Chamber and Duct Systems

STAKKAbox™ Ultima Connect

Applications: Motorway Comms, Traffic Signals, Street Lighting, Telecoms, Power, Gas, Water

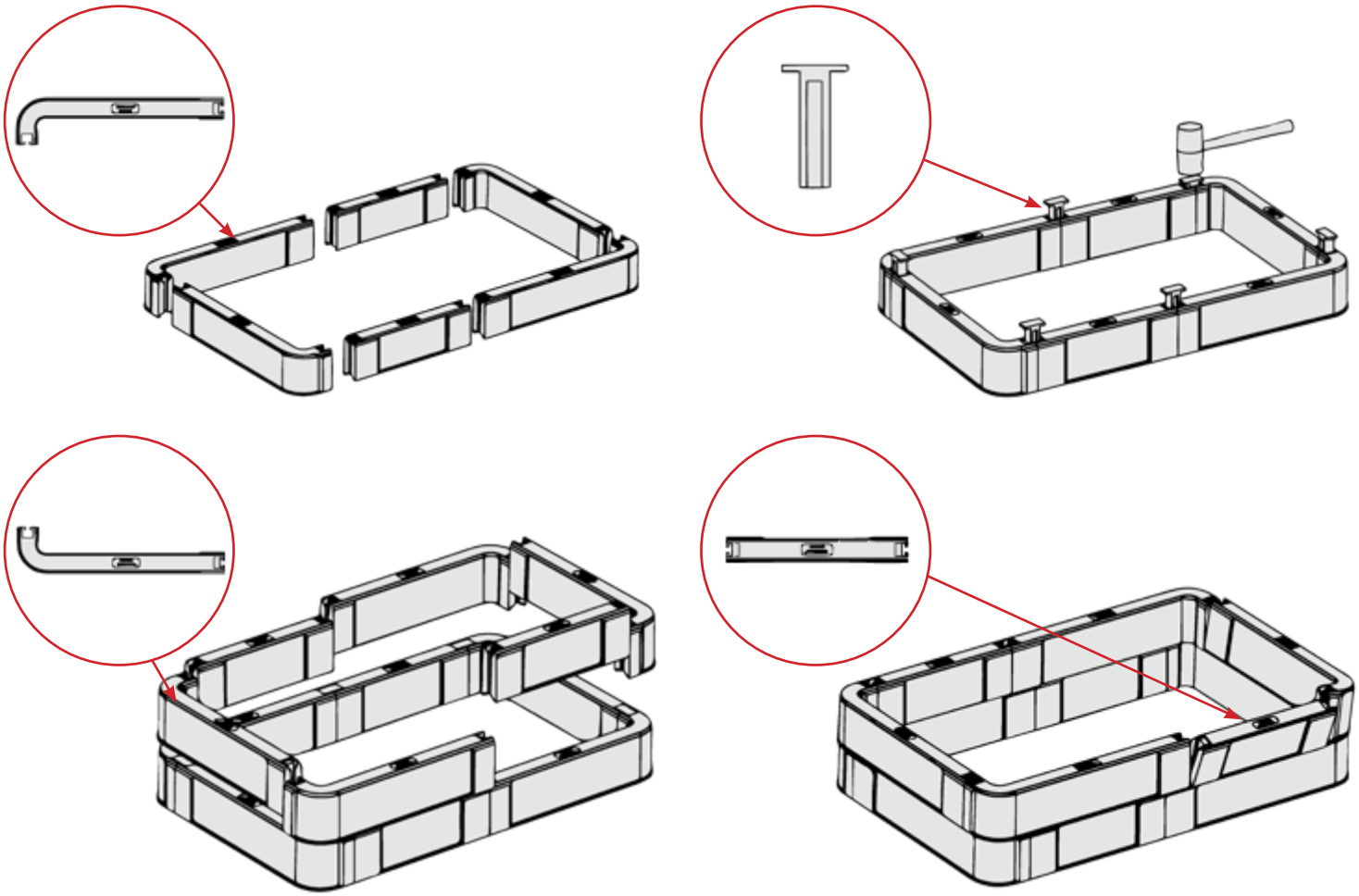
The STAKKAbox™ Ultima Connect Access Chamber is manufactured from high strength GRP in 150mm deep sections, that stack one on top of each to reach desired depth. Each ring section is castellated to positively interlock with the unit above and below. The system is modular in design and composes of straight side walls and curved corner pieces which are connected with a locking pin. The corner pieces are manufactured in left and right 'handed' designs, which offer the ability to offset joints between sections providing a brick work design. This significantly improves the sidewall performance of the installed chamber enabling it to be built on or off site to virtually any size. The Ultima Connect chamber is also easily adaptable on site so it can be retrofitted around existing services.

Traditional access chambers that are cast or built in-situ require lengthy installation and reinstatement periods by skilled labourers with specialist equipment. In comparison Ultima Connect chambers are significantly faster to install with immediate reinstatement using hand tools. This has a direct impact on cost as Ultima Connect requires less labour and provides more time to complete other work on site or reopen access to the public.

Advantages

- Rapid Installation
- 90 Tonne vertical loading
- Immediate reinstatement with no requirement for concrete surround
- GRP construction gives high strength and durability
- Lightweight sections for manual handling
- Easily adaptable on site without loss of strength
- Resistance to chemicals
- Life expectancy in excess of 40 years
- Fully recyclable

Please see individual Ultima Connect Drawings for full range of dimensions.



Ultima Connect Specification

Access chambers must be manufactured from thermoset GRP.

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

Access chambers must be tested to withstand a minimum vertical load of 60 tonnes without the use of concrete surround for support.

External walls shall be smooth with a key lip to allow full compaction against the chamber and key into backfill material.

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. Vertical joints will be staggered.

Access chamber sections must have the ability to be adjusted in height during installation by being cut laterally without loss of strength to allow for transitional gradient installations.

Access chambers will allow duct entries to be quickly formed on site.

Access chambers must have smooth internal walls to allow chamber furniture to be fitted.

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

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