



Chamber And Duct Systems

Carriageway Loop Chamber



Applications: Traffic Counting, Traffic Flow Monitoring, Automatic Vehicle Recognition, Car Park Access

The Carriageway Loop Chamber has been specifically designed to give roadside access to carriageway loop cables. It is manufactured from Ductile Iron to BSEN 1563:2011. It is designed to be installed in the carriageway adjacent to or offset from the kerb edge. Loop cables are slot cut into the loop box via four access slots.

The loop cables are fed through the box and into a 50mm or 100mm duct, which is positively connected to a spigot base. The cables are then fed under the kerb and into a footway access chamber via the connecting duct. This system offers many advantages to both designers and contractors.

Advantages

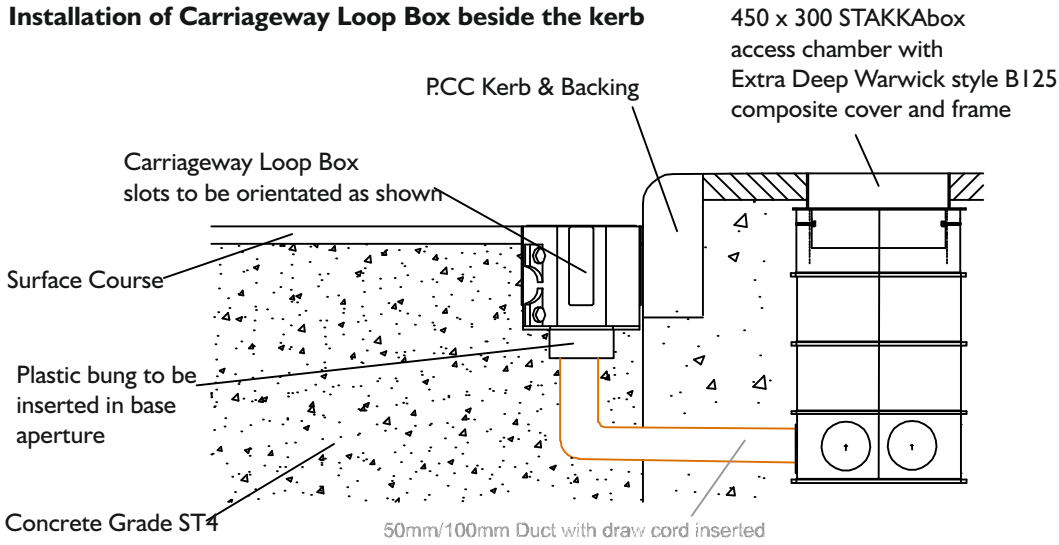
- ◆ D400 one piece non-rockable cover
- ◆ Octagonal shape allows easy core drilling
- ◆ Loop entry slots sealed with removable blanking plates
- ◆ Base spigot to secure 100mm or 50mm duct
- ◆ Side entry option for 50mm duct
- ◆ Ductile iron base with spigot plug ensures no duct blockages
- ◆ Multi-directional access (4 way)
- ◆ Can be installed offset or directly against the kerb
- ◆ Removes the need to slot cut through kerb



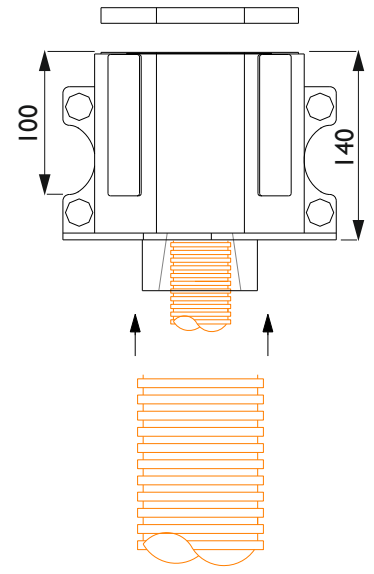


Typical arrangements:

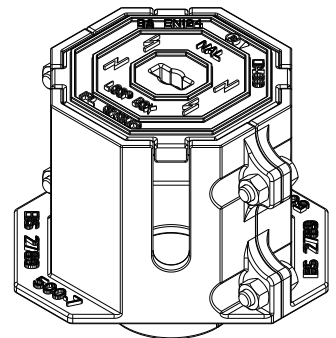
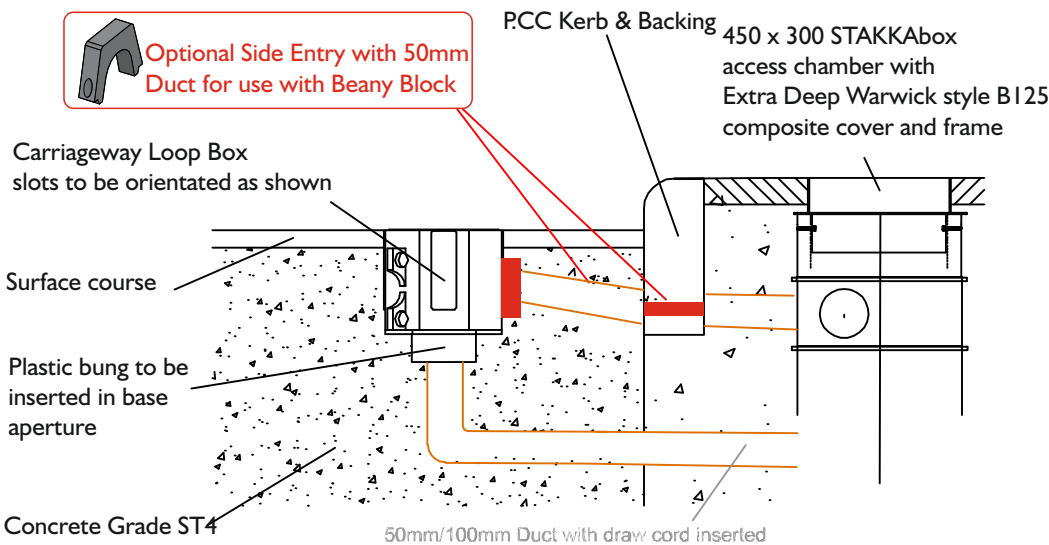
Installation of Carriageway Loop Box beside the kerb



Dimensions:



Installation of Carriageway Loop Box offset from kerb



Product Specification

Carriageway loop box to be Octagonal in shape with a minimum of 4nr cable entry slots

All Cable entry slots must be sealed when not in use by blanking plates

Loop Box must be supplied with a Ductile Iron base and base entry spigot to accept both 50mm and 100mm twin wall duct

Base entry spigot must be sealed with plastic plug or similar at all times

Loop cables must pass through base entry spigot seal to avoid debris entering the connecting duct

Cover to be one piece Ductile Iron with a minimum EN124 D400 loading

Material Specification

Base & Body: Ductile Iron to BS EN 1563:2011 (GGG50 – Din 1693)

Cover: One piece Ductile Iron to BS EN 1563:2011 (GGG50 – Din 1693), EN124 D400 loading

Slot Cover Plate: Glass Fibre re-enforced polymer

Assembly Screws: M12, A2 Stainless Steel Setscrew DIN 933

Weight: 10Kgs piece Ductile Iron with a minimum EN124 D400 loading