

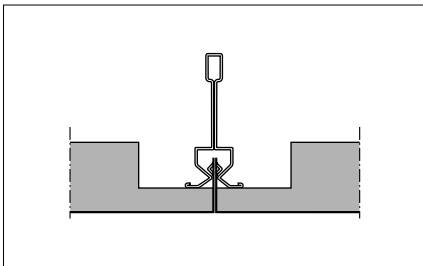
Clip-in and hook-on ceilings



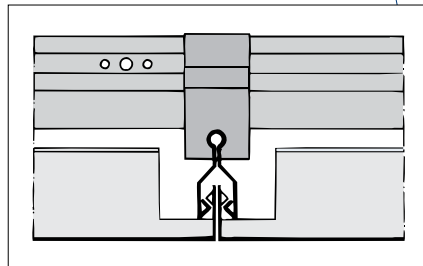
Concealed ceiling system.

Consists of two basic systems, hook-on and the clip-in, both can accommodate square tiles or rectangular panels. The hook-on system has been developed to support large ceiling panels in both length and width.

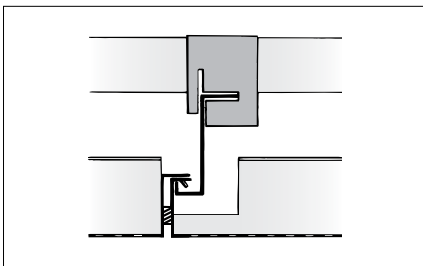
The clip-in system has a weight limitation and is restricted to panel sizes with a surface area of 1.0 m² or less. This system is easily accessible.



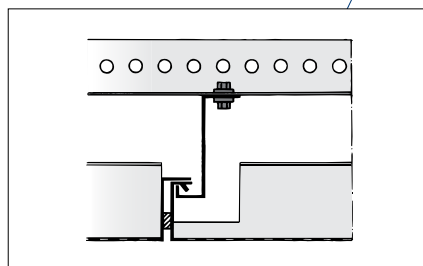
Clip-in system MA



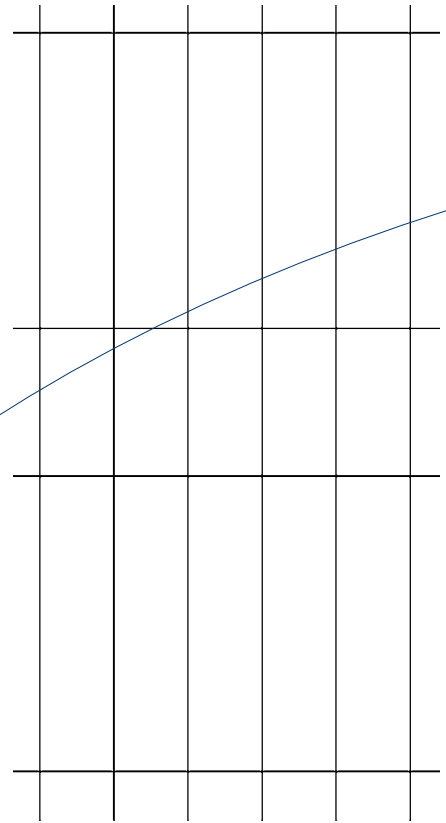
Clip-in system CC



Hook-on system MG



Hook-on system CZ



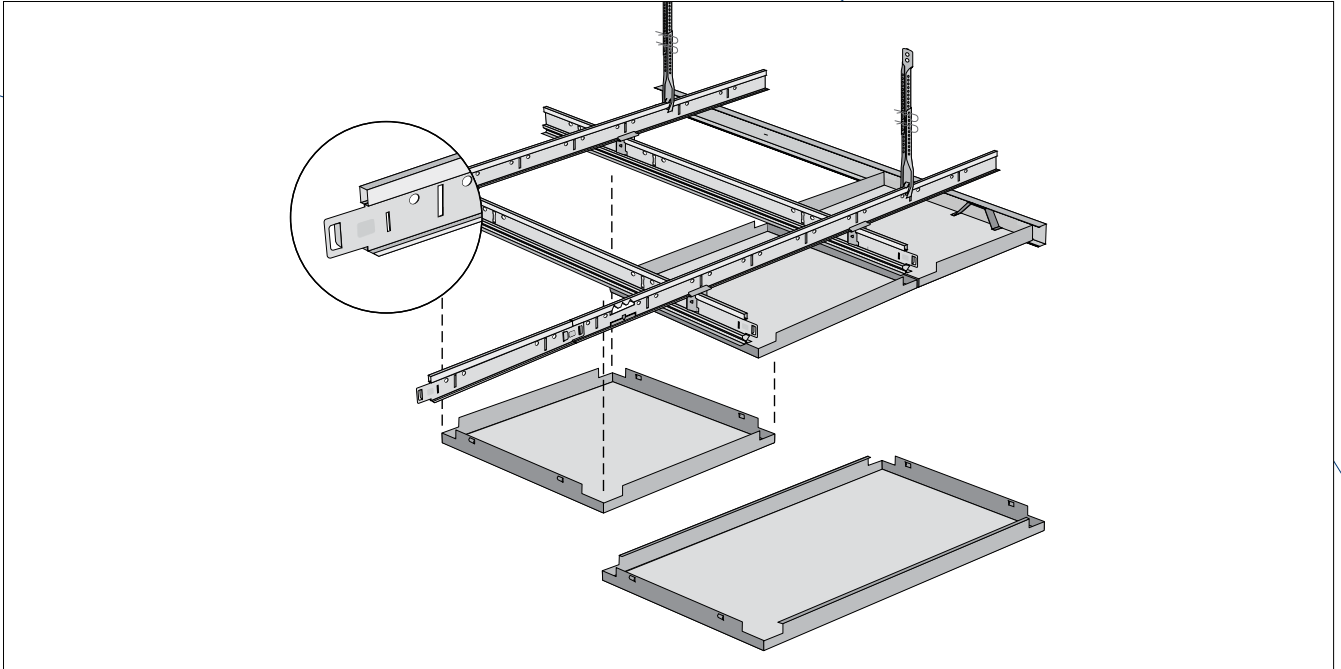
Clip-in and hook-on ceilings are also suitable for use in restricted void areas and with visible perimeter profiles when used as a ceiling island.



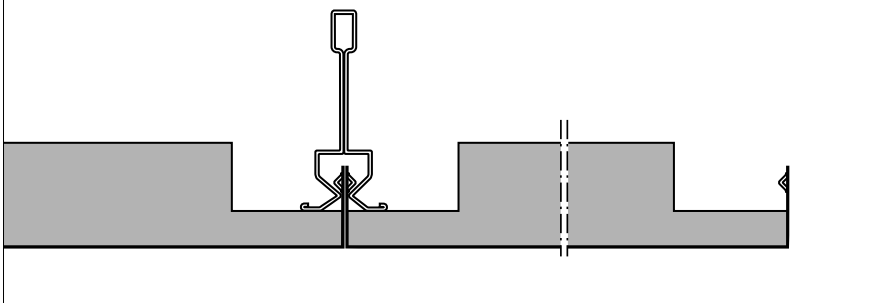
Removal of individual clip-in panels requires the use of a simple thin blade access tool which slides up into the joint and locks onto the top of the panel allowing it to be lowered and removed. Opening one or more individual swing panels provides simple and easy access to the plenum. They open from one side and hang vertically, supported by the two wings on the other side that remain firmly in the suspension grid.



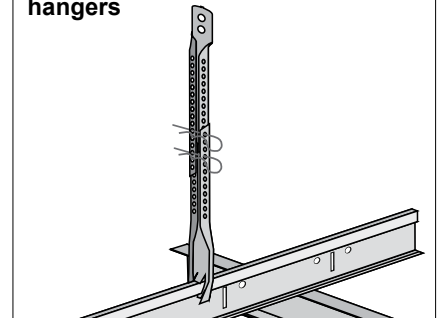
Clip-in system MA



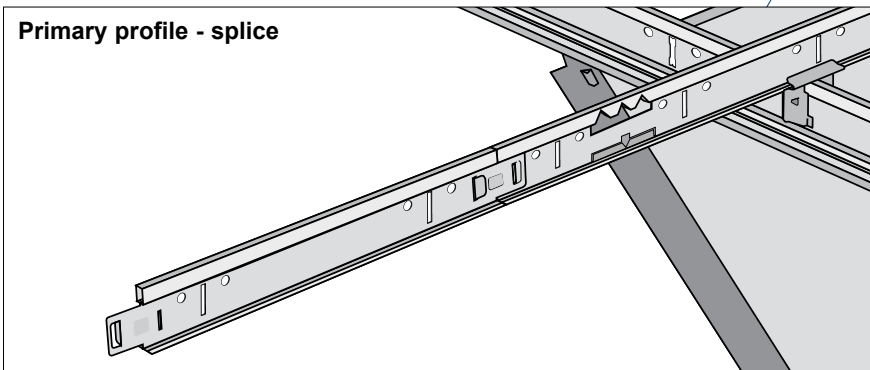
Clip-in suspension system MA



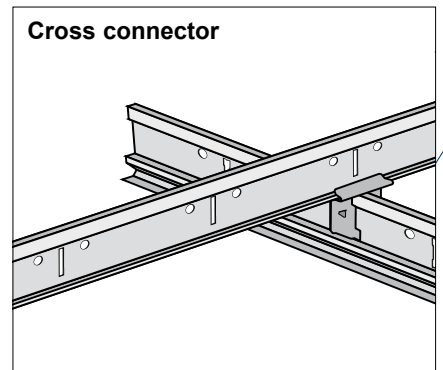
Upper and lower part nonius hangers



Primary profile - splice



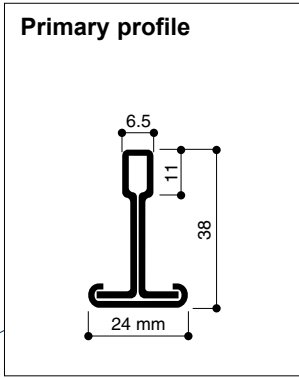
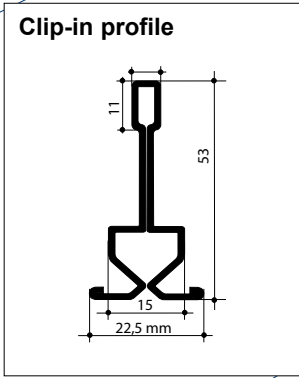
Cross connector



Details and components Clip-in system MA

Removal of individual clip-in panels requires the use of a simple thin blade access tool which slides up into the joint and locks onto the top of the panel allowing it to be lowered and removed.

Maximum panel dimensions and weights must not be exceeded. The suspension system consists of secondary clip-in profiles and primary profiles; together they guarantee a sturdy construction. Rigid nonius hangers (upper and lower part) best support the clip-in ceiling system.



Clip-in profile	Product		Dimensions			Per carton			Per pallet		
	Number	Length	Thick.	kg./pc.	pcs.	m/ft	kg/lbs	m ³	cartons	m ³	
			mm/ft	mm/”	lbs/pc.						
	Steel with hemmed edges										
	MA010D500H	3600	0.5	1.970	15	54.00	30.89	0.053	35	2.55	
	MA010E500H	3750	0.5	2.052	15	56.25	32.12	0.053	35	2.55	
MA010.500H	12'	.020”	4.411	15	180'	69.14	0.053	35	2.55		

Primary profile	Product		Dimensions			Per carton			Per pallet		
	Number	Length	Thick.	kg./stuk	stuks	m/ft	kg/lbs	m ³	cartons	m ³	
450 			mm/ft	mm/”	lbs/Stck						
	Steel with steel capping										
	-- 450 30 00	3600	0.4	1.280	25	90.00	33.26	0.039	50	2.41	
	-- 450 31 00	3750	0.4	1.333	25	93.75	34.56	0.039	50	2.41	
	-- 450 -- 00	12'	.015”	1.300	25	300'	33.74	0.039	50	2.41	

Cross connector	Product		Per carton		
	Number		stuks	kg	m ³
	MA021X500H		200	3.96	0.007
	2 pieces per set. 1 carton = 100 sets cross connectors				

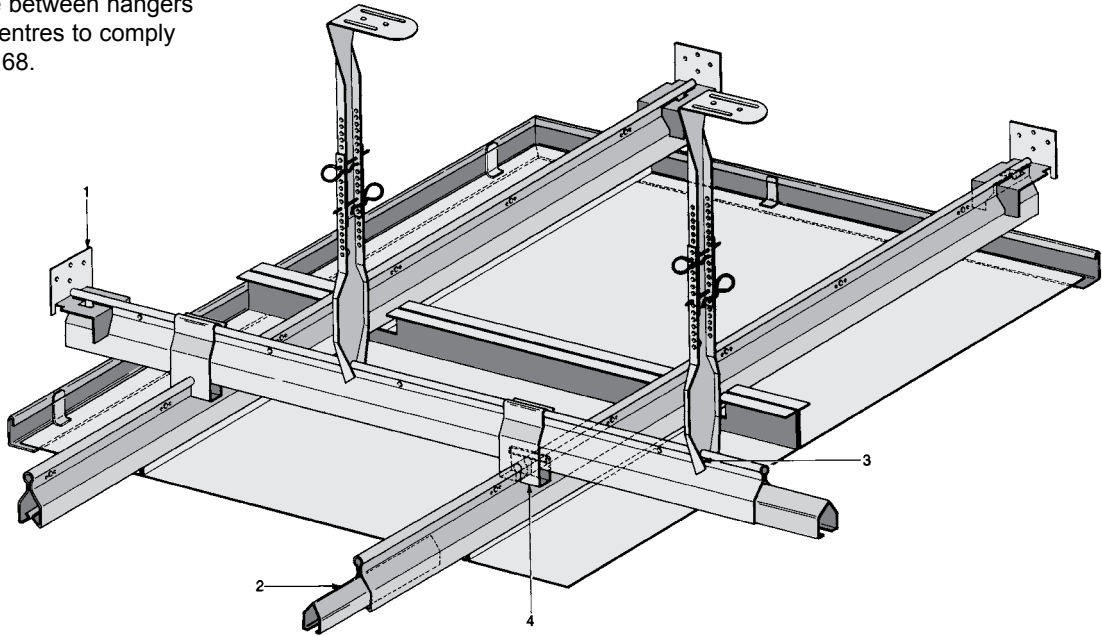
Access tool	Product		Per carton		
	AT925X5005		100		

Intersection clip
10228 200 pcs./carton
2 pieces per nonius hanger

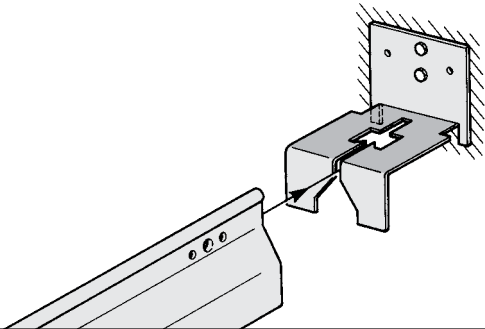
Upper and lower part nonius hangers	
Product	Product description
10230	Lower part H = 190 mm
	10200
	10210
	10230

Clip-in system CC

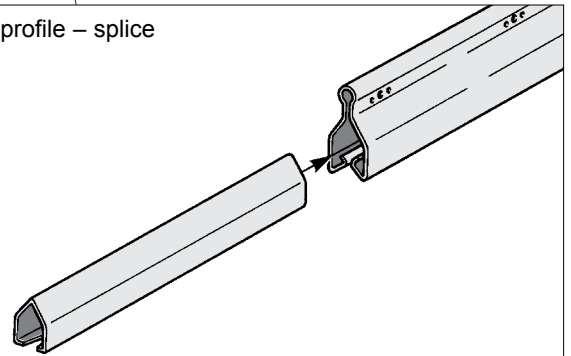
The distance between hangers and carrier centres to comply with DIN 18168.



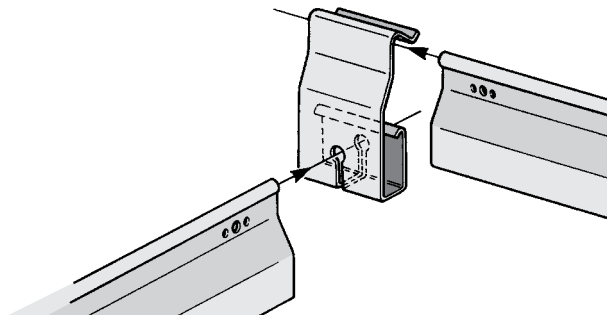
Clip-in profile – wall connection bracket



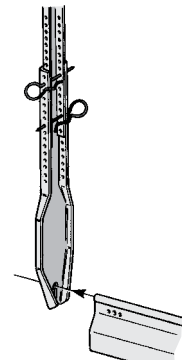
Clip-in profile – splice



Clip-in profile – cross connector



Nonius hanger (lower part)

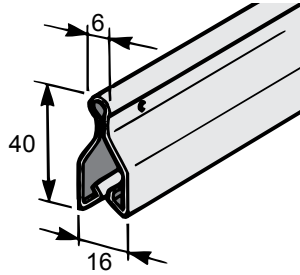


Details and components Clip-in system CC

The clip-in system CC can also be installed as a clip-in access or swing system. A simple access tool is used to open the ceiling. Maximum panel dimensions and weights must not be exceeded. The suspension system consists of secondary clip-in profiles and primary cross carriers; together they guarantee a sturdy construction. Rigid nonius hangers (upper and lower part) best support the clip-in ceiling system. The distance between hangers and carrier centres to comply with DIN 18168.

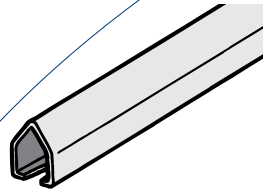
Clip-in profile

Material: galvanized steel
L = 4000 mm



Clip-in profile – splice

Material: galvanized steel



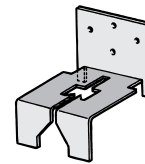
Clip-in profile – cross connector

Material: galvanized steel



Clip-in profile – wall connection bracket

Material: galvanized steel

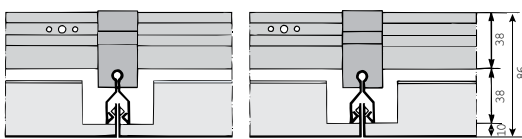


Nonius hanger lower part

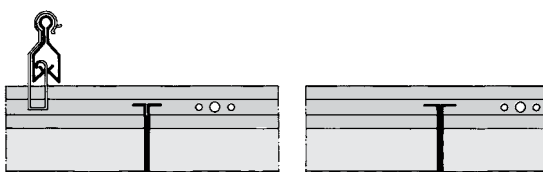
Material: galvanized steel



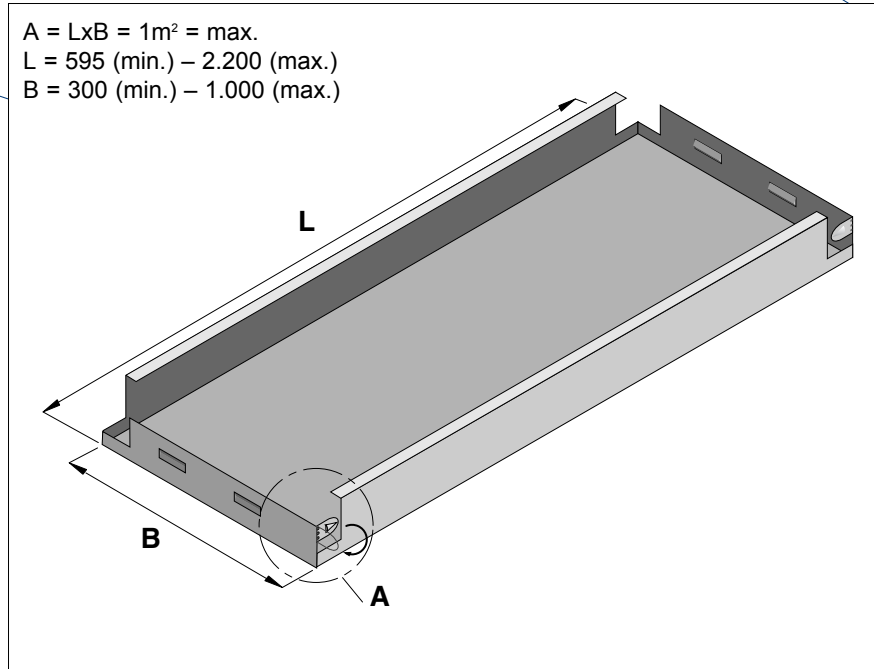
Clip-in profile



Primary suspension



Clip-in Swing system



Characteristics and advantages:

- Access panels where desired.
- Bandrastr ceiling possible.
- The best solution for the installation of chilled ceilings.
- Available perforated with acoustical fleece or plain.

Description:

- material thickness: 0,7 mm galvanized steel.
- panel width: from 300 to 1000 mm.
- panel length: from 595 to 2200 mm.
- panel surface area must not exceed 1 m².
- max. weight for lay-in: 7,0 kg/panel to maintain a safety factor of 3 to 1.

Finishing

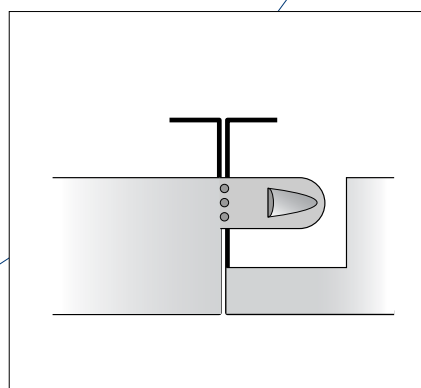
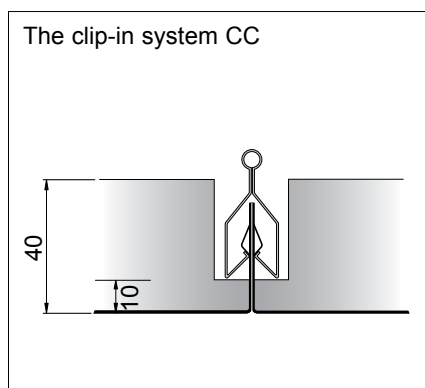
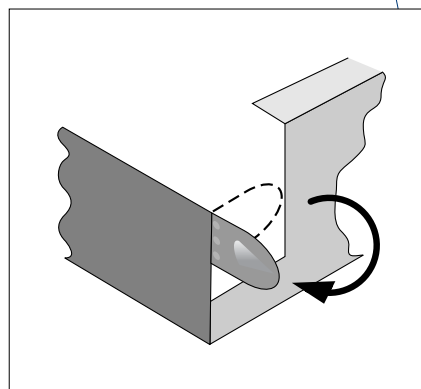
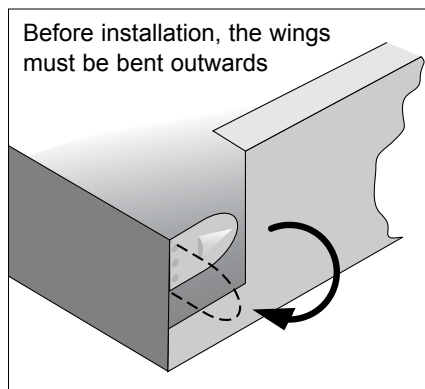
- Polyester powder coated in colours 9010, 001 or 9006.
- Other colours available upon request

Installation

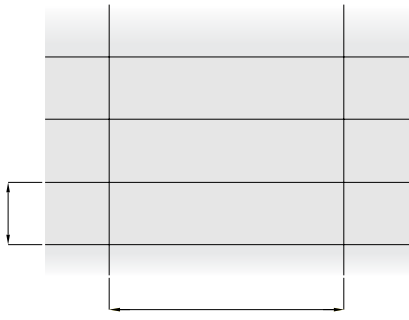
- Both wings must be bent outwards and parallel with the side of the panel. The swing access panel is located into the suspension system by pushing the wings into the clip-in profiles.
- The number of suspension points must comply with load bearing.

Accessibility

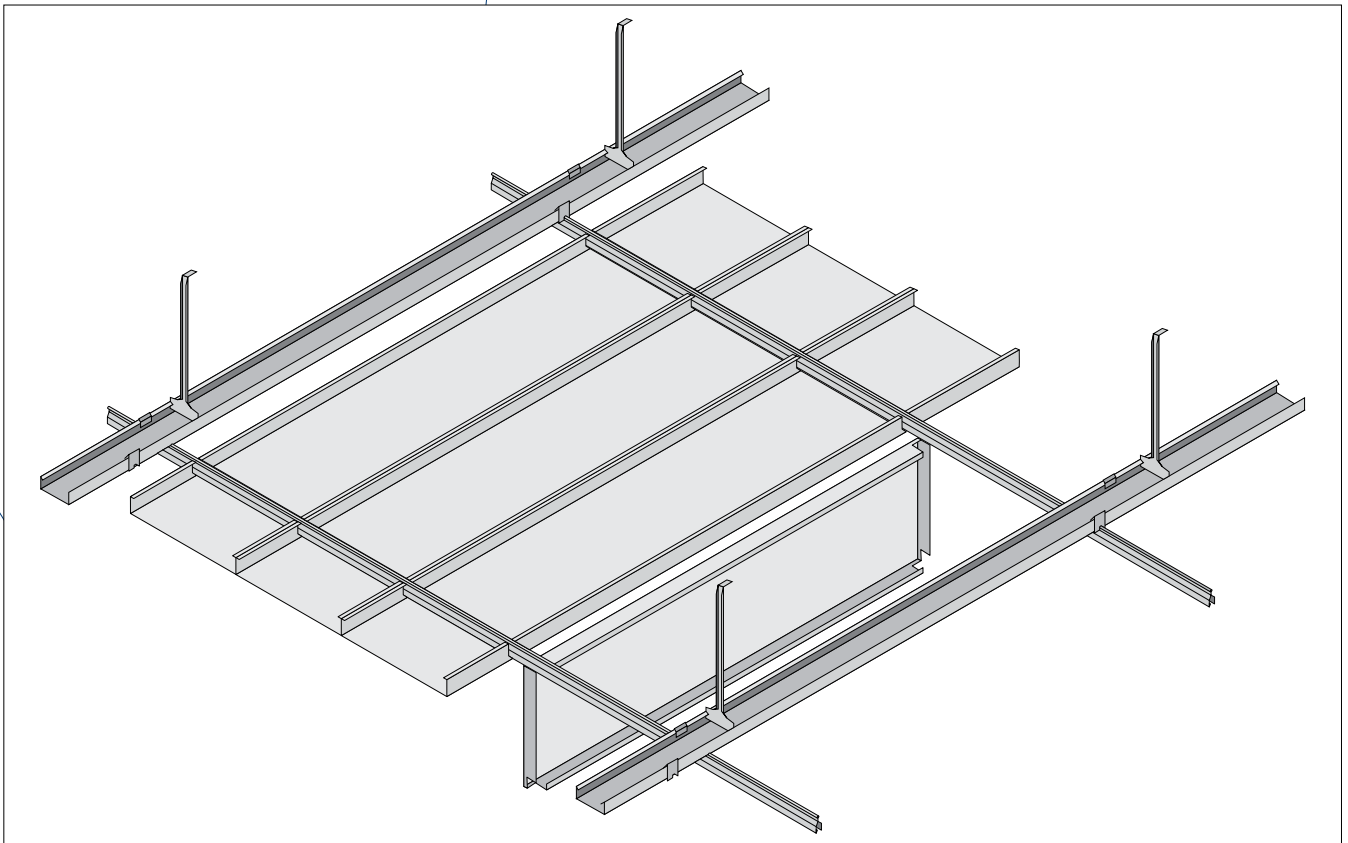
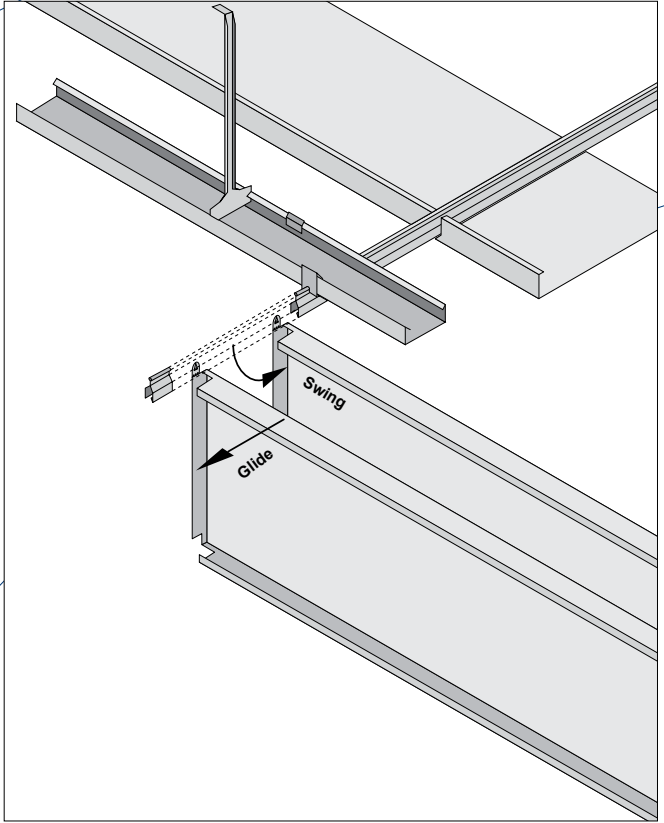
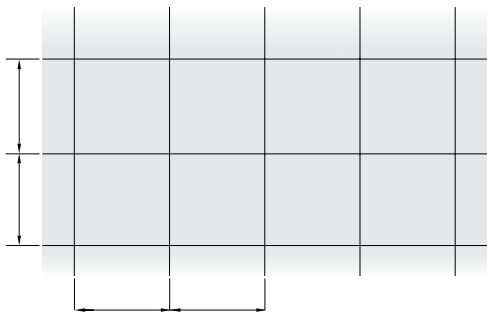
- All panels are easily accessible by means of an access tool or by simply pushing a hanger hook through the hole. To obtain a larger open workspace in the ceiling, the hanging panels can be glided to one side.



Rectangular panel ceiling construction.

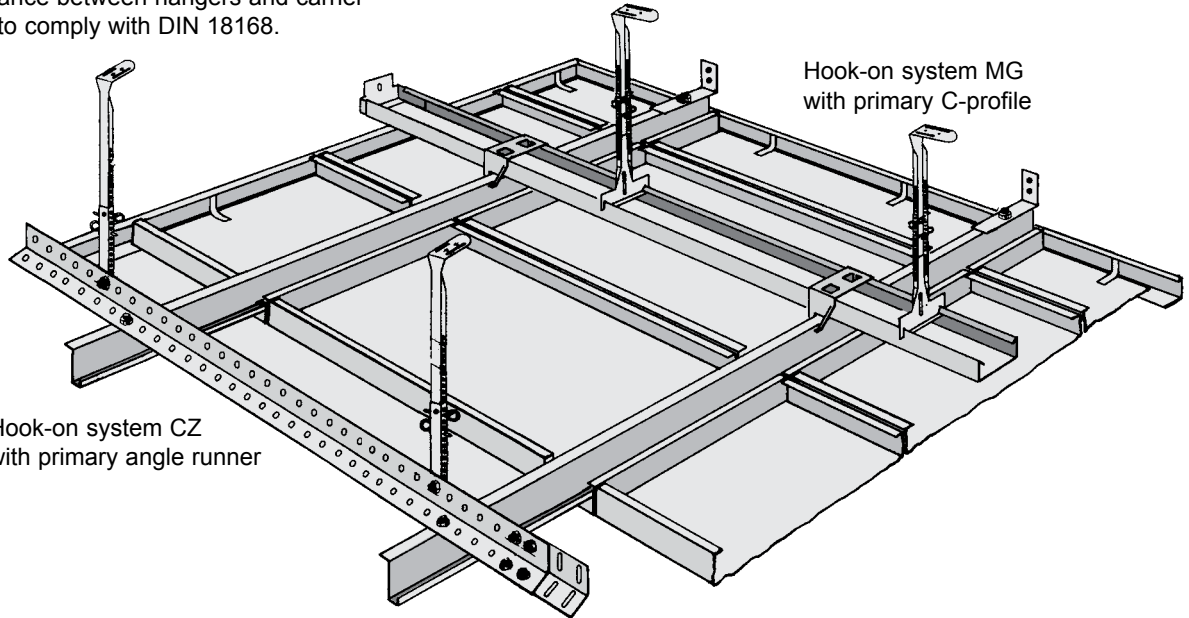


Square tile ceiling construction.



Hook-on system CZ / MG

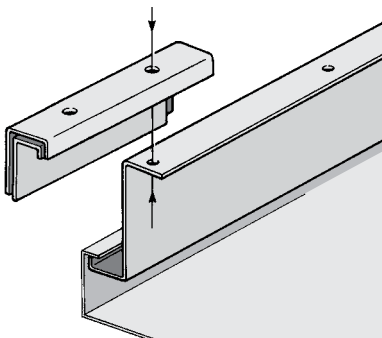
The distance between hangers and carrier centres to comply with DIN 18168.



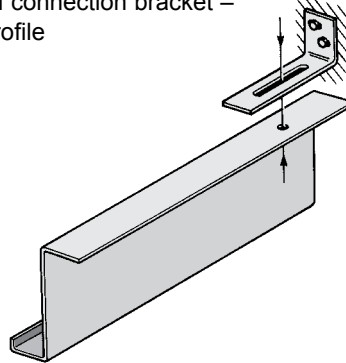
Hook-on system CZ
with primary angle runner

Hook-on system MG
with primary C-profile

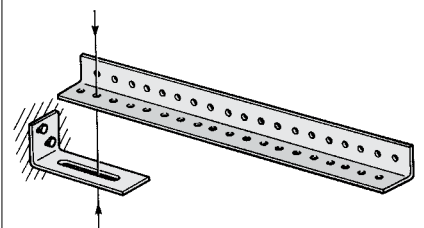
Splice - Z-profile



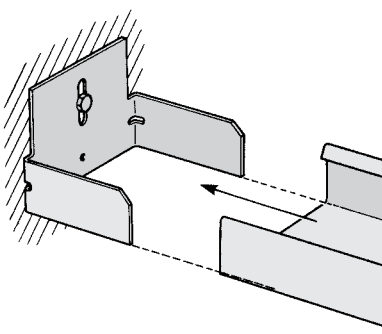
Wall connection bracket -
Z-profile



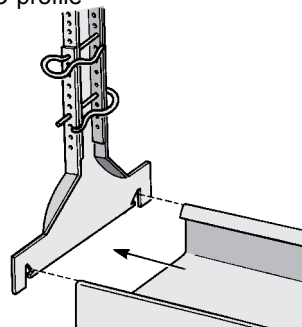
Wall connection bracket -
primary angle runner



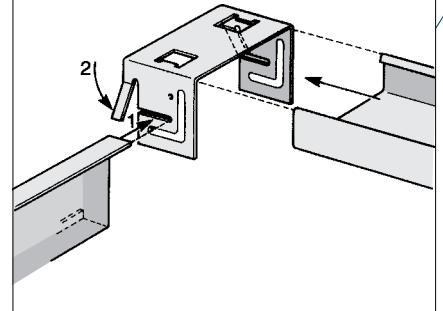
Wall anchor - primary C-profile



Nonius hanger (lower part) -
primary C-profile



Cross connector - primary C-profile /
secondary Z-profile



Component details for Hook-on system CZ and MG

Concealed hook-on systems can easily be combined with other suspension systems.

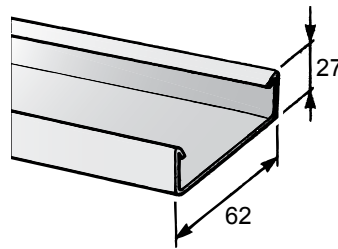
The suspension system consists of secondary Z-profiles and primary cross carriers (angle profiles CZ or C-profiles MG); together they guarantee a sturdy construction.

Rigid nonius hangers (upper and lower part) best support the hook-on ceiling system. The distance between hangers and carrier centres to comply with DIN 18168.

The ceiling panels can be installed without joints or with, using either neoprene gasket tape (3 mm) or spacer buttons (5 mm). Joints facilitate demounting. Chilled ceiling panels can also be made more accessible with the use of either hanger hooks or cables (See leaflets 4.1.5 and 4.1.6).

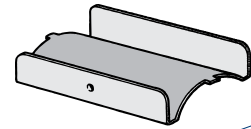
Primary C-profile (MG030G500H)

Material: 0.75 mm galvanized steel / L = 4000 mm



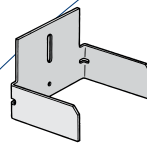
Splice for primary C-profile (MG031X500H)

Material: galvanized steel



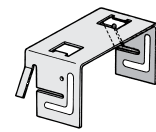
Wall anchor for primary C-profile (MG033X500H)

Material: galvanized steel



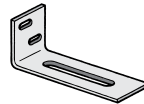
Cross connector for primary C-profile secondary Z-profile (MG032X500H)

Material: galvanized steel



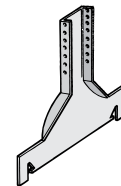
Wall connection bracket for Z-profile/primary angle profile (MG042X500H)

Material: galvanized steel

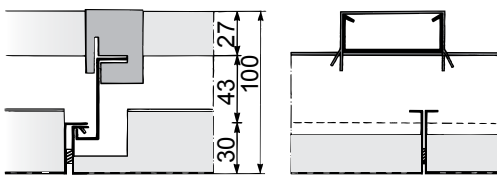


Nonius hanger (lower part) for primary C-profile (MG034X500H)

Material: galvanized steel

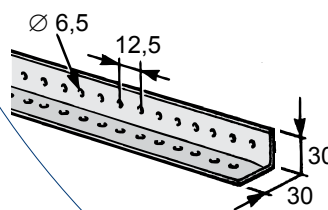


Cross section ceiling type MG with primary C-profile
Execution with or without joints



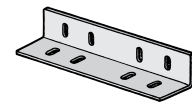
Primary angle runner

Material: galvanized steel
L = 4000 mm

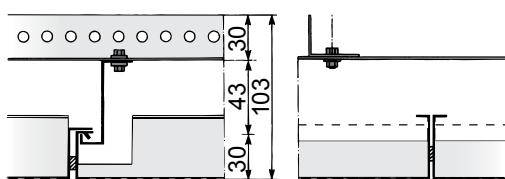


Splice for angle runner

Material: galvanized steel

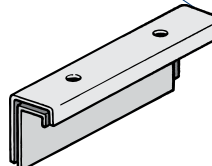


Cross section ceiling type CZ with primary angle runner



Splice for Z-profile (MG041X500H)

Material: galvanized steel



Z-profile (MG040G500H)

Material: galvanized steel

