The Orion Retention Socket
- The Smart Choice
Features and Benefits

- Isotropic clamping mechanism (UK patent app. no. 2482889) creates an even grip right around the pole – no need for point loads liable to pierce thin, composite or aluminium poles.

- The socket is fabricated from continuous steel tube, giving high strength along its full burial depth, down to the base plate.

- Minimum surface footprint.

- Cover plates provided in any metal (e.g. brushed stainless steel) to match the pole or complement the paving surface.

- Full cover plates provided to keep socket clean and safe during pole installation/replacement.

- Accepts a range of pole diameters and planting depths, typically from 60 to 200+ mm diameter and up to 1500mm depth.

- Detachable base plate/duct clamp to permit the introduction of services via either a single or twin 360° ducting elbow.

- Sockets can easily be cut down to reduce the depth - on site if required.

- The polymer O ring and base ring form the only contact with the pole ensuring no dissimilar metal corrosion, or sideways thrust of the pole.

- Can take a square, round and tapered post.

Designed and developed to move the choice of socket base systems along both aesthetically and to develop the engineering and performance function of retention sockets. With the Orion, installing and replacing damaged poles and columns suddenly became much easier.
Crash testing the Orion socket

The Poletech Orion socket was selected by Sapa Pole Products, for a Crash Test Demonstration of one of their traffic signal poles. A 115 x 600mm Orion socket was installed to be tested with a Sapa passively safe signal pole, complete with signal head and pedestrian push button control box.

The test was conducted at MIRA in May 2012 and was a complete success for both companies. The damaged pole was easily removed and the socket was ready to accept another pole.

Several of the other Ritherdon/Poletech products have also been crash tested with many other products including:
- Poleplug, with motorway gantries.
- Passively Safe Cabinet (to EN12767) early in 2013.

More details are available from Ritherdon & Co Ltd.

*Poletech Systems and the range of innovative Poletech highways products were acquired by Ritherdon & Co Ltd at the end of 2012.
Other Ritherdon & Co Products

FlexiPole

• One pole - many solutions.
• Installed in 5 minutes.
• Pole tested and certified to be run over 1000 times - still vertical after 1000th impact.
• Illuminated and non-illuminated versions available.
• 5 year guarantee to replace pole if it doesn’t self return.
• Very competitively priced.

Passively Safe Cabinet

• Crash tested to BS EN 12767: 2007 - rated 100 NE3.
• Test covers a range of sizes and applications.
• Removes need for expensive crash barriers.
• Base interface designed for rapid replacement following a crash; reducing traffic disruption and risk to operatives.

Poleplug

• Designed and tested to pull apart on impact without tethering passively safe street furniture.
• IP68 rubber plug and socket.
• Moulded onto the cable to form integral unit.
• Multiple levels of sealing in the design.

Call 01254 819100 or visit www.ritherdon.co.uk for more information