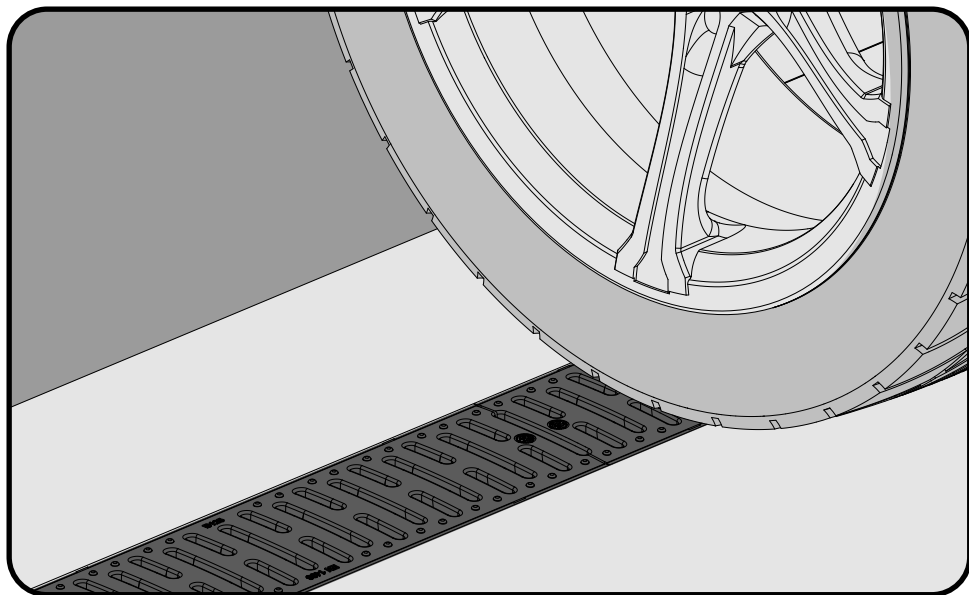


# Manthorpe

## GDD-B125 Drive Drain B125

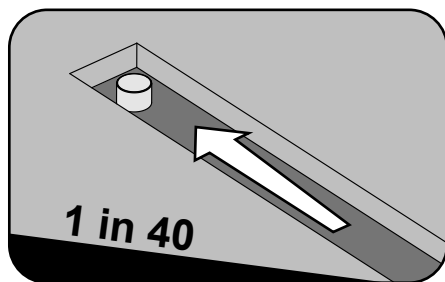
### Linear Drainage Channel Fitting Guide

MBP\_GU\_1391\_01

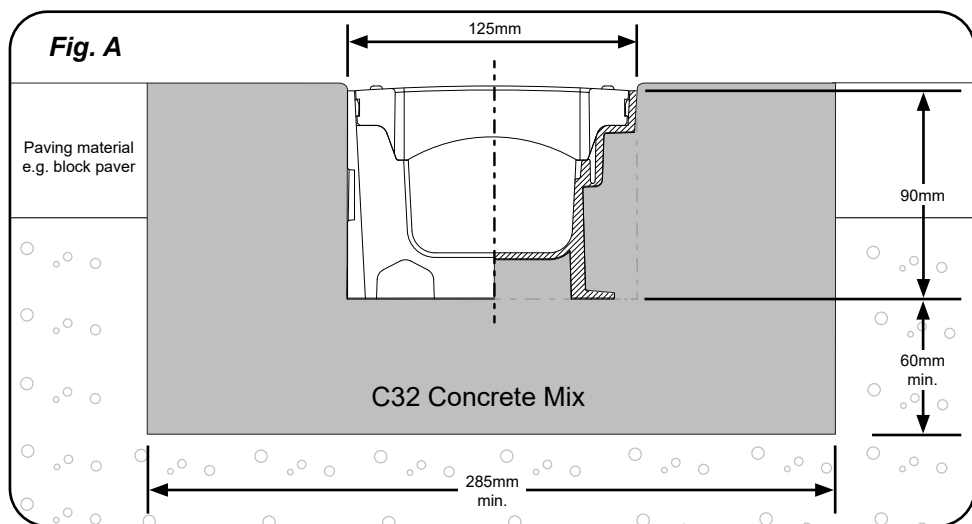
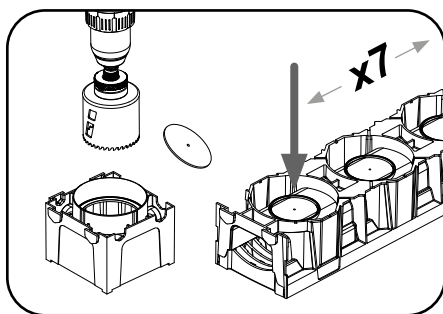


## Preparation

1. With the appropriate pipework for the onward flow of the system installed, dig a trench to the sizes detailed in Fig. A for the required run length. When digging the trench, it is necessary that the correct fall is integrated into the run. A fall of 1 in 40 (25mm in 1m) will guide the water to the outlet at a sufficient rate to avoid the pooling of water and collection of debris.

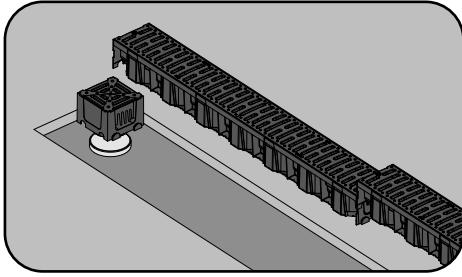


2. Discharge from the units can be achieved via the seven 110mm pipe connections on the base of the channel. To access the required outlet point, cut out with a 60mm hole saw prior to the installation of the channel. A 110mm outlet point can also be made from the Junction Unit with a 80mm hole saw. A horizontal outlet is available via the 40mm pipe connection on the End Cap.



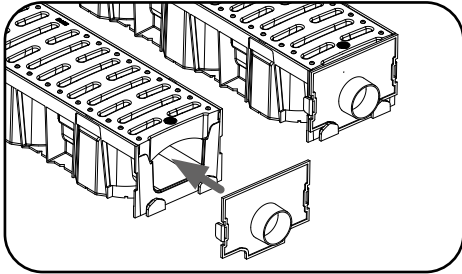
The Drive Drain B125 is a **Type M** channel as defined by EN 1433 and requires the additional support of concrete and the surrounding structure to withstand the vertical and horizontal loads in use. To achieve the B125 rating, the channel should be installed with this supporting structure in place along its entire length.

# Installation

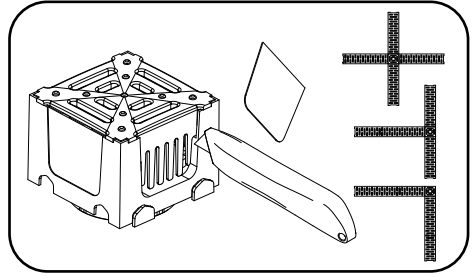
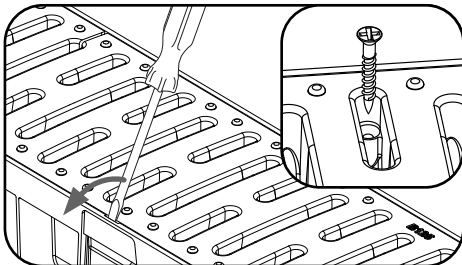


- 3.** Align the chosen exit point with the drain outlet and slot into place.

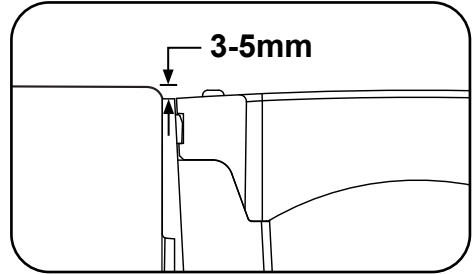
Sequential units can be linked using the jointing clips on the ends. Seams between channels should be sealed with a suitable silicone or polybutene external sealant.



- 5.** End Caps can be fitted to both the male or female end of the channel. The units slot over the jointing clips where necessary and clip into the end face of the channel. Seal with a suitable silicone or polybutene external sealant.



- 4.** The Junction Unit can allow for 90° corner turns, T-junctions or 4-way connections. Trim out the required blanked off sides with a knife to create the desired intersection. Channels can easily be sawn down at several points along their length creating shorter lengths or 45° mitres joins as required.

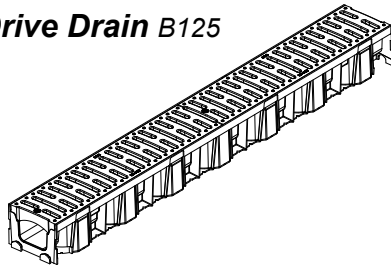


- 6.** Once installed the top of the channel should sit 3-5mm below the proposed finished ground level. Ensure the grates have been replaced before the supporting concrete is added around the side walls of the channel.

- 7.** To remove the grate, use a flat blade screwdriver at sequential clip points to ease the grate upward and disengage it along its length. Each grate can also be further secured by using four screws (4 x 30mm stainless steel) placed into the recessed fixing locations within the upper grating slots.

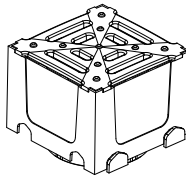
# The Complete Range

## Drive Drain B125



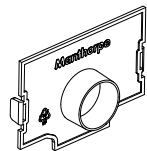
**Drainage Channel and Grate**

(Code: GDD-B125)



**Junction Unit**

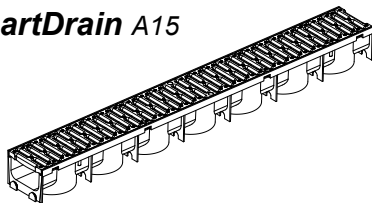
(Code: GDD-B125-JU)



**End Cap**

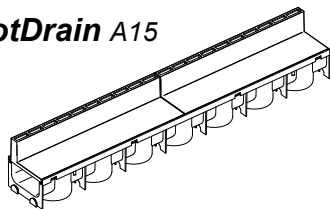
(Code: GDD-B125-EC)

## SmartDrain A15



Code: GPD-1000

## SlotDrain A15



Code: GPDST-1000



BS EN 1433:2002

25

Drainage channel **Type M** for the collection and conveyance of surface water from areas which can only be used on footways, pedestrian areas, private car parks and car parking decks.

<b>Strength Class:</b>	<b>B 125</b> in accordance with the manufacturer's installation instructions.
<b>Channel Material:</b>	Recycled Polypropylene
<b>Grating Material:</b>	Recycled Polypropylene
<b>Dimensions:</b>	(L) 1,000mm (W) 125mm (H) 92mm
<b>Weathering Resistance:</b>	NPD
<b>Load Testing:</b>	UKCA: BSI Test No. 30432909

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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