Retention Sockets installed in a modular paved footway with a gradient may require the installation of an RS Drop Kerb Wedge. This is a superficial unit which is secured to the top of the Retention Socket allowing it to be positioned in line with the surrounding ground surface. This simplifies the installation of the Retention Socket in tapered surfaces while ensuring posts remain vertical. The retro fit drop kerb wedge can be installed after the poles have been fitted into the Retention Sockets. Also available are a range of Retention Socket cover plates. These can be manufactured in many different finishes and colours including Stainless Steel and Anti Slip material, allowing the Retention Socket to blend into the surrounding surface.

**Levelling Pole**

The RS Levelling Pole is a simple tool used to ensure Retention Sockets are installed vertically at civils installation stage. It eliminates the need to have street furniture on site during the civils works. Once installed into the Retention Socket the levelling pole must ALWAYS be secured in place with the locking bolts.

These are situated in the side chamber of the Retention Socket. Once levelling pole is secure, contractors can use the pole as a lever to achieve the vertical level. Levelling poles and associated tool kits are supplied with every Retention Socket order free of charge.

**Drop Kerb Wedge**

**QRE/QRW, Post Jack**

**QRE (Quick Release Extraction Tool)**

The QRE is designed to clamp onto the damaged post at ground level and the post is extracted with 2nr vertical lifting bolts which tighten onto a steel footplate.

**QRW (Quick Release Wedge)**

The QRW tool is designed to create a gradual shoulder to assist in the removal of damaged post. As posts are rotated onto the quick release wedge they are automatically uplifted out of the Retention Socket.

**Post Jack Tool**

The Post Jack Tool is designed to lift the posts vertically from the Retention Socket. Damaged posts require a fixing aperture to be drilled on site. This enables the vertical jack to be secured to the post and vertically lifted out of the Retention Socket.

**Duct Adapters**

Duct adapters can be manufactured to customer requirements. They are normally used when you have two 50mm ducts coming in to one duct entry point.

The duct adapter can be positively connected to the duct entry point on all retention sockets.
Reducers and Inserts

RS Reducers - enable smaller posts to be installed in larger Retention Sockets. Inserts are also available for bespoke shaped poles. Tapered inserts - enable conical or octagonal columns to be installed in standard Retention Sockets. Bolt down inserts - enable any type of bolt down street furniture to be secured into Retention Sockets.

Covers and Security

The Retention Socket side chamber covers are supplied with a T key or Tri key fixing as standard. We can supply other options as detailed below. We also manufacture bespoke fixings to suit customers specific requirements (subject to quantities). A range of bolt sheafs can be manufactured where extremely high levels of security are required.

Available fixings
- Hex
- Hex socket
- Security hex socket
- Torx
- Security torx
- Spanner head

Retaining bolt sheafs

T key fixing

Tri key fixing

Pole Locator Tool

The Pole Locator Tool has been designed to assist in the installation of columns into the NAL Retention Socket System. The tool locks into the Retention System and creates a holding point allowing the column to be safely lifted into a vertical position and lowered into the Retention Socket.

Protectors

Due to Passively Safe Poles being manufactured from lighter materials than steel NAL supply a wide range of post protectors. These are available for all sizes of Retention Sockets and allow a spread in pressure when tightening the retaining bolts on to the post, this also prevents any damage to the surface of the pole.

These are available from NAL and should be used in all circumstances when aluminium or composite poles are being installed.