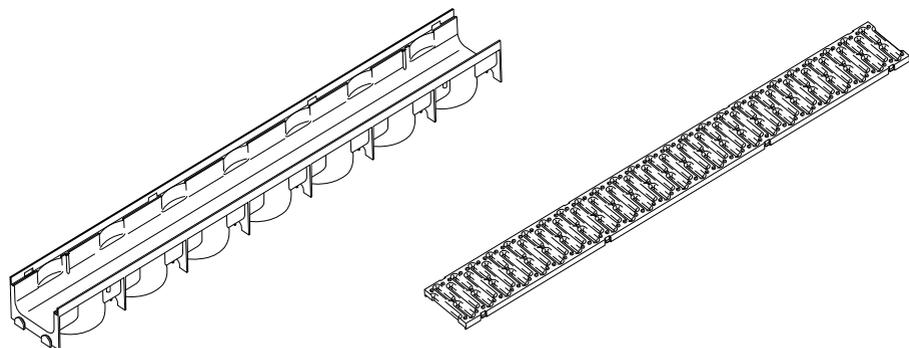
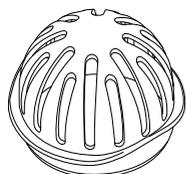


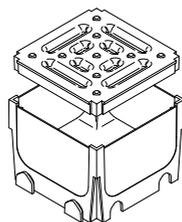
The Complete System



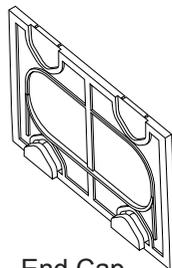
1m Linear Drainage Channel and Grate
(Code: GPD-1000)
Grate available in black or silver



Leaf Trap



Junction unit
(Code: GPD-JU)
Grate available in black or silver



End Cap

Accessory Pack: 2 x End Cap and 1 x Leaf Trap (code: GPD-AP)

Other products from the Manthorpe Range include Cavity Trays, Cavity Closer, Loft Doors, Roof Ventilation, Through Wall Ventilation, Joist Seals and Dry Roofing Products.



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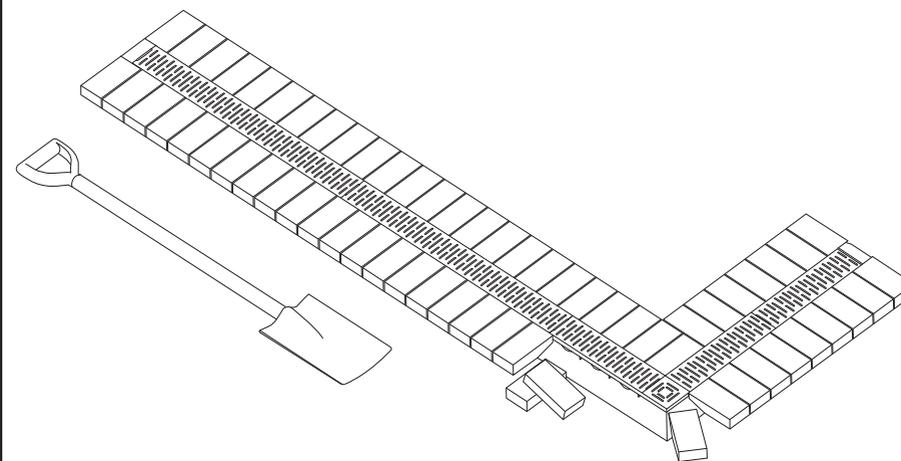
W: <http://www.manthorpe.co.uk>

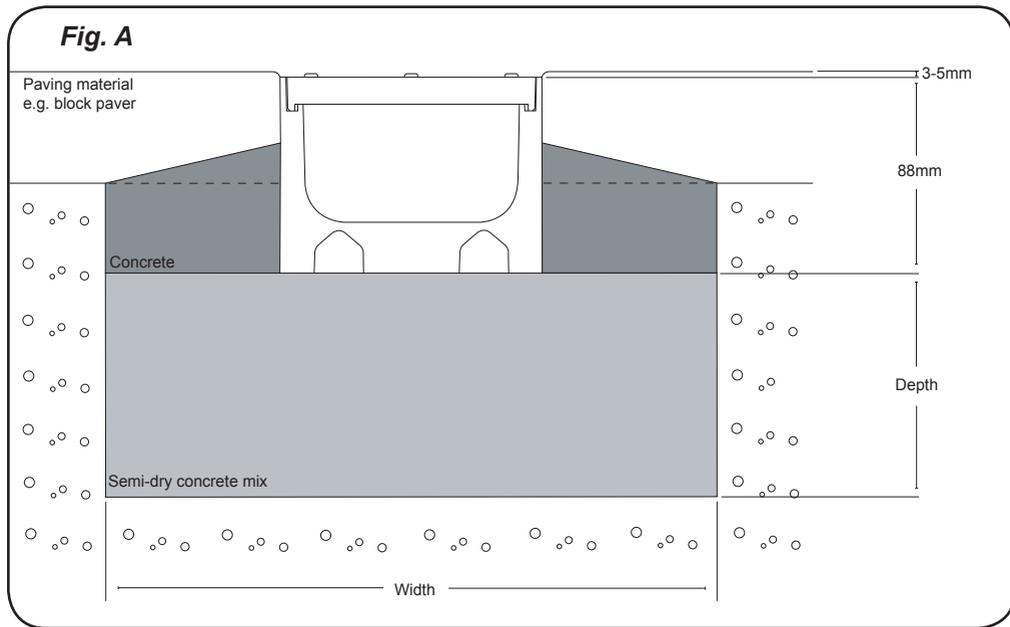


SmartDrain

Fixing Instructions

MBP 8240c





Important: The top of the channel should lay 3-5mm below the top level of the paving material.

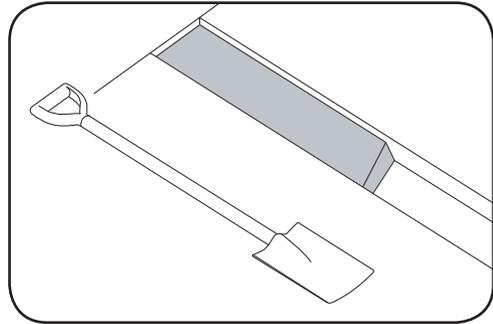
Take time before carrying out installation to correctly calculate the trench width and depth as there are many variables which affect these dimensions.

Before surrounding the channel in concrete, clip the grate into position to ensure an even and substantial fit.

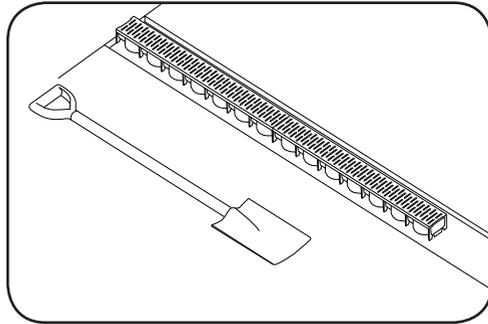
The concrete used should be to the strength of a C25 mix.

Fig. B	Light vehicular traffic	Pedestrian traffic
Depth	100mm	50mm
Width	275mm	250mm

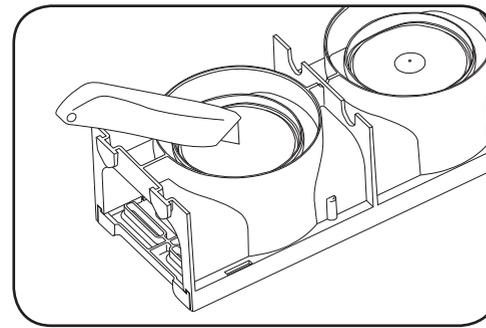
Installation



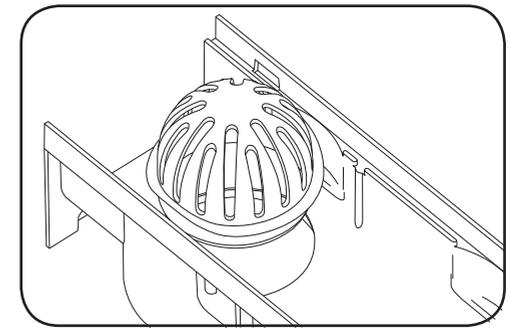
1. Dig a trench which is sufficient in length, depth and width for the required application. Use fig. A and fig. B to help with calculations. Pour a layer of semi-dry concrete in the bottom of the trench, again using fig. B as a guide.



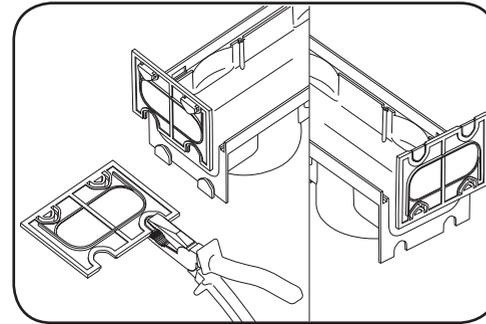
2. Starting at the outlet, lay the channel out along its proposed route. Spread the wetter concrete mix over the semi-dry mix and press the channel into the mix, ensuring the concrete fills the cavities in the bottom of the channel.



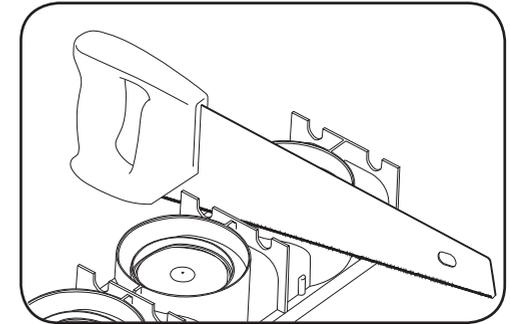
3. Remove the appropriate exit point using either a heavy duty craft knife or 80mm hole saw.



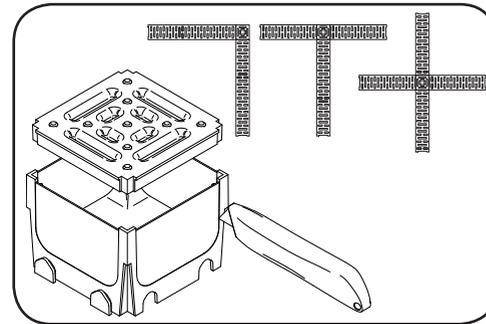
4. Simply insert the Leaf Trap into the hole which has been created, ensuring that it is the correct way round.



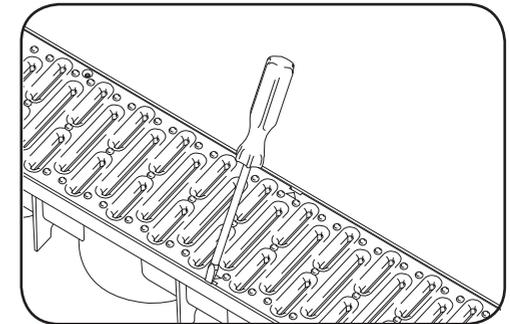
5. The End Cap can be fitted to either the male or female end of the channel. To fit it to the male end, first remove the thinned tabs using either a pair of pliers or heavy duty craft knife.



6. The 1m lengths of channel can easily be sawn down at several points along their length. There are saw points located on the underside of the product, next to the vertical ribs. By using these points, the interlock feature can be maintained.



7. To create a junction, use a Manthorpe Junction Unit. Simply remove the correct blanked off sides with a craft knife to create either a 90° corner, T-junction or 4-way junction.



8. To remove the grate, use a flat blade screwdriver at the clip points to ease the clips open. The grate can be further secured using 4 3.5 x 30mm self tapping screws.