



Applications: Magnetometers, Detectors

The NAL Detector Chamber has been designed to house a variety of wireless vehicle detection systems. Being wholly manufactured from composite material it enables the wireless equipment to transmit through the cover of the detector chamber.

The chamber is protected by a sealed cover which ensures the detectors are kept free of water ingress. Tested to BS5834 Grade A vehicle loading, the product can be installed in carriageway, footway, car park and cycle way applications.

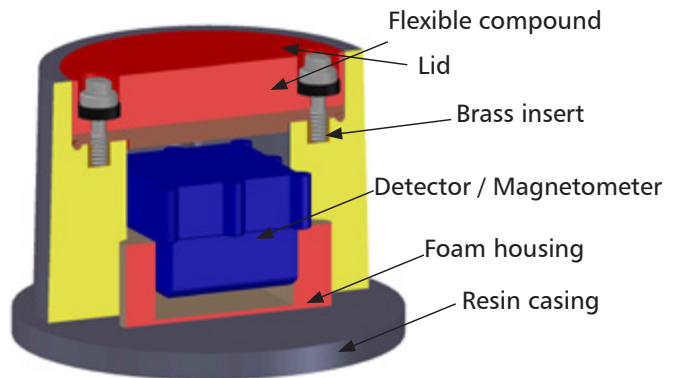
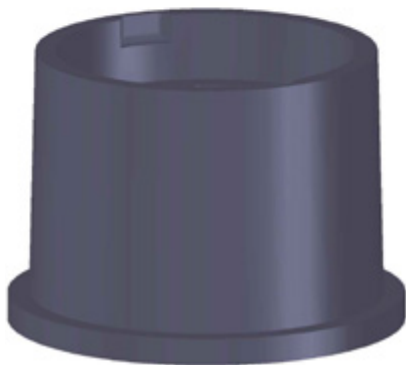
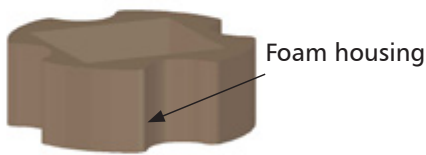
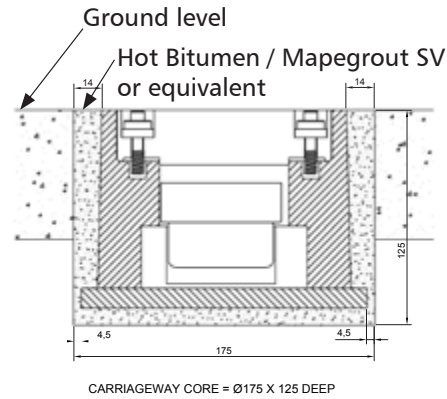
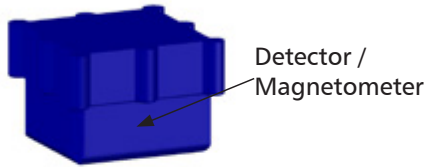
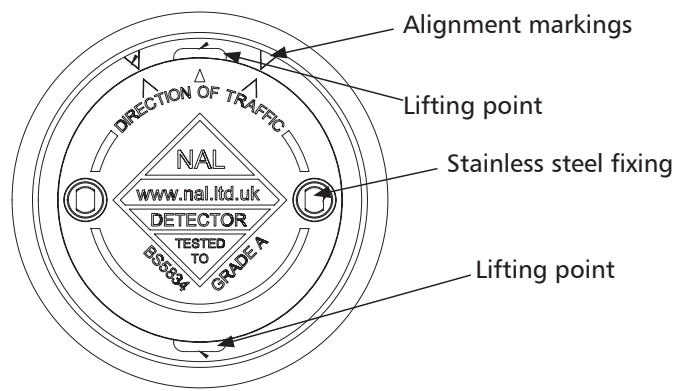
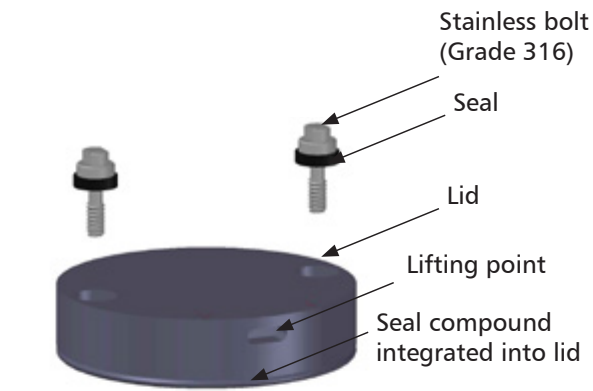
Detector Chambers are rated to IP68, however we recommend that a re-enterable 2 part gel is poured once the magnetometer has been fitted to prevent any possibility of water ingress.

Housing the equipment in the chamber enables rapid removal and replacement with minimal traffic management.

Advantages

- ◆ Signal unaffected by composite material
- ◆ BS5834 Grade A tested (carriageway loading)
- ◆ Quick and simple core drill installation
- ◆ No requirement for expensive resin, reinstate with bitumen sealant
- ◆ IP68 rating
- ◆ Clearly visible in the carriageway (optional red cover)
- ◆ Allows access with minimal traffic management
- ◆ No scrap value, no risk of theft
- ◆ Patent pending GB518281.9





Detector Chamber Specification

Detector Chambers must be manufactured to BS5834 Grade A load rating, enabling carriageway installation.

Detector Chambers must be manufactured wholly from composite material which allows transmission of wireless signals.

Detector Chambers must have a minimum IP68 rating.

Detector Chambers must be supplied with a re-enterable 2-part gel.

Detector Chambers must be circular in shape with a maximum diameter of 166mm to fit in a 175mm core.

Detector Chambers must have covers with options in both red and black.

Detector covers must be secured by 2nr stainless steel grade 316 T fixings.

Detector must be held securely in the correct orientation once installed within the chamber

Detector Chambers must be manufactured and supplied to the above specification by NAL (British Patent No.GB518281.9) or equally approved.

