

Method statement for installation of a Rolec

Ground Mounting Base (GMB)

- **GMB hole** to be excavated by hand to the depth of the GMB. The diameter of the hole is to be 200mm greater than the GMB.
- **Grass Surface.** In the case of a grass surface the GMB is to stand proud of the ground by 10mm to avoid damage to the bollard by grass cutting equipment.
- **Asphalt Surface.** For asphalt surfaces the GMB hole is to be squared off using a power saw.
- **Concrete Mix.** This material should be ST3 concrete mix or M90 rapid set building cement or similar approved material to be thoroughly tamped down.
- **Compacted backfill.** On deeper bases a compacted material consisting of excavated material or other approved granular material may be used but must be thoroughly compacted.
- **Wearing Course.** Where a compacted backfill is used a wearing course of 80mm surface concrete or asphalt is advised.
- **Uncoated Stone Surfaces.** The final reinstatement shall be carried out using similar material to that prior to the disturbance.

The GMB should be placed in the hole with the retaining flaps bent out to 90°. The void between the GMB and the hole sides should be filled with the concrete mix to the level that meets the bottom of the cable entry port.

When the GMB is set in position the cable may be fed into the cable entry port and out through the top of the GMB.

Fill the bottom centre of the GMB with gravel to aid draining then pour concrete into the exterior void until level with the surface. If asphalt or stone surface is to be reinstated, leave appropriate space for this to be laid. Allow to set then mount the bollard ensuring that any door opening on the bollard faces away from oncoming traffic orientated at 90° to the kerb.



Ground Mounting Base (GMB) Installation Guide

Legend

- A. Cable/Conduit entry port
- B. GMB surface plate
- C. Bollard mounting studs
- D. 1st level concrete fill
- E. Retaining Flaps (to be bent out on site)
- F. Ground level
- G. GMB Body
- H. Excavated hole sides

