

Console series Fixing for façades Assembly

The wall panel of each console has two oblong slots for threaded bolts or M12 screws for fixing to the building by means of anchor rails or dowels.

- Anchor rails:

If at all possible it is advisable to use continuous anchor rails (metre-length material) instead of short pieces to facilitate fast assembly and easy adjustment. Hot-dip galvanised quality is adequate for curtain wall systems. The anchor rails must be available on site when formwork begins.

The advantage of anchor rails is that they can also be used in armoured reinforced concrete parts without damaging the concrete reinforcement steel.

Depending on the size of the anchor rail edge distances of the anchor rails to the concrete edge of 7.5 to 15 cm must be adhered to.

- Dowel:

Preliminary work by the concrete worker can be avoided if dowels are used. However, there is the danger of the concrete reinforcement of the reinforced concrete parts being drilled into.

The minimum edge distances of the supporting sub-construction from the middle of the dowel slot normally amount to 16 cm. This can exclude the use of dowels when affixing consoles to the front edge of narrow ceiling boards.

The distance between both fixing dowels on a console amounts to 18.4 cm.

The M10 x 55 screws in the leg plates are used to adjust the height of the mullion profiles on site. Subsequently the leg plates are locked using a ST 4.8 x 19 screw.

As far as the movable bearing long consoles are concerned, the M10 x 55 screws must be unscrewed upwards by at least 5 mm in order to allow dilatation of the mullion profiles.

As every console has two leg plates, the assembly of elements and mullion/transom constructions can also be put into execution.

In doing so the second leg plate is not pushed into the wall panel groove until the element joints or mullion and transom have been assembled.

