

Civils Installation



Step 1

(do not remove chamber cover at civils stage)

Using a 175mm diameter core, drill to a depth of 125mm.



Step 2

(do not remove chamber cover at civils stage)

Remove the core and any excess water.



Step 3

(do not remove chamber cover at civils stage)

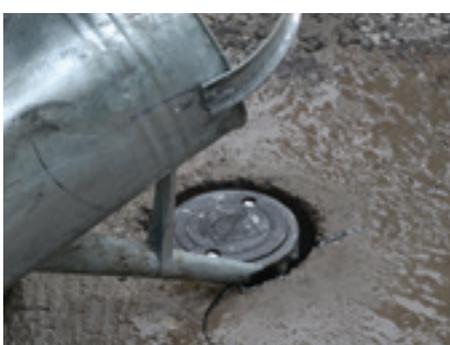
Insert a layer of high strength bedding mortar.



Step 4

(do not remove chamber cover at civils stage)

Insert the Detector Chamber, ensuring the chamber is level with the surrounding surface. Ensure the 'direction of traffic' marker is in the correct position.



Step 5

(do not remove chamber cover at civils stage)

Reinstate with Bitumen Sealant or high strength Flowable Grout.

Installing Wireless Sensor



Step 1

Remove the lid and ensure chamber is dry and free from debris.

Insert the wireless sensor into the chamber ensuring it is in correct orientation.



Step 2

Mix the 2-part gel together.



Step 3

Pour the mixed gel into the Detector Chamber and allow to set.



Step 4

Position lid onto Detector Chamber, ensuring the orientation of lid corresponds with wireless sensor / direction of traffic.

CHECK washers are present before bolts are tightened.



Step 5

Secure and seal the chamber cover by tightening the two T-key fixings with a torque wrench.

Do not use standard T-Keys.

These must be tightened to a torque setting of between 9Nm and 12Nm. T-key fixings for 1/4" torque wrenches are available from NAL.

Removing Wireless Sensor



Step 1

Remove the Detector Chamber lid and using a tool, gently pry the gel-encased sensor out of the chamber.



Step 2

Using a sharp blade carefully cut away at the gel until the sensor is free. Once maintenance has been carried out the wireless sensor can be placed back into the Detector Chamber and **resealed with new 2-part gel**.



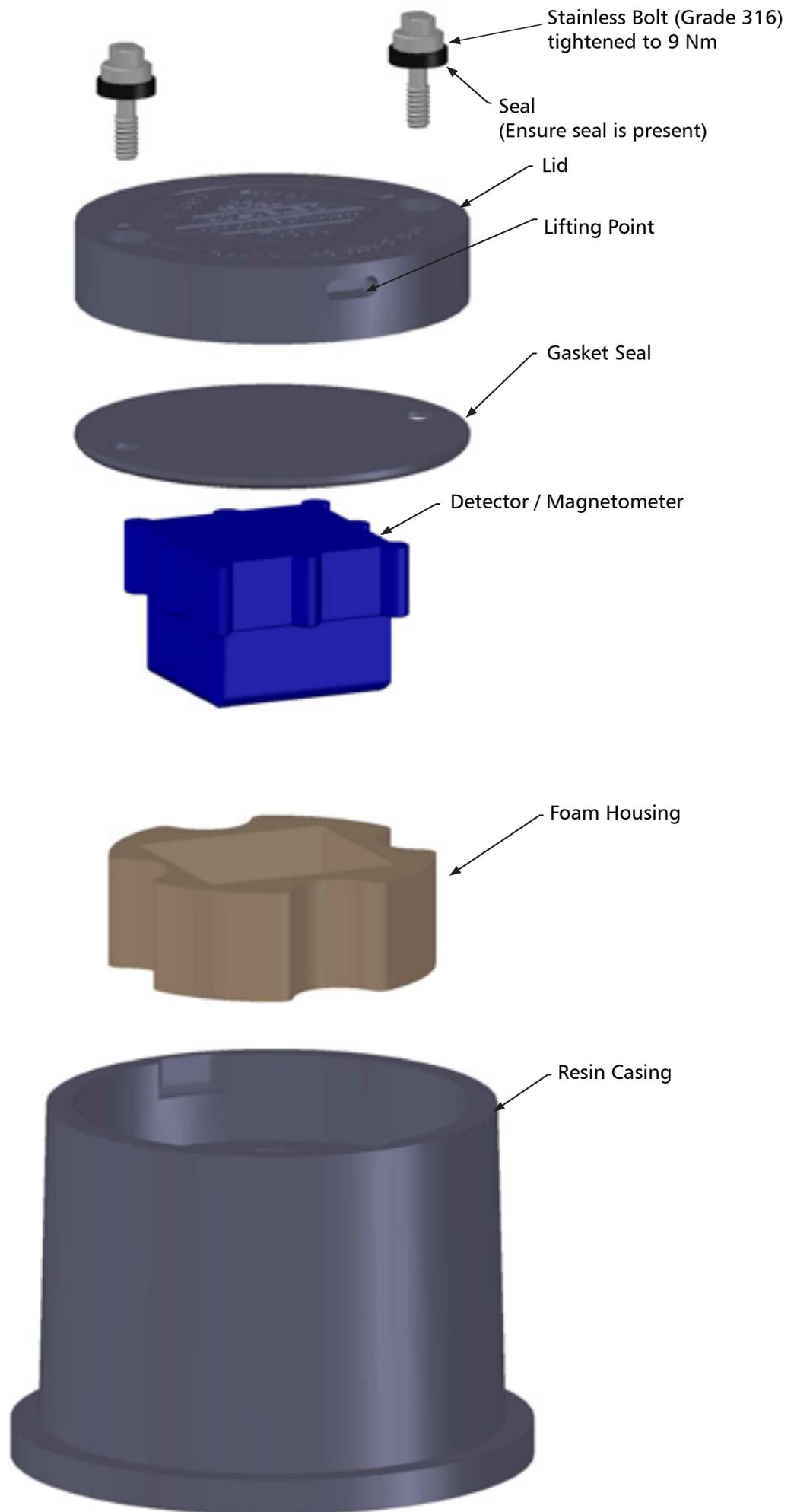
A CRH COMPANY

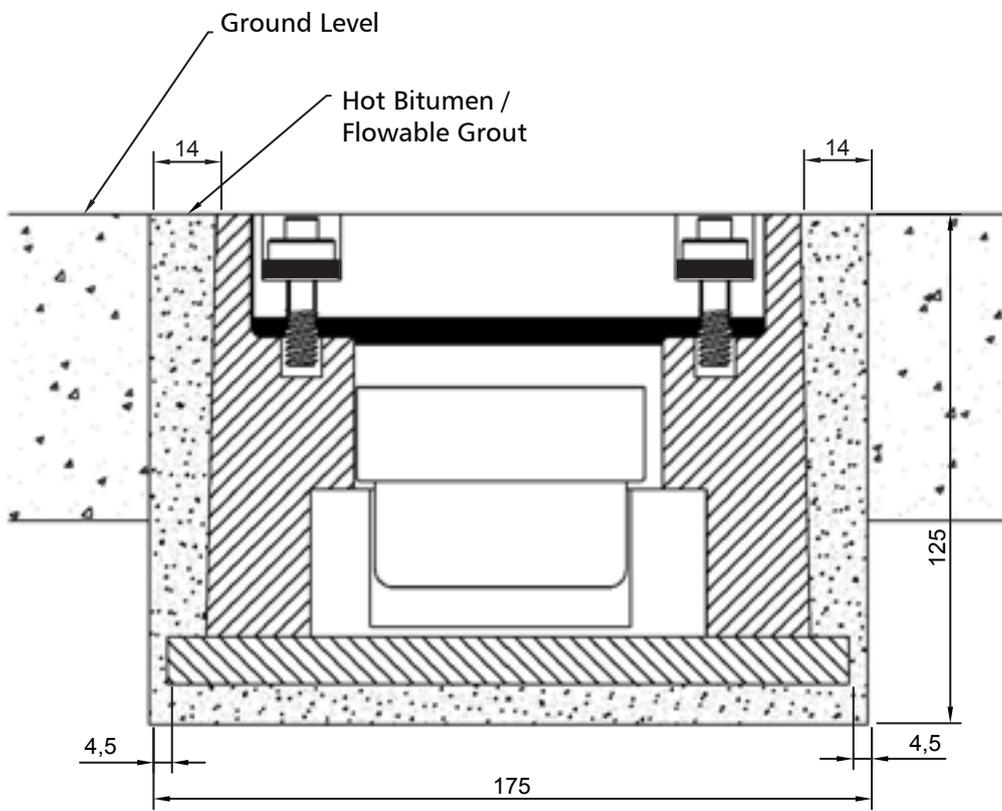
Weir Lane, Worcester, WR2 4AY

Tel:01905 427100

Fax:01905 427030

Email:sales@nal.ltd.uk





Carriageway Core = Ø175 X 125 Deep

