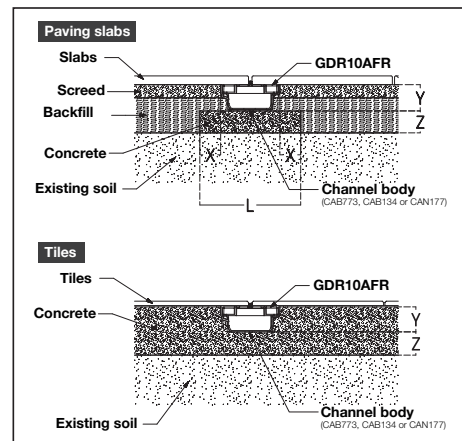




### 1 PREPARATION OF TRENCH AND INSTALLATION BED

Ensure that the trench in which the channel and concrete bed is to be installed is sufficiently deep (see diagram + table).

The concrete bed should be constructed using C25/30 grade concrete for a load class of A15/L15.



Concrete grade	X	L	Z	Y	y
C25/30	≥ 50 mm	≥ 230 mm	≥ 50 mm	0 ≤ Y ≤ 120 mm	y ≤ 65 mm

### 2 INSTALLATION OF DRAINAGE CHANNEL BODIES



Position the parts of the drainage channel body (CAB773, CAB133A, CAB131A, CAN177) on the concrete bed. Ensure that the channel bodies are aligned and centred.



Assemble the channel bodies on the concrete bed by clipping the male end of one body into the female end of the next.

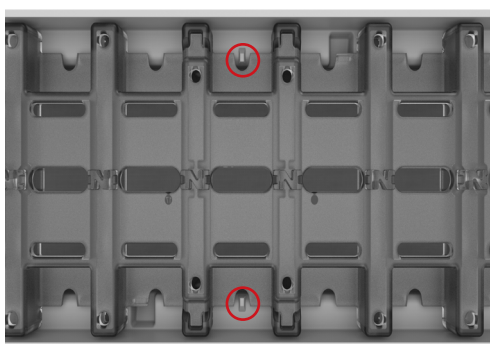


To maintain proper spacing and an expansion gap, when fixing the channel body, use a 129 mm wide spacer or install a grating with spacer to maintain the alignment.

### 3 INSTALLING THE GDR10AFR GRATINGS ON THE CHANNEL BODIES



Place the gratings into position on the channel bodies. Lay the grating with the front side up ("N" facing upwards), making sure to line up the guide tabs\*.



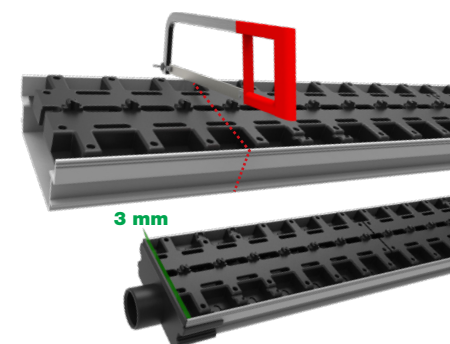
GUIDETABS ON THE CAB773/CAN177



GUIDETABS ON THE CAB133A/CAB131A

\* Ensure that the guide tabs on the grating are lined up with those on the channel body to maintain an expansion gap along the length between each grating. The gratings are not therefore flush.

**NB : IN CASES WHERE THE CHANNEL BODY IS CUT**



Where the channel body is cut, leave a minimum gap of 3 mm between the end of the grating and the inlet/outlet.





### 4 PAVING AROUND THE GRATING, LAYING THE PAVING SLABS OR TILES



Apply a strip of adhesive\* to the solid areas on the top side of the grating. While sufficient adhesive is required to fix the paving in place, make sure that the adhesive does not clog the central holes.



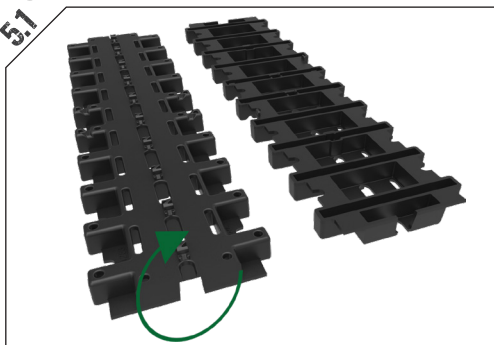
The section of paving straddling the concrete slab or screed is then fixed in place by conventional means with a mortar adhesive.



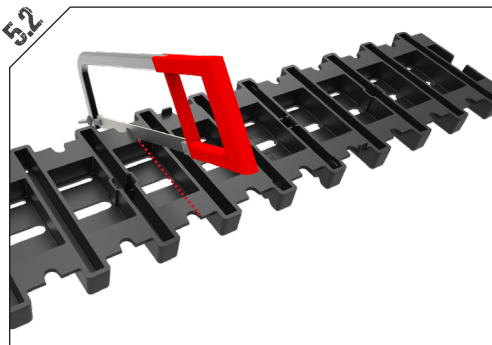
In this way, an 8 mm continuous straight slot is created along the entire length of the drainage channel thanks to the centre stop.

*\*The adhesives best suited for this purpose are type F (for building façade elements) or type PW (for footpaths), which include MS polymer and MS polyurethane adhesives.*

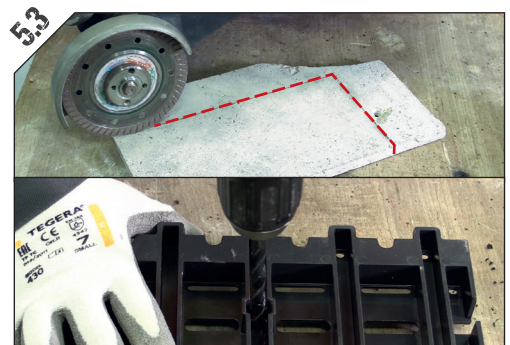
### 5 CREATING AN END SECTION MANHOLE



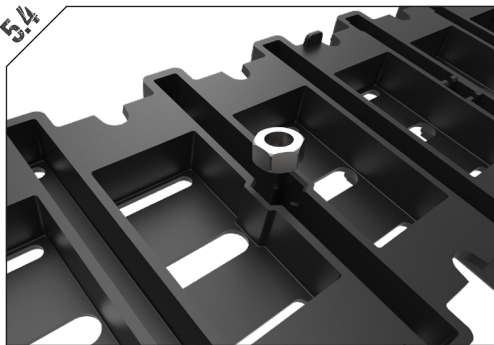
The GDR10AFR grating has a dual function thanks to its reversibility. When installed reverse side down ("N" stop facing downwards), a manhole can be created for maintenance and cleaning of the channel body.



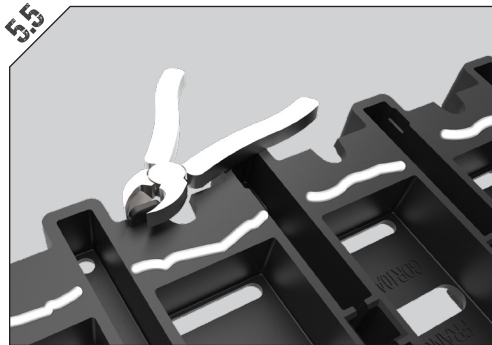
A manhole of either 25 cm or 50 cm in length can be created. Simply cut the grating in two as required. "N" stop facing downwards.



Place the grating on top of a paving stone or tile and trace its outline. Cut the paving stone/tile to size. Drill an M8 hole through the centre of the hex nut slot(s).



Insert stainless steel M8 nuts (not supplied) in the slots.



Break off the guide tab(s). Apply adhesive to the flat surfaces on the reverse side of the grating.



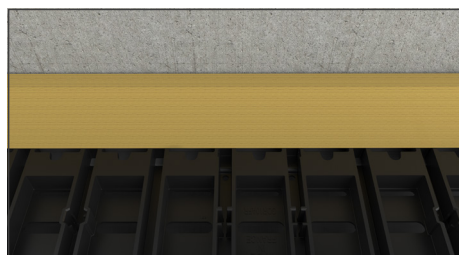
Fit the paving/tile in place by affixing it to the rear of the grating making sure that the holes are properly centred.

*It is recommended to create a manhole for each line of drainage channels (one every 15 metres), if there is a change in direction and level.*

### OFF-CENTRED SLOT

Where necessary, the GDR10AFR grating permits an off-centred slot to be created (on one side of the drainage channel). This can be done by installing, in step 3, the grating reverse side down ("N" towards the bottom). Break off the guide tab(s). See step 5-5. Apply adhesive to the backing components (slab and grating). See steps 4 and 5.

Affix the paving/tile to the grating, using a spacer to maintain a continuous gap along the side of the drainage channel.



**NB:** Information on installing the drainage channel bodies (CAB133A, CAB131A, CAB773 and CAN177) and their accessories can be found in their respective installation instructions.