

# s26 bollard



*Above and right, s26 galvanized steel bollard with stainless steel top cap.*

## description

Brushed 316 grade stainless steel with radially polished cap top section on painted galvanized steel lower section.

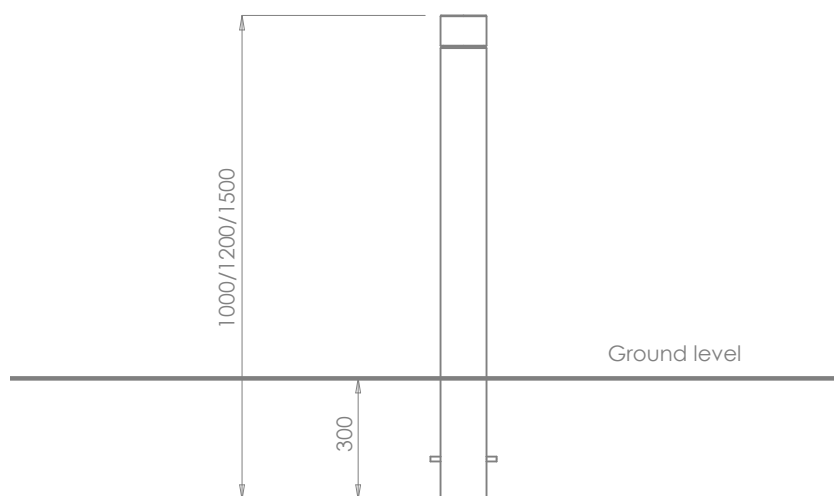
## dimensions

Diameter/wall thickness 114/3mm,  
Lengths 1000mm, 1200mm (standard),  
1500mm.

*(1000mm above ground to meet NDA/  
DDA recommendations).*

## options

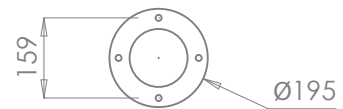
Root fixed, below ground flange  
fixed, above ground flange fixed.  
Ground socket box for removable  
option, pad lock type or hidden  
grub screw type. Choice of colours.



# s26 AGFF Fixing Instructions

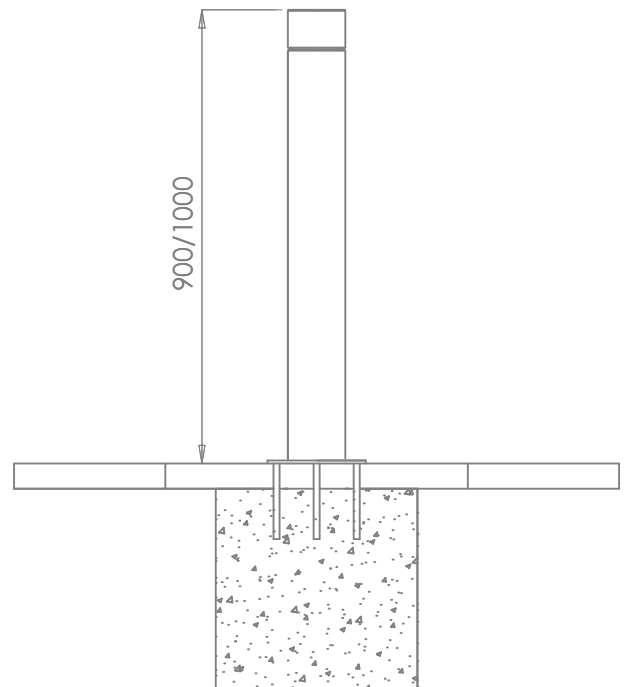
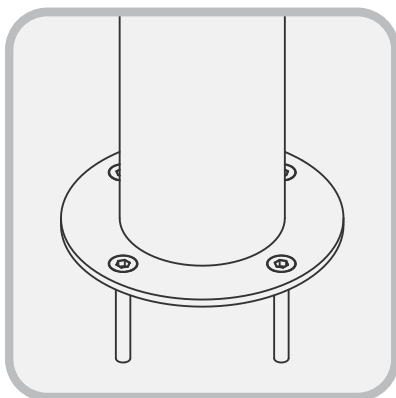
(for areas already paved)

- 1 Ensure that the surface which the bollard is to be fixed to is of sufficient size and strength for this purpose.
- 2 Position the bollard in the desired location and mark hole positions.
- 3 Drill following fixing manufacturer's instructions to suit the chosen fixing. Choose a fixing which will accept an M10 SS CSK bolt, either a mechanical anchor (such as Hilti HSC-IR M10\*60) or an internally threaded fixing designed for chemical fixing (such as Hilti HIS-RN M10xL [length to suit]). **IMPORTANT**, the depth of the hole must be sufficient to allow the fixing to be fully embedded in the concrete rather than partially in the paver and partially in the concrete.
- 4 Insert the fixings into the ground following fixing manufacturer's instructions.
- 5 Reposition the bollard and screw in M10 SS CSK (stainless steel with countersunk head) into the 4 no. fixings. Where chemical fixing is used (such as Hilti HIT-HY 150) leave sufficient time to cure.
- 6 Tighten the bolts.



## Foundations

Foundations must be to engineers specification. Omos recommends a minimum cube size of 400mm.



*Above, fixing details.*

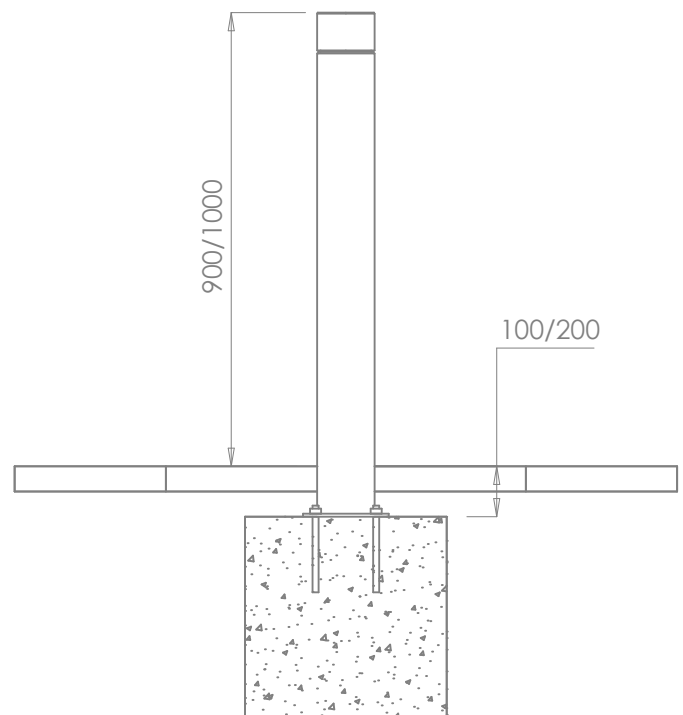
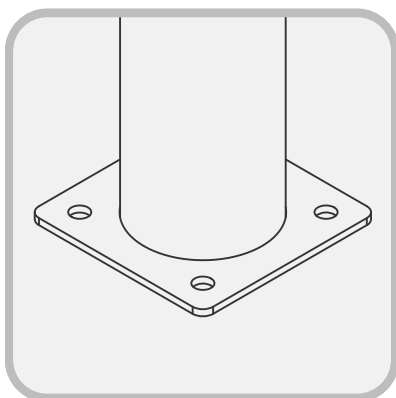
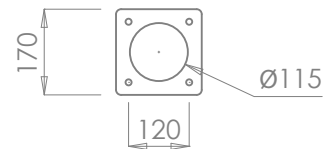
# s26 BGFF Fixing Instructions

(for areas already paved)

- 1 Cast foundation to engineers specification where bollard is to be located. The surface of the foundation must be level and finished to 100mm +10mm, -0mm. Leave to fully cure.
- 2 Position the bollard in the desired location and mark hole positions.
- 3 Drill 12mm holes to a depth of 150mm (or more depending on thickness of paver), insert M12 through bolts (such as Hilti HSA M12).
- 4 Use shims if necessary to ensure the correct height and plumb. Tighten bollard in position.
- 5 Where necessary cut or core drill the paving slabs and reinstate.
- 6 Render neatly around bollard with non shrink grout, removing any grout residue.

## Foundations

Foundations must be to engineer's specification. Omos recommends a minimum cube size of 400mm.



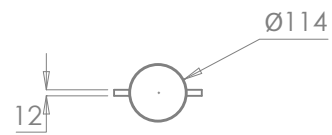
*Above, fixing details.*

# s26 RF Fixing Instructions

(for areas already paved)

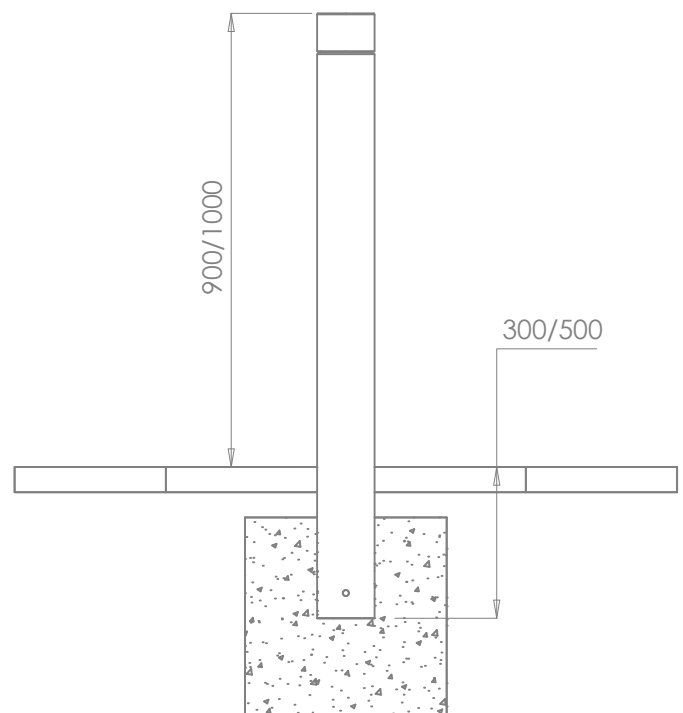
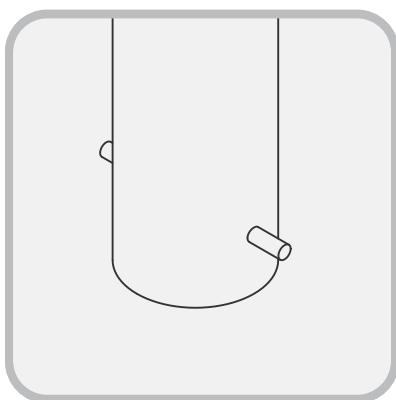
note: as an alternative to setting the bollard directly into the foundation, a plastic pipe may be set in the foundation allowing the bollard to be fixed at a later date.

- 1 Set out the position of the bollard/s.
- 2 Where the area has been paved remove sufficient pavers to facilitate excavation.
- 3 Excavate holes to engineer's specification.
- 4 Position bollard precisely ensuring correct position, height and plumb. Prop securely in position.
- 5 Back fill holes with concrete (35N20) leaving sufficient depth for paving slabs and bedding.
- 6 Once set remove props.
- 7 Where necessary cut or core drill the paving slabs and reinstate.
- 8 Render neatly around bollard with non shrink grout, removing any grout residue.



## Foundations

Foundations must be to engineer's specification. Omos recommends a minimum cube size of 400mm.



*Above, fixing details.*

# s26 Care and Maintenance Guidelines

The s26 bollard is constructed from galvanized steel and 316 grade stainless steel, materials which are highly corrosion resistant. The stainless steel has a satin or brushed polish finish. Despite the material's corrosion resistant properties some care is required to maintain a bright appearance.

The extent to which cleaning is required will depend on a number of factors including environmental conditions, construction activity and level of use.

## **Maintaining the painted galvanized steel**

The s26 lower section is finished in polyester powder, a plastic coating which is baked on prior to assembly. This is a highly durable finish which will last for many years. To maintain the original appearance of the metalwork it should be cleaned regularly using warm soapy water. Avoid the use of abrasive cleaners as they may damage the surface finish. Should the paint become chipped or scratched it can be touched up using acrylic based paint.

If the damage has penetrated the galvanized coating the area should be cleaned with a wire brush and a zinc rich primer should be applied prior to the top coat. For further advice contact Omos on + 353 45 899802.

## **Maintaining the stainless steel top**

Prior to shipping all our stainless steel has been passivated to ASTM A380 and ASTM 976 01-8.1 to ensure the highest standard.

Clean the stainless steel components using warm water with a mild detergent with a non abrasive cloth or sponge. Heavier stains may require the use of a nylon scouring pad. As a rule always start with the least severe method of cleaning as the use of scouring pads or scotch bright may result in altering the surface texture. In the case of a bead blasted finish, where abrasive cleaning is required, always use a random circular rubbing action.

In the case of brushed finishes the surface consists of uniform fine 'scratches' running in one direction so where abrasive cleaning is required always use a straight back and forward rubbing action in the direction of the grain. If you are in doubt as to which type of finish you are dealing with contact Omos for advice.

Rust spots or 'tea stains' can occur on the surface of the material, these are normally caused by contamination from ordinary mild steel, particularly in areas where construction work has been undertaken. Such stains can be removed using an abrasive pad as described above.

In cases where the surface is severely stained as a result of severe environmental conditions or scratched due to misuse, it may still be possible to restore the original finish. Contact Omos for advice on such issues.

There are many stainless steel polishes available to enhance the surface finish. Omos recommends 'Avesta Finishing chemicals' and can advise where to purchase.



*Right, s26 bollard detail.*