



TMP Solutions

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Retention Socket

For easy bollard installation and replacement
Perfect for traffic calming and high risk sites

Improves safety and reduces traffic management costs

The TMP Retention Socket is the perfect foundation choice for bollards located in vulnerable areas that are prone to repeated knockdowns. Bollards can be installed and replaced in seconds, not only making it safer for the highway operatives but there are considerable traffic management and civils savings too!

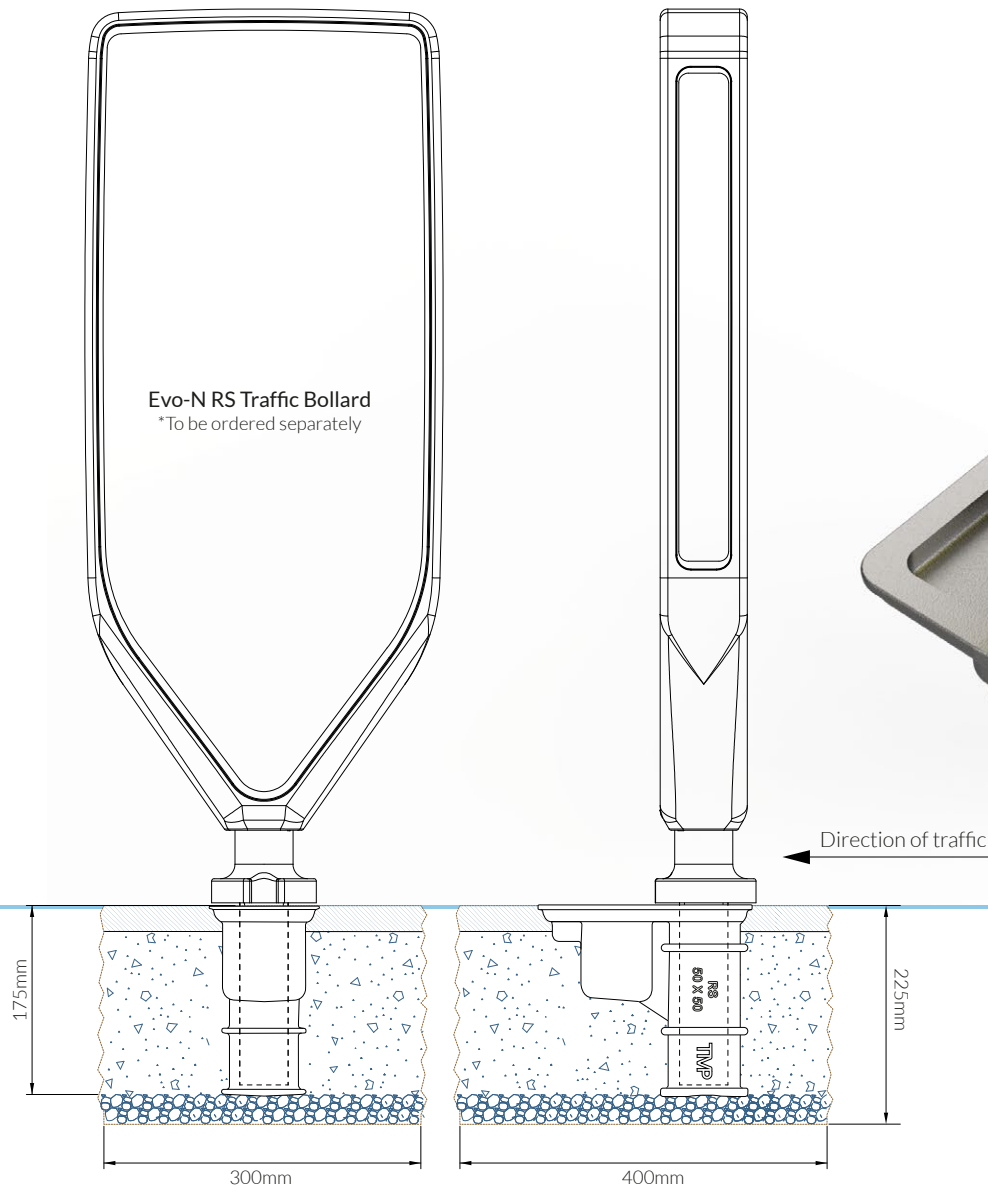
- 50x50 Retention Socket
- No trip hazards after civils work
- Fast and safe bollard installation and replacement
- More cost effective than traditional foundations



Tools Required

- 19mm Wrench
- Size 6 Hex Key

Specifications



Note: If the existing ground is loose or uncompacted use a wider/deeper base of concrete.

How to install

- 1 Excavate the site to a minimum of 300mm x 400mm wide by 225mm deep. (allowing for 50mm of type 1 compacted sub base to help drainage and alignment)
- 2 Place the retention socket centrally in the excavation. Surround with the required amount of ST4 grade concrete. When pouring remember to leave enough space for the finished ground covering.
- 3 The retention socket needs to be set vertical, this can be checked by removing the cover plates and inserting the bollard, or levelling post, into the 50mm x 50mm cavity. Secure by tightening the bolt using a 19mm spanner and check vertical with a spirit level.
- 4 Compact the concrete and re-check the retention socket is vertical using the spirit level.
- 5 Once the concrete has begun to cure, carefully remove the bollard, or levelling post, and replace both cover plates using a size 6 hex key.
- 6 Top off the concrete foundation with your chosen final ground covering ensuring the top of the retention socket is flush.



Surface Bollard
Adaptor Plate
Available