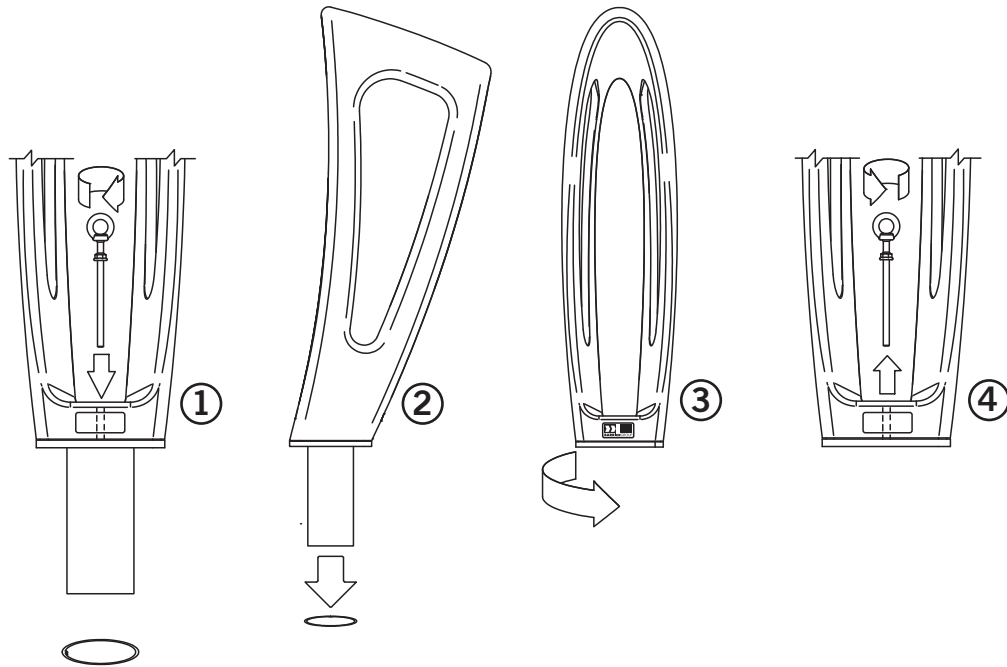


Removable Zephyr Locking & Unlocking Procedure: _____



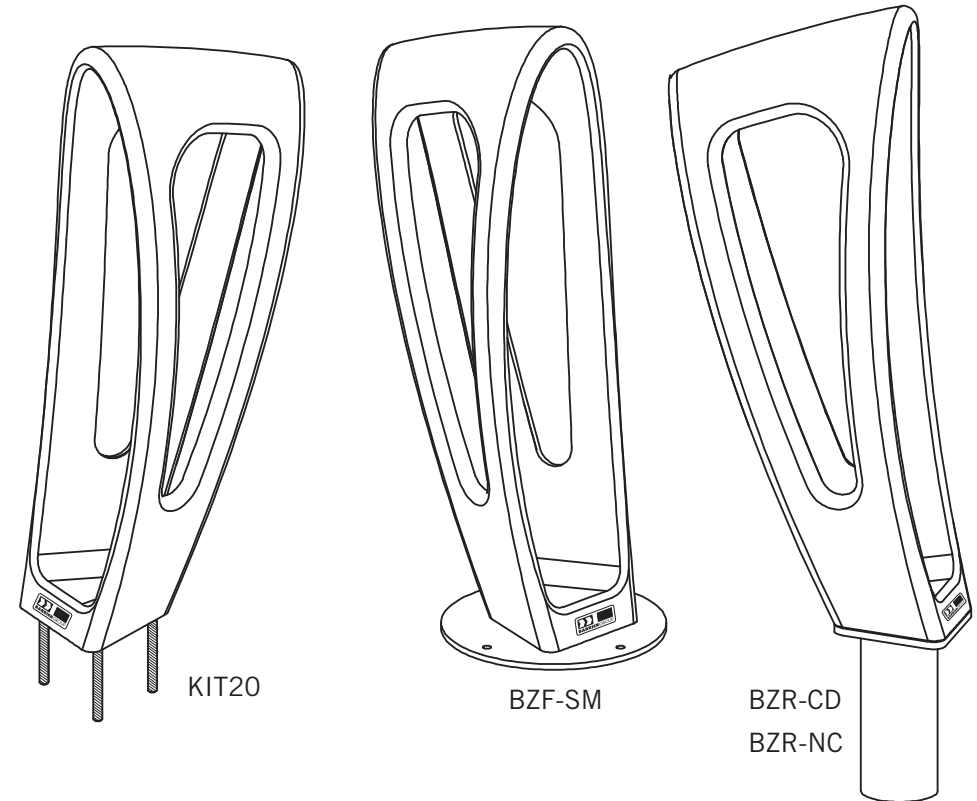
ZEPHYR

Installation Instructions



- Step 1:** Insert threaded locking key into hole in base of Zephyr and screw it in until it stops – The stem is now unlocked.
- Step 2:** Insert Zephyr into in-ground sleeve at 90 degrees to the left of front (the 9 o'clock position).
- Step 3:** Now rotate the Zephyr 90 degrees clockwise to the front (the locked position).
- Step 4:** Unscrew and remove the locking key – The stem is now locked.
Check that the Zephyr is locked and cannot be rotated.
- Note:** There will be a small amount of play, this is normal.

To remove the Zephyr follow these steps in reverse order.





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IP28 – Zephyr Installation Instructions © Copyright 2014

ZEPHYR MODELS		STEM KITS	
Polished Alloy Finish:	BZ-POL	Stud Anchoring:	KIT20
Stainless Thermoplastic:	BZ-TPP	Surface Mount:	BZF-SM
Custom Powder Coat:	BZ-CUS	Removable:	BZR-CD & BZR-NC

Stud Anchored Zephyr

Zephyr stud anchoring system is designed for use where the Zephyr is to be permanently installed in stone, tiled or concrete surfaces. The installation kit (KIT 20) comes with four M12 x 120mm stainless steel threaded studs and a polypropylene drilling template which doubles as a surface gasket. The studs are simply epoxied into holes drilled into the ground surface.

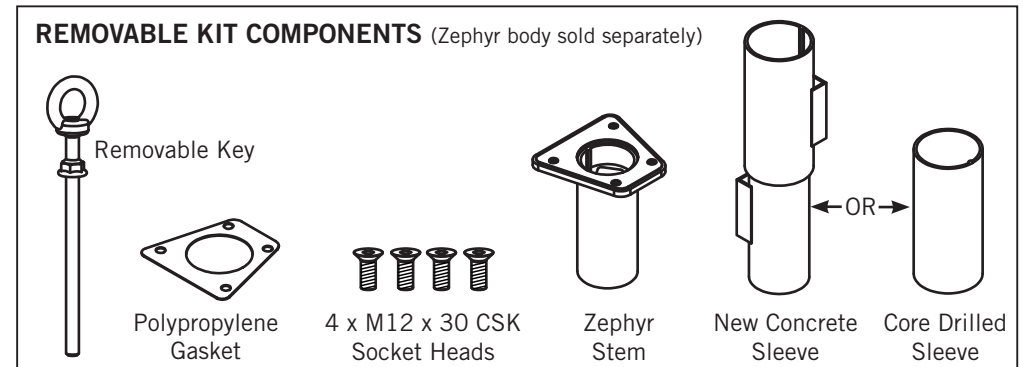
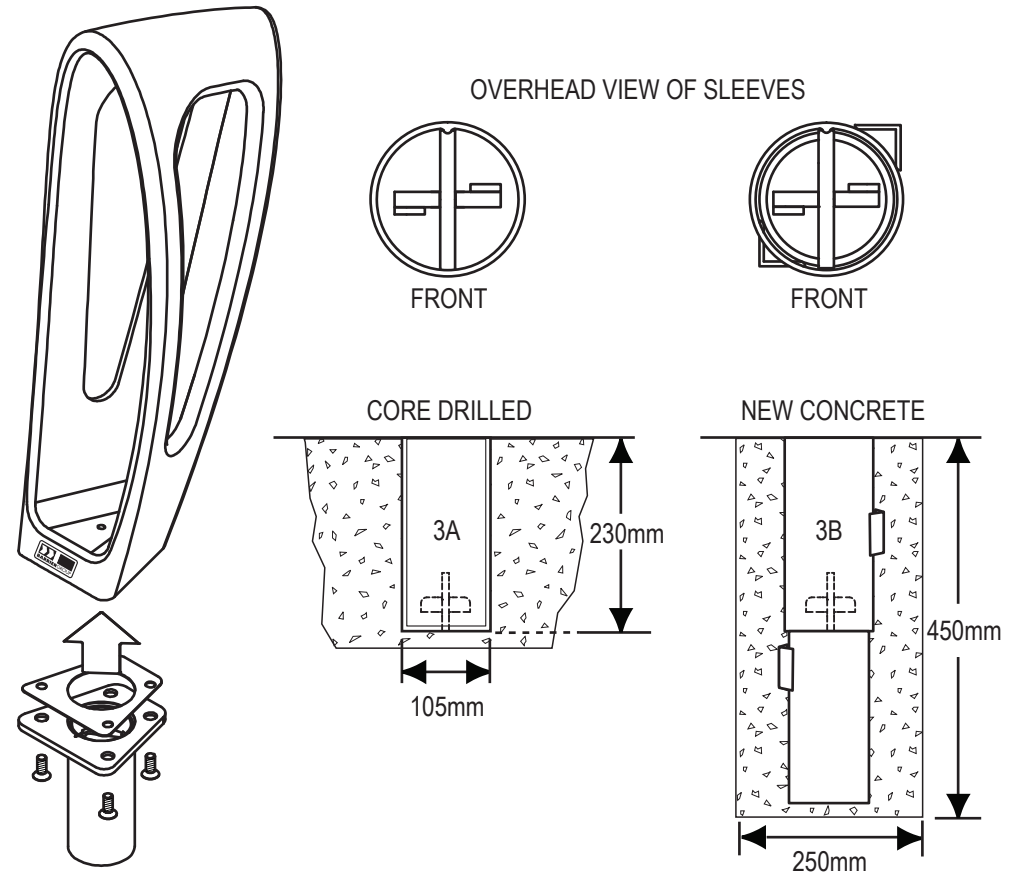
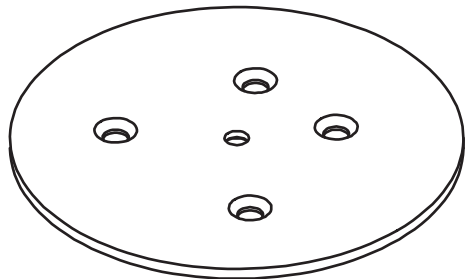
(See optional Dress Circle below).

Installation Procedure:

- Step 1:** Using the polypropylene gasket supplied with the fixing kit as a template set out the Zephyr as required.
- Step 2:** Drill four 18mm diameter holes 100mm deep and ensure they are clean and dry.
- Step 3:** Fill holes half way with a suitable injection epoxy adhesive system.
- Step 4:** Screw the 4 threaded rods supplied fully into the base of the Zephyr and place the gasket over them. Position the Zephyr into the drilled mounting holes and jiggle up and down to ensure threads are coated with epoxy. Allow epoxy to cure as per manufacturers specifications.

Dress Circle

The optional Dress Circle is available for use where Stud Anchored Zephyrs and Surface Mount Zephyrs are mixed together in the same installation and you wish to maintain a consistent look. The Dress Circle is a 298mm diameter x 8mm thick polished 304 stainless steel disc. It simply fits over the anchor studs prior to epoxying into the ground.



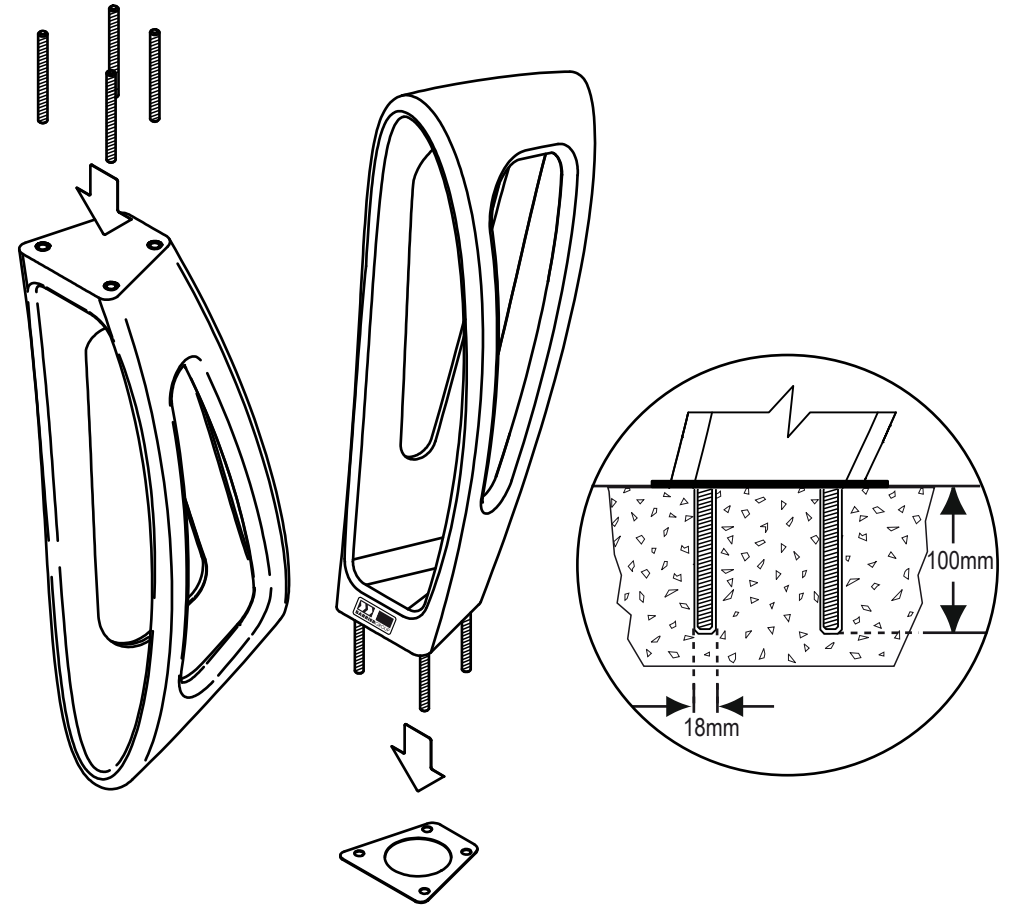
Removable Zephyr

For removable applications, the Zephyr stem locks into the in-ground sleeve but can be removed for occasional vehicle access or servicing operations. Kits are available for either core drilled or new concrete installations. Both stem and sleeve are hot dipped galvanised.

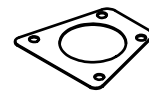
Installation Procedure:

- Step 1:** With the Zephyr upturned, position the gasket then the galvanised stem over the threaded inserts in the base of the Zephyr. Fix in place with the 4 countersunk fixings supplied.
- Step 2:** Set out the position of the Zephyr's as required and mark the centres onto the ground.
- Step 3A: Core drill sleeve** – Core drill a 105mm diameter hole 230mm minimum into the concrete and leave clean and dry. Using a suitable injection epoxy adhesive system apply adhesive to the outside of the sleeve. Insert the sleeve into the hole with the internal crossbar at the bottom of the sleeve pointing to the front (see alignment diagram on the opposite page). The top of the sleeve should be flush with the ground surface. Allow to fully cure.
- Step 3B: New concrete sleeve** – Dig a hole approximately 300mm square or 250mm round by 450mm deep. Position the sleeve in the hole so that the top is level with the ground surface and the internal crossbar is pointing to the front of the hole (see alignment diagram on opposite page). Ensure the sleeve is vertical then fill the hole around the sleeve with minimum 20mpa concrete. Allow to fully cure.

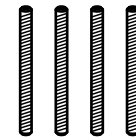
For locking and unlocking the removable Zephyr, see page 8.



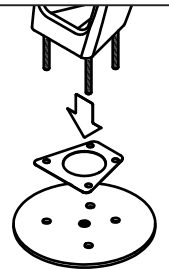
ANCHORING KIT COMPONENTS (Zephyr body sold separately)



Polypropylene
Gasket



4 x M12 x 120
Alt Thread



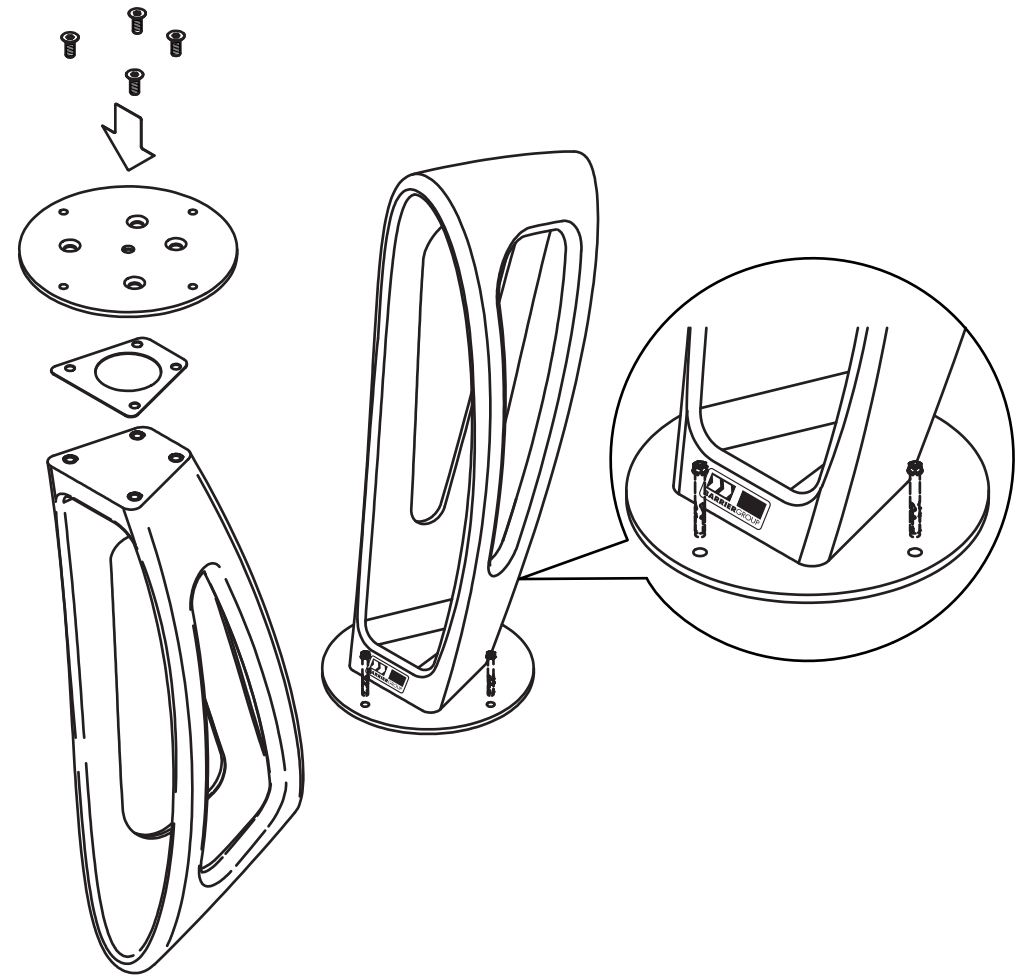
Dress Circle
(Optional)

Surface Mount Zephyr

The Surface Mount Zephyr is designed for mounting where the surface is not suitable for deep drilling such as timber decking or sensitive tiled areas. The base plate is a 298mm diameter x 8mm thick polished 304 stainless steel disc pre-drilled with 11mm mounting holes and fixings to attach it to the Zephyr body. (Note: ground fixings are not included).

Installation Procedure:

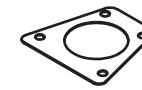
- Step 1:** With the Zephyr upturned, position the gasket then the stainless steel base plate over the threaded inserts in the base of the Zephyr. Fix in place with the 4 countersunk fixings supplied.
- Step 2:** Position the Zephyr as required and mark the 4 holes in the base plate onto the ground.
- Step 3:** Move Zephyr to one side and drill the 4 holes to suit your preferred fixings (Note: Due to variable installation surfaces these fixings are not supplied with the surface mount kit).
- Step 4:** Reposition Zephyr and fix in place.



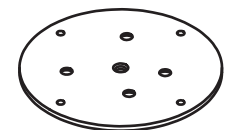
SURFACE MOUNT KIT COMPONENTS (Zephyr body sold separately)



4 x M12 x 30 CSK
Socket Heads



Polypropylene
Gasket



Surface Mount
Base Plate