

UK_DS_Smart Box



SMART BOX



Product Description

The Smart Box is an underground mini chamber for housing microducts and splice closures. It's normally located at the boundary of the customer's property during FTTH installations and is used as an overlength storage and as a marker for 'Homes Passed' where the customer does not require an immediate FTTH connection.

The box offers the optimal storage solution during installation to lead microducts from the main route to the property - when the homeowner does not want fibre access straight away. It enables a subsequent fibre connection without any further impairment of the public road. The removable lid with a keyed mechanical opening mechanism gives full access to the box after being buried.

This solution reduces the time necessary to direct fibre to the home as the microduct is already present to be directed to the home. Depending on the dimensions of the microduct, an excess length can be stored or the microduct can be inserted without excess length as well (always sealed with an end cap).

A connection at a later point in time is easily possible from the Smart Box, if necessary, and can even be carried out by the resident himself.

In addition, the Smart Box can be used to blow fibre cables/pre-connectorised cables into the microduct and complete the blowing process for the entire microduct bundle on Day 1.

The cable can be blown into the microduct up to the Smart box and stored in a watertight splice box, ready for a future spliced drop cable. The splice box can then also always be accessed in the event of repair without needing access to the house.

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Design Features

- ⊗ Used as a demarcation point to convert 'Homes Passed' to 'Homes Connected'
- ⊗ Keyed mechanical locking and opening mechanism
- ⊗ The lid opens in a way that gives full access to the Smart Box
- ⊗ Lid: Raised non-slip pattern
- ⊗ Branding options for customer on lid
- ⊗ Quick and easy to assemble with assembly clips
- ⊗ Flat-packs for cost-effective logistic
- ⊗ Hand assembles with a minimal tools.
- ⊗ SANS 558 Light Duty and EN124 Class A15 (1.5 ton) - 15 kN



Specifications

Dimensions

Lid opening diameter:	200mm
Chamber internal clear depth:	290mm
Total height:	320mm
Knockout Ports	8 x 50mm and 4 x 32mm

Storage options:

Store by hand coiling cable or drop duct.	
Sizes < 10mm	Stores 10m Slack
Size < 8 mm	Stores 30m Slack



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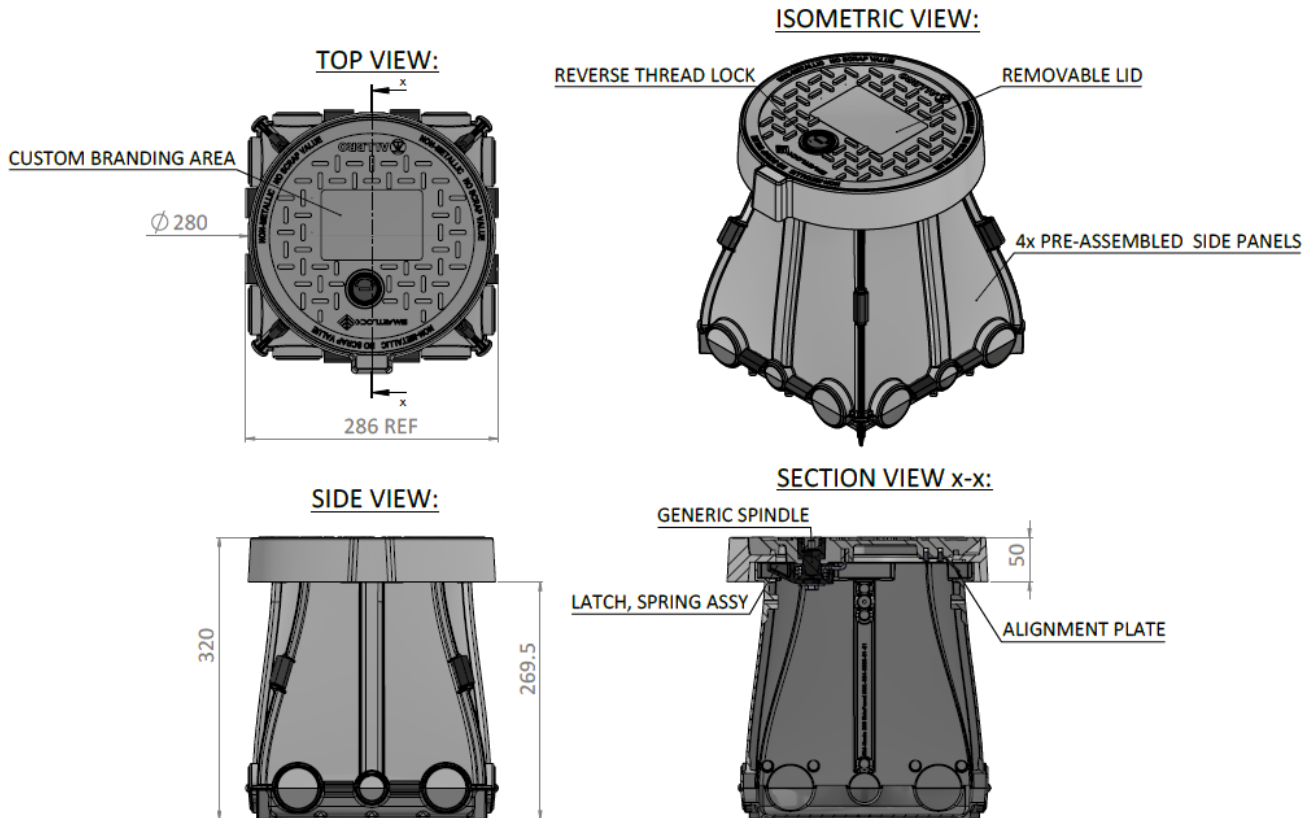
Material:

Lid, frame, side panels and base plate: UV stabilised glass reinforced polyester (GRP) in sheet moulded (SMC) format; 30% glass fibre content

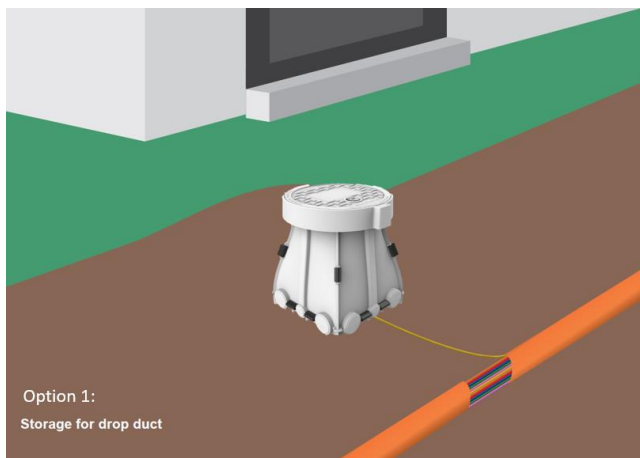
Latch and alignment plate: Thermoplastic

Assembly clips: ABS

All metal components and fasteners: Stainless steel 304



Application



- ☼ Demarcation point between 2 or 4 homes as slack storage for drop ducts or drop cables.

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Packaging and Labelling

All products suitably packaged in recyclable materials and clearly labelled with Emtelle Product Code and Description where possible. Product comes flat-packed for cost-effective logistic and stock management.



END OF SPECIFICATION

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