



**PRODUCT SPECIFICATION**

**MATERIAL:**  
 BOLLARD: GRADE 316L STAINLESS STEEL SLEEVE, 2mm WALL  
 GRADE S235 MILD STEEL CORE  
 SOCKET: GRADE S235 MILD STEEL (5mm)

**FINISH:**  
 BOLLARD: SLEEVE, BRUSHED SATIN CORE, HOT DIP GALVANISED, BS EN 150 1461 (1999)

SOCKET: HOT DIP GALVANISED -

**WEIGHT:**  
 SOCKET: 23.2KG Approx  
 BOLLARD: 17.1KG Approx

- TELESCOPIC INSTALLATION:**
1. Determine suitable location for telescopic bollard. Perform visual checks, scan and check drawings for utilities/live cabling.
  2. Evacuate cubed foundation for bollard. Insert 200mm of pea gravel in the hole for drainage purposes. (Guidance: See Drawing)
  3. Locate bollard centrally in evacuation hole, insert a further 200mm of pea gravel. Back fill earth till 300mm from ground level.
  4. Cast C30 concrete or similar medium slump around socket. Ensure socket is vertical in all planes. Smooth off concrete to allow slight fall away from socket.
  5. Allow the foundation to cure. Concrete should be protected by polythene during the first 24 hours following installation.

Foundation sizes given are for customer guidance and suited to sub-soils with good load bearing capabilities. Where adverse site conditions are met professional advice to be sought.

For operation and maintenance please refer to the **Marshalls Street Furniture Maintenance Guide**.

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Title:  
**SS5 TELESCOPIC BOLLARD  
 Ø101 710HAG**

Drawing No:  
**PS-RH-BT-10058**

**Marshalls**  
 street furniture

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Unless otherwise stated:  
 ALL DIMENSIONS ARE IN  
 MILLIMETERS

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Marshalls PLC reserves the right to change the specifications of products noted above at any time and without notice.

**DO NOT SCALE DRAWING**

Scale: N.T.S. Sheet: 1 of 1

**A4**