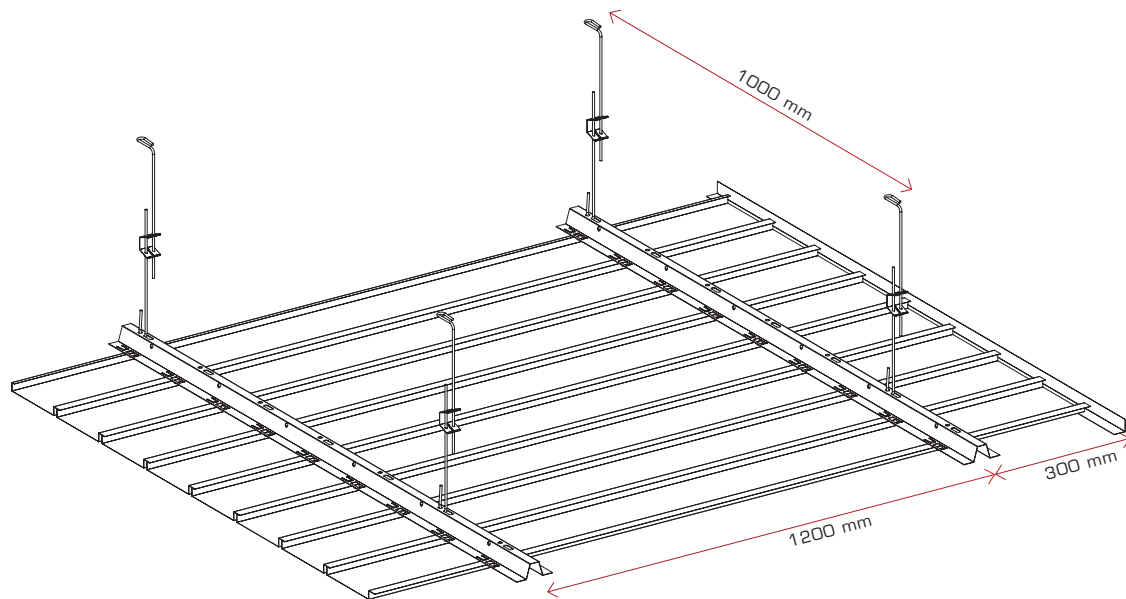
** In case of side by side setting up, the incidence can be slightly modified

STAVE MATERIAL	Pre-painted Aluminum and Steel Post-painted Steel
STRUCTURE	Atena TCA and TC carrier made up of galvanized steel.
COLOURS FINISHING PERFORATIONS	White - silver - AISI prepainting aluminum White - silver Prepainted steel Ral color postpainting Sublimation of any image and texture. Plain or perforated surface
PERIMETER PROFILE	"L" - Double "L" - "C" perimeter profiles According to the room dimensions
HANGERS	Standard with double spring

CERTIFICATES:

FLEXION RESISTANCE	Maximum bay max 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 EN13964:2014.
FIRE REACTION	According to EN13501-1: plain or perforated staves with Viledon Plus A1 Class with standard Viledon A2s1dO structure A1 Class

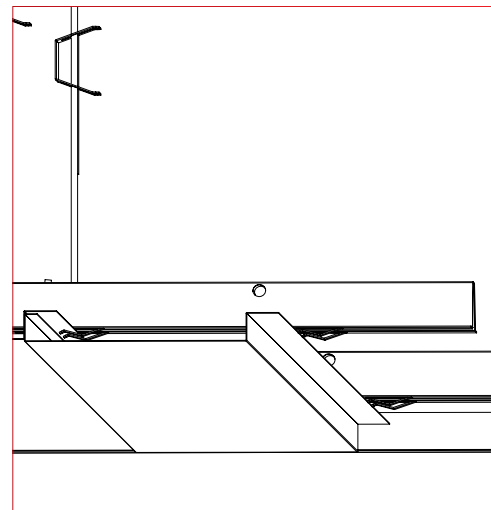
C-CA STAVES AXONOMETRY



LAYING INSTRUCTION

- Draw the lines of the perimeter frame.
- Determine the height of the ceiling with a level and mark it with a string.
- Install the wall angles, using nails, screws and / or plugs suitable to the wall material.
- Fix the hangers with an interaxe of 1000 mm* according to the type of ceiling to be installed.
- Hook on the carrier with an interaxe of 1200 mm* or according Atena technical department advice.
- Complete the installation of the system by locking staves on carrier.

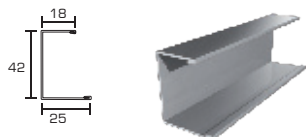
*Verify the interaxe according to the load at sqm.



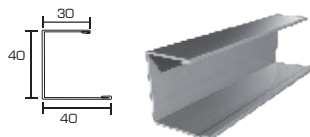
PERIMETER PROFILES

Atena S.p.A. offers a complete range of edge profiles, usually supplied with materials in the same finishing of staves. In addition to standard solutions, the perimeter closing of the ceiling can be also achieved adding to metallic materials both drywall foils properly shaped and lowered veils, without losing the original combination with metal surfaces, perforated, smooth or sublimated.

"C" PROFILE
18x42x25 L=4000mm



"C" PROFILE
30x40x40 L=3000mm



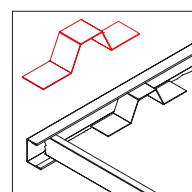
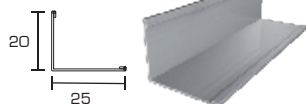
"C" PROFILE 18x33x25 L=4000mm



"L" PROFILE
25X25 L=3050mm



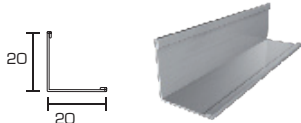
"L" PROFILE
20X25 L=3050mm



USE AN OMEGA SPRING
BETWEEN "C" 18x33x25
PERIMETER PROFILE AND THE
STAVE.

OMEGA SPRING

"L" PROFILE
20X20 L=3050mm



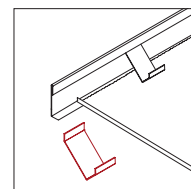
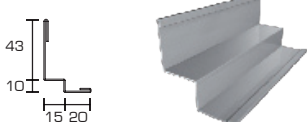
"Double L" PROFILE
25X8X15x15 L=3050 mm



"L" 55x20 PROFILE L=3000mm
FOR 300 mm STAVES



"Double L" Special PROFILE
43X10X15x20 L=4000 mm



USE A "V" SPRING
BETWEEN "L" 55x20
PERIMETER PROFILE AND THE
STAVE.

"V" SPRING

SPECIFICATION

Atena C-CA staves are made of 0.5 mm / 0.6 thick aluminum (alloy 3003) or 0.5 mm thick steel. Dimensions: 90, 140, 190, 290 mm width, length according to the project requirements.

Staves edges are properly shaped to be hooked on TC or TCA carrier made of 8/10 galvanized steel. Using TC carrier, staves will be installed with a closed shutter of 10 mm gap between them. TCA shutter, instead, is used to install staves side by side. Standard hangers Ø4, with adjustable double spring, will be used to suspend the system.

Perimeter profiles having "L", "double L" or "C" section are made with the same material and color of the staves.

Fiberglass pad or rock-wool sealed in polyethylene bags can be used for soundproofing.

WEIGHT SPECIFICATION

WEIGHT SPECIFICATION					
STAVE	MODEL	MATERIAL	THICK.	KG/ML	CODE * *
C-CA	C 100	ALUMINUM	5/10	0,206	DCC100L5GRS000
			6/10	0,248	DCC100L6GRS000
		STEEL	5/10	0,589	DCC100C5GRS000
	C 150	ALUMINUM	5/10	0,275	DCC150L5GRS000
			6/10	0,330	DCC150L6GRS000
		STEEL	5/10	0,785	DCC150C5GRS000
	C 200	ALUMINUM	5/10	0,344	DCC200L5GRS000
			6/10	0,412	DCC200L6GRS000
		STEEL	5/10	0,981	DCC200C5GRS000
	C 300	ALUMINUM	6/10	0,577	DCC300L6GRS000
		STEEL	5/10	1,373	DCC300C5GRS000

* ** THE GREY PART OF THE CODE CHANGES ACCORDING TO THE CHOSEN STAVE

TECHNICAL FEATURES

MATERIAL AND COLOR:

- Aluminum 5/10 White | Silver | Gloss
 - 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:

- TC CARRIER
- TCA CARRIER

STORAGE MODE

Materials supplied by Atena S.p.A. shall be maintained in good condition from purchase to installation. Materials 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. Staves are delivered on pallets secured with stripes and 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, staves can be repainted or replaced.

False ceilings maintenance usually refers to:

placing, alignment or replacement of damaged or broken staves. Staves 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 staves are properly hooked to the carriers and the planarity is guaranteed. Any difference in staves 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 EUROCODICE 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.