

# BRACKET CLIP

## Assembly Instructions

### C-rail for bracket clip

1. Background Information



The **KDM plugs** can be used to fasten Datwyler 2870/2 SLD C-rails to concrete.

Tools: drill hammer, SDS 1 drill bit, SWM-SM or SWM-SM 50 setting tool

The **MMS-P 7.5/45 installation bolts** can be used to fasten Datwyler 2870/2 SLD C-rails to concrete, sand-lime bricks and solid bricks.

Tools: Drill with 6 mm concrete / masonry drill bit and power screwdriver with T-Drive "T40"

2. By Installation Type



Fastening points for SL2870/2 SLD C-rail.

The required number of fastening points also depends on the load to be fastened and the extraction force of the plug type.

A hole spacing of maximum 250 mm is required to maintain functional integrity.

No functional integrity cables may be fastened outside of the plug groups!

3. By Cable Type



Depending on the cable type, a fastener spacing of up to 1200 mm is required to maintain the functional integrity of the bracket clips.

4. Product Range



#### Using KDM plugs

By using drill bit SDS1, the hole for KDM plugs is drilled to an exact seat depth of 32 mm. To achieve this depth, drill the hole as far as it will go. (also refer to assembly instructions for KDM plug on page 99)

#### Using MMS-P 7.5/45 installation bolts

Hole diameter 6.0 mm. The minimum hole depth is 55 mm. (also refer to assembly instructions for MMS plug on page 101)

5. Assembly Instructions

**Blow out the drilled holes with compressed air to clean them.**

6. FAQ



### Using KDM plugs

The SWM-SM or SWM-SM 50\* setting tool is required for the installation. Insert the KDM plug through the rail into the drilled hole.

Do not remove the pre-assembled nut and washer!

Place the setting tool onto the SDS 1 drill bit.

Use the drill hammer to drive the plug deeper into the drilled hole and splay it apart.

(also refer to assembly instructions for KDM plug on page 99)

\* is also suitable for fastening Datwyler Hermann clip



### Using MMS-P 7.5/45 installation bolts

Screw in using T-drive "40".

(also refer to assembly instructions for MMS plug on page 101)



The cable system must be fitted with a permanent ID tag.



For horizontally fastened cables, the clips must be secured against slippage in case of fire (e.g. using a sliding nut).

#### DIN VDE 0100-520 522.6.:

Cable and line systems must be chosen and installed in such a manner to minimise any physical damage (such as impact, penetration or pressure) that occurs during installation, operation and maintenance.

#### DIN VDE 0276 - 604 5.5 Cable fasteners:

Reference value for clip spacing with non-armoured cables: 20 times the cable diameter. The spacing should not exceed 80 cm horizontally and 1.5 m vertically.