s36 Fixing Instructions

Foundations

Foundations must be to engineers specification.

Type 1 root fixed

1 Set out the position of the cycle stand/s.

2 Where the area has been paved remove sufficient pavers to facilitate excavation.

3 Excavate holes to engineer's specification.

4 Position cycle stand 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 cycle stand with non shrink grout, removing any grout residue.

Type 2 below surface flange

1 Cast foundation to engineers specification where cycle stand is to be located. The surface of the foundation must be level and finish 210mm +10mm, -10mm. Leave to fully cure.

2 Position the cycle stand in the desired location and mark hole positions.

3 Drill 12mm holes to a depth of 150mm, use M12 through bolts to fix (such as Hilti HSA M12 x 120).

4 Use shims if necessary to ensure the correct height and plumb. Tighten cycle stand in position.

7 Where necessary cut or core drill the paving slabs and reinstate.

8 Render neatly around cycle stand with non shrink grout, removing any grout residue.

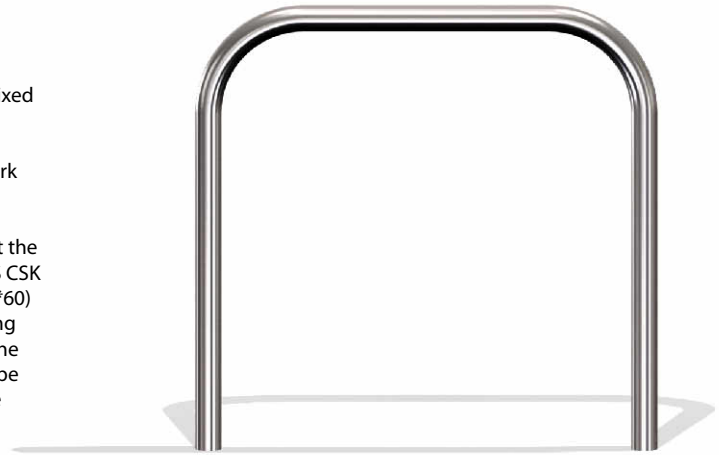
Type 3 above surface flange

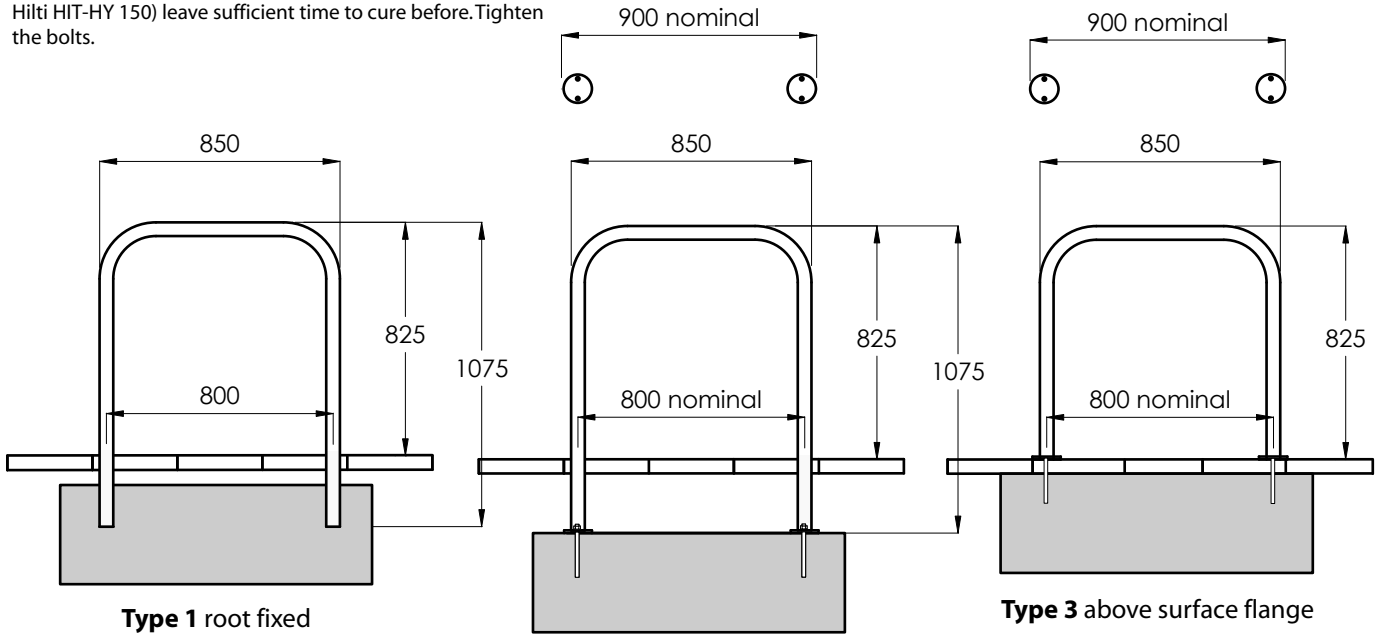
1 Ensure that the surface which the cycle stand is to be fixed to is of sufficient size and strength for this purpose.

2 Position the cycle stand 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 M12 SS CSK bolt, either a mechanical anchor (such as Hilti HSC-IR M12*60) or an internally threaded fixing designed for chemical fixing (such as Hilti HIS-RN M12xL [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. Reposition the cycle stand and screw in M12 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 before. Tighten the bolts.





Type 1 root fixed

Type 2 below surface flange

Type 3 above surface flange