Access Chambers

STAKKAbox™ Modula

Applications:

Traffic Signals, Street Lighting, Motorways, EV Infrastructure, Forecourts

The STAKKAbox™ Modula are a family of pre-formed twin wall access chambers which have been developed for use in both footway and carriageway installations. The STAKKAbox™ system consists of 155mm deep ring sections which are stacked on top of each other to form chambers of varying depths. Each ring is castellated to positively interlock with the unit above and below. The sections are available with duct entry holes or solid walls.

The STAKKAbox™ system has a high strength to weight ratio. This is due to it's unique patented twin wall design with internal vertical and horizontal support ribs. The vertical ribs provide a high degree of vertical compressive strength which resist the loads applied by vehicles passing over, while the continuous horizontal rib offers a strong resistance to side wall loads from vehicles or ground heave. Through the unique patented twin wall technology each STAKKAbox™ Modula chamber is capable of withstanding a vertical load in excess of 40 tonnes.

Advantages

- 40 tonne vertical loading
- Simple and quick install
- No requirement for concrete surround
- Lightweight sections for manual handling
- Easily adaptable on site without loss of strength
- Life expectancy in excess of 40 years
- Fully recyclable

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Purchase Specification

Access chambers shall be a twin-wall design and assembled from stackable 150mm deep sections.

Access chambers must be tested to withstand a minimum vertical load of 40 tonnes without the use of concrete surround for support.

Access chambers must be manufactured from thermoplastic material which is both recycled and recyclable at the end of its product life.

External walls shall have an external rib of width no greater than 15mm, positioned at the bottom of each section, to allow full section depth compaction.

External walls shall be free from moulding voids that will negatively impact the effectiveness of compaction which should be in accordance with the New Roads and Street Works Act (1991).

Access chambers must not be jointed in the corner or require mechanical fixing to achieve strength.

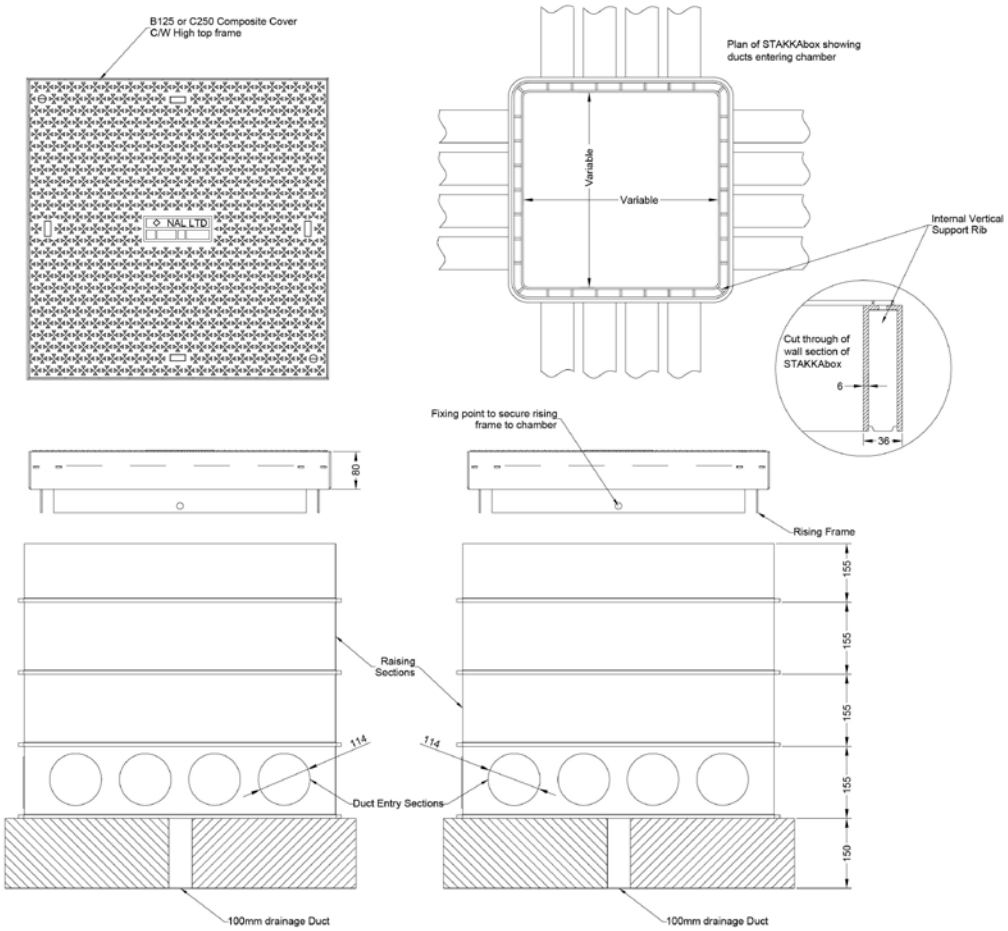
Access chamber sections must have the ability to be adjusted in height during installation.

Access chamber sections must be capable of being cut laterally to allow for transitional gradient installations.

Access sections should have pre-drilled duct entries and be supplied with removable caps.

Access chambers must have the ability to allow internal cable management furniture to be retrofitted without the need for any excavation.

Twin wall access chambers to be supplied to the above specification by NAL Ltd or equally approved manufacturer.



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			Cover Ratings and Type Available			
Length	Width	Section Height	Composite	Concrete Infill	Ductile Iron	Recessed
300mm	300mm	155mm	B125/C250	B125	D400	B125
450mm	300mm	155mm	B125/C250	B125	C250	B125
450mm	450mm	155mm	B125/C250	B125	B125/C250/D400	B125
600mm	450mm	155mm	B125/C250	B125	B125/C250/D400	B125
600mm	600mm	155mm	B125/C250	B125	B125/C250/D400	B125
750mm	600mm	155mm	N/A	B125	B125/D400	B125
750mm	750mm	155mm	N/A	B125	B125/D400	B125
900mm	450mm	155mm	B125/C250	B125	N/A	B125
900mm	600mm	155mm	B125/C250	B125	B125/D400	B125
900mm	900mm	155mm	B125/C250	B125	B125/D400	B125
1200mm	600mm	155mm	B125/C250	B125	D400	B125
1200mm	675mm	155mm	N/A	B125	B125/D400	B125
1200mm	900mm	155mm	B125	B125	N/A	B125

Please note:

It is possible to supply other sizes due to the adaptability of the chamber sidewall sections, these are in 100mm, 150mm, 300mm & 375mm. Any of these sidewall lengths can be used to construct various size chambers i.e. 300mm (corners) + 100mm + 100mm + 375mm = 875mm side wall (clear opening).

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