

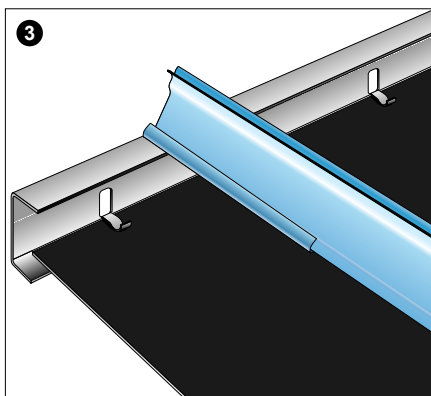
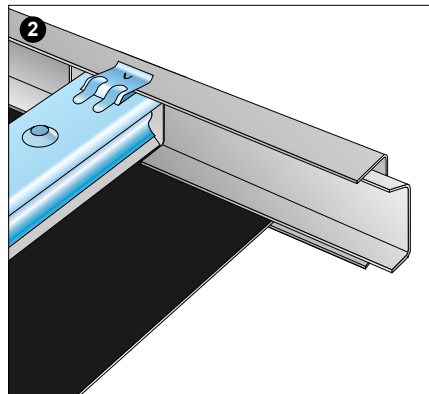
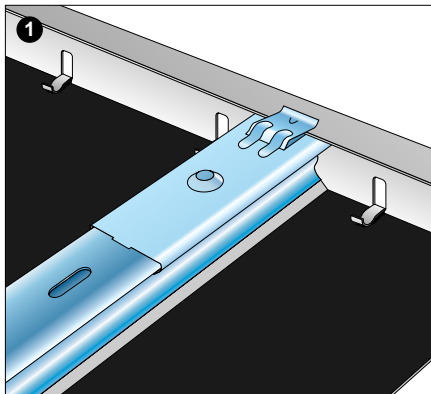
## Installation of DAMPA Clip-In Tile

The installation of DAMPA Clip-In Tiles, with or without bevelled edge, in a concealed suspension system creates a flat and uniform ceiling surface. The tiles are secured to the carriers – without the use of tools. If necessary, it is possible to remove and reinstate individual tiles by means of a simple dismantling tool. The suspension system is not related to specific modules and creative combinations are possible using different tile sizes.

### Installation

A primary grid system is recommended to maintain maximum rigidity of the ceiling construction. This will also minimise the number of hangers and provide for greater flexibility during installation.

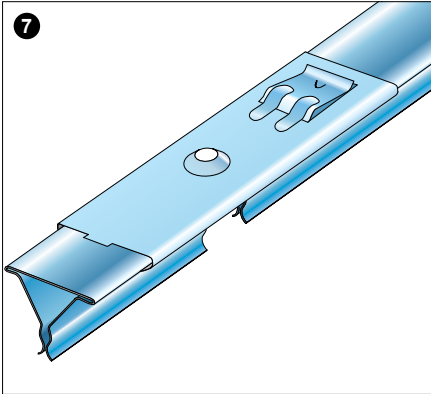
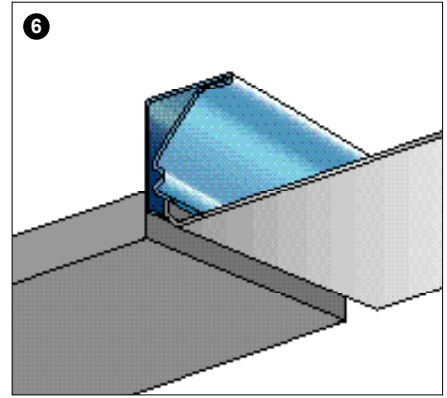
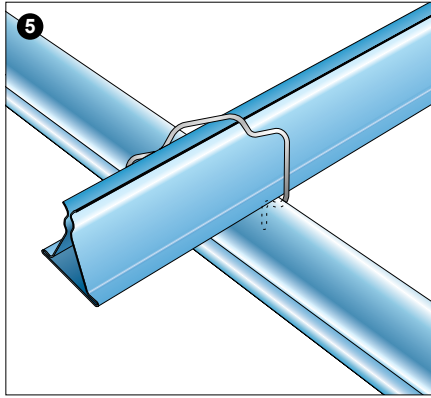
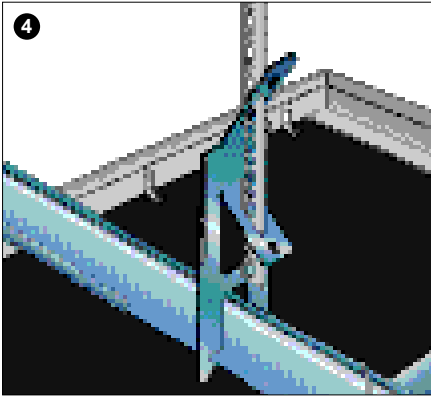
After installation of the edge trims, the primary grid upper carriers are installed and the lower carriers are secured to the upper ones using coupling clips. Perimeter cut tiles should be larger than half a tile.



- Edge Trim No. 11 is used to secure cut aluminium perimeter tiles. Carrier Splice No. 4 is secured to the top flange of the lower carrier. It also locates on the top flange of the edge trim to maintain the correct tile height.
- Cut steel perimeter tiles are supported using Edge Trim No. 36 and held in position with Wedge No. 4 as shown above. Alternatively, Shadow Gap Edge Trim No. 6 - held in position with Wedge No. 5 - can be used. Edge Trim No. 11 is used by direct installation.

It may be necessary to provide additional support in close proximity to other integrated components, e.g. lighting and ventilation, to avoid excessive ceiling deflection.

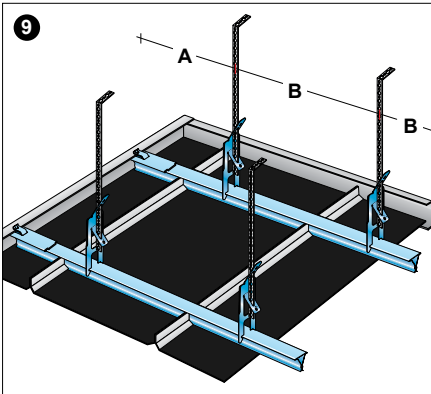
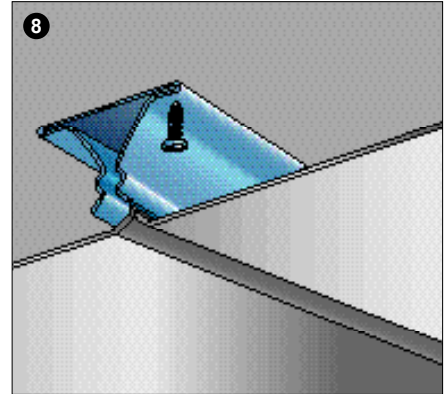
- Carrier Splice No. 4 is also used to maintain the correct height of the primary grid upper carriers.



**4** Adjustment Clip No. 4 can be secured to the primary or secondary carrier. The hanger is fastened to the soffit allowing a pull-out force of at least 2.5 times the hanger load.

**5** Coupling Clip No. 1 is used to connect the primary and secondary grid carriers.

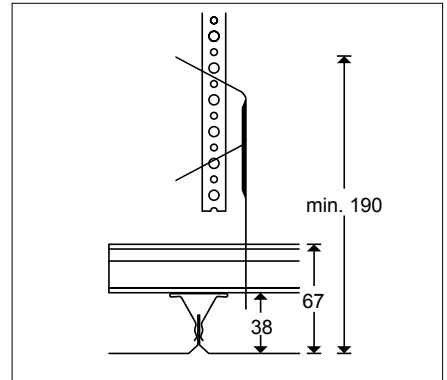
**6** Carrier No. 10 is used as a perimeter detail to support full tiles.



**7** Carrier Splice No. 4 is centrally positioned over the joints in the carriers. The hanger distance from the joints must not exceed 500 mm. A gap of 2-4 mm should be maintained to allow for expansion.

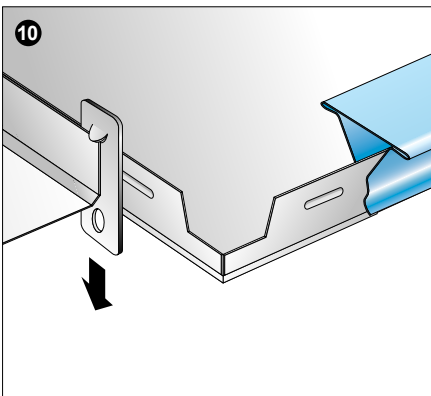
**8** By direct installation Carrier No. 4 is fastened on alternative sides with suitable screws directly to the soffit and thus only Edge Trim No. 11 can be used.

**9** The single system can also be used. It consists of parallel carriers. Each carrier is supported by hangers.



**Minimum Constructional Height**

The suspended DAMPA Clip-In Tiles have a minimum constructional height of 188 mm. The minimum constructional height of DAMPA Clip-In Tiles installed direct to the soffit is 38 mm.



**10** It is possible to remove and reinstate individual tiles anywhere in the ceiling. To remove, insert the dismantling tool up into the tile joint close to the corner and pull down gently.

Max. distance	Aluminium	Steel
A	1000 mm	900 mm
B	2000 mm	1800 mm

**Floating Ceiling Areas**

As perimeter solution Carrier No. 10 is used for full tiles, whereas Edge Trim No. 11 is used for cut tiles. In the primary grid system both upper and lower carriers are secured by means of screws or pop rivets to the edge solution. To secure stability the maximum distance from the edge solution to the upper carrier must not exceed 200 mm.

