



Retention Sockets

Fast Charger Foundation



Applications:

Street / Car Park Charging Bays

Overview

The NAL Fast Charger Foundation is a universal system created to simplify and improve the cabling process. Future proofing all installations, to allow for a swift and straightforward replacement of units if necessary, it also enables upgrades to accommodate advancements in technology, along with facilitating capacity for increased demand.

Implementation

Designed to secure all types of Electric Vehicle fast charge dispensers and to allow simple access to utility cables, the foundation utilises a standard NAL Retention Socket. This can be installed prior to delivery of dispenser units, at civils stage and sealed with a pedestrian plug, to ensure footways remain free of trip hazards and open to the public. Dispensers can be surface mounted, by installing the manufacturers' specific adapter plate into the Retention Socket and then bolting the dispenser to the plate or, alternatively, can be installed directly into the Retention Socket.

Advantages

- ◇ **Feature**
Simplifies civils installation
- ◇ **Benefit**
Shallow depth requirements reduce the need for wet concrete – eradicating associated inconvenience and cost
- ◇ **Feature**
Universal system
- ◇ **Benefit**
No lost time incurred waiting for manufacturers specific foundation fixings
- ◇ **Feature**
Fully future proofed
- ◇ **Benefit**
No requirement for costly excavation work in the event of upgrade or damage and foundations can be installed ahead of time to meet future increased demand
- ◇ **Feature**
Completion of civils work prior to delivery of Fast Charger dispensers



A CRH COMPANY

Advantages

- ◇ **Benefit**
No lost time incurred due to conflicting schedules
- ◇ **Feature**
Allows ducting to enter from any location
- ◇ **Benefit**
Flexibility allows for multiple cable sizes
- ◇ **Feature**
Positively connected ducting
- ◇ **Benefit**
Provides simple and improved access to cabling, reducing installation and maintenance times
- ◇ **Feature**
Pedestrian plug seal
- ◇ **Benefit**
No disruption to the public or any health and safety implications
- ◇ **Feature**
50mm or 100mm bottom entry duct
- ◇ **Benefit**
Improved cable manoeuvring capabilities

Retention Socket Duckfoot Bend Purchase Specification

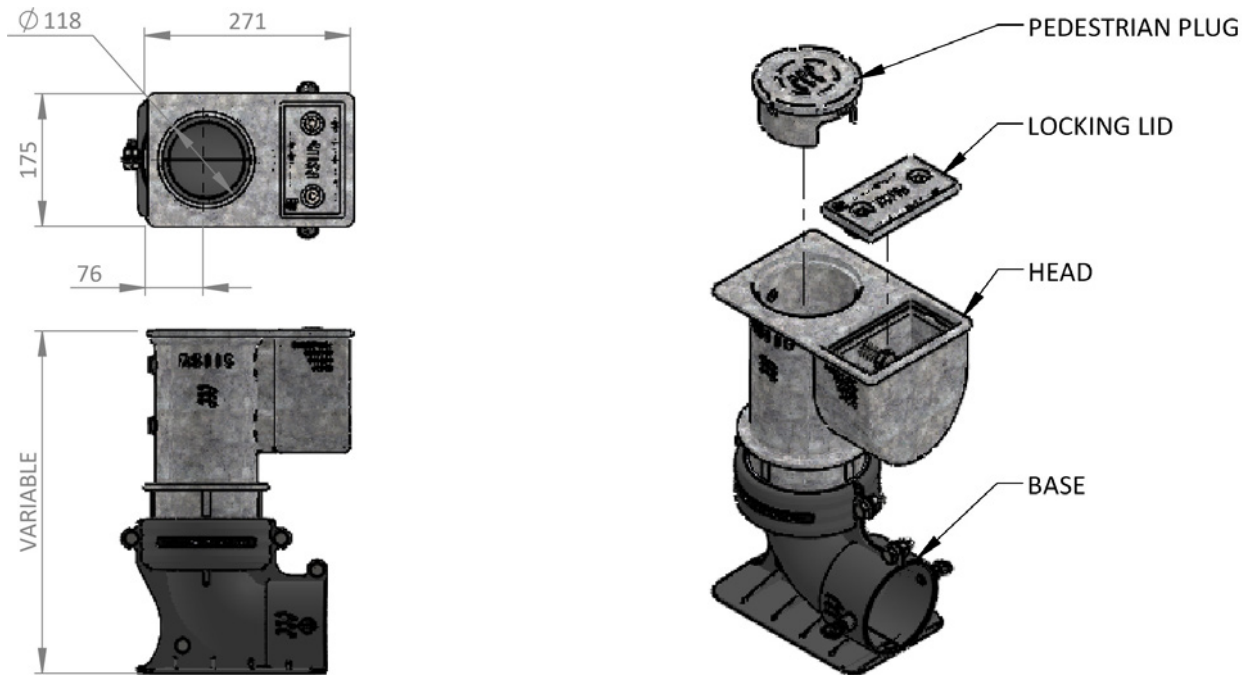
The socket head shall be constructed of cast steel to ISO 3755 230-450 or Ductile Iron to BS2789 500-7, galvanised on all internal and external surfaces. The socket shall be capable of withstanding impact forces from vehicle impact to steel posts with wall thickness up to 6mm. All assembly screws shall be M12 A2 stainless steel. It shall contain two M16 A2 stainless steel lateral fixing setscrews inside a locking chamber. This locking chamber shall be covered with a locking lid, EN124-B125 load rated fitted with RS worm lock. The socket shall have a duckfoot bend base. The socket shall contain a steel protective pressure plate. All operating components shall be serviceable on site.

Retention Socket Shallow Foundation Purchase Specification

The socket head shall be constructed of cast steel to ISO 3755 230-450 or Ductile Iron to BS2789 500-7, galvanised on all internal and external surfaces. The socket shall be capable of withstanding impact forces from vehicle impact to steel posts with wall thickness up to 6mm. All assembly screws shall be M12 A2 stainless steel. It shall contain two M16 A2 stainless steel lateral fixing setscrews inside a locking chamber. This locking chamber shall be covered with a locking lid, EN124-B125 load rated fitted with RS worm lock. The socket shall have a galvanised steel base. The socket shall contain a steel protective pressure plate. All operating components shall be serviceable on site. NAL calculate foundations to EN40 or BD94/07 for all Retention Sockets. ST4 Concrete and A393 mesh must be used for all installations of Shallow Foundation Retention Sockets.



Duckfoot Bend



Shallow Foundation

