

# Adjustable U-Cup Bolt Down

## GALVANISED & SS316

### Application

The Bremick® Adjustable U-Cup Bolt Down is used for locating posts onto existing concrete or decks. Accommodates square timber posts in 90mm, 100mm, 115mm and 125mm dimensions. Typically used during the construction of pergolas, carports, or verandahs.

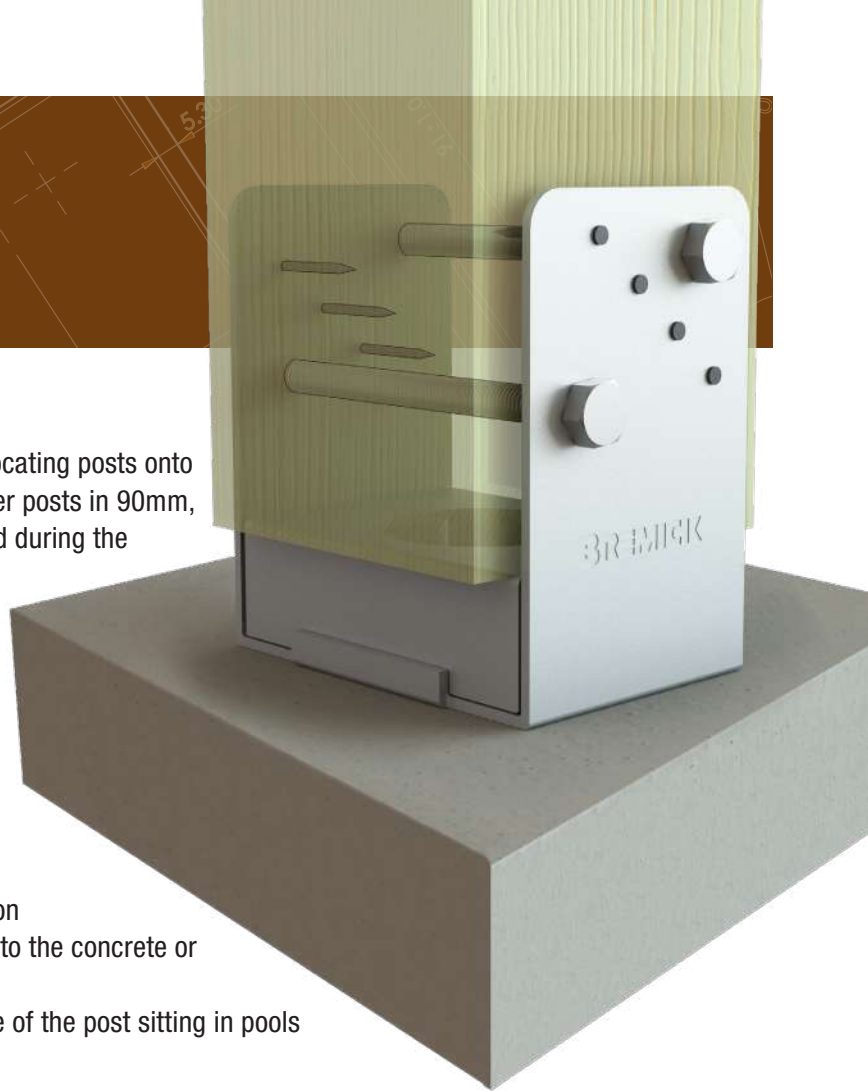
### Advantages

The Bremick® Adjustable U-Cup Bolt Down provides numerous benefits including:

- Hot dipped Galvanised coating or marine grade 316 stainless steel for long term protection against corrosion.
- 3mm thickness for extra strength.
- With knockout adjustable washer to facilitate position adjustment after the anchor hole has been drilled into the concrete or timber base.
- Timber post sits on bracket to help prevent the base of the post sitting in pools of water.

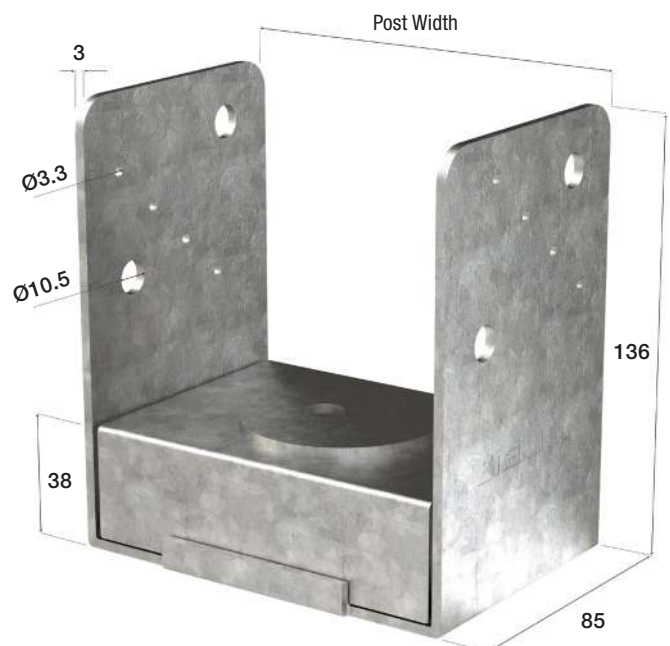
### Specifications

Steel Grade	G250
Coating	Hot Dipped Galvanised (HDG) Stainless Steel (SS316)
Thickness	3mm
Blade Height	136mm
Blade Width	85mm
Fasteners	M10 Bolts, Nuts and Washers
Posts	90mm, 100mm, 115mm, 125mm



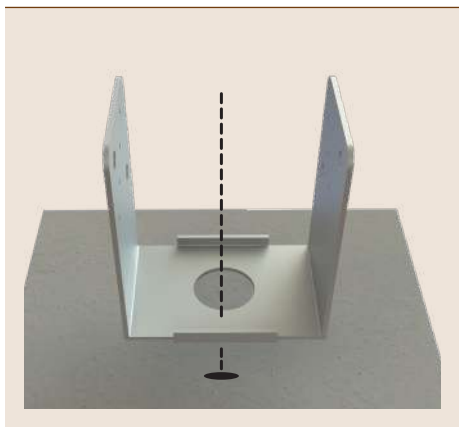
### Bremick® Ranging

Product Code	Suits Post	Coating	Pack Qty
PBAG090075304	For 90mm Post	HDG	6
PBAG100075304	For 100mm Post	HDG	6
PBAG115075304	For 115mm Post	HDG	6
PBAG125075304	For 125mm Post	HDG	6
PBA6090075304	For 90mm Post	SS316	4
PBA6100075304	For 100mm Post	SS316	4
PBA6115075304	For 115mm Post	SS316	4
PBA6125075304	For 125mm Post	SS316	4



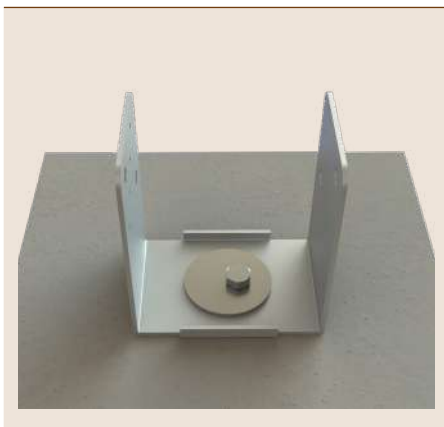
# Installation Instructions

1



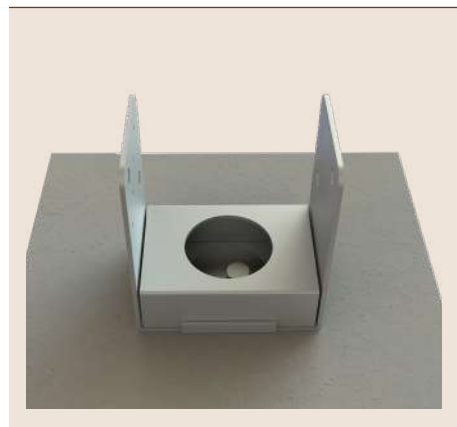
- Determine the centerline of the posts in both projection and width.
- Knock out the washer from the bracket and remove the bracket from the saddle.
- Place the post anchor back into position and make sure the post anchor is square to both the directions identified in step 1.
- Mark the hole location of the post anchor via the bolt hole in the knock washer whilst it is sitting in the base of the saddle
- Remove the post anchor and drill the hole where the mark is. A hammer drill works well. Drill to the appropriate width and depth to accommodate the appropriate Bremick concrete screw-in anchor. Suggested minimum screw embedment depth is 100mm.

2



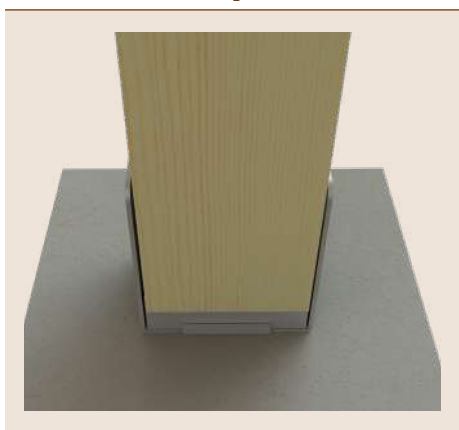
- Fit the washer over the pre-punched hole in the base of the saddle.
- With a spirit level make sure the post anchor is perpendicular to the patio or concrete slab. If not, washers can be used between the post anchor and concrete to level the post anchor.
- Place the concrete screw-in anchor through the holes in the post anchor base plate and into the pre-drilled holes.

3



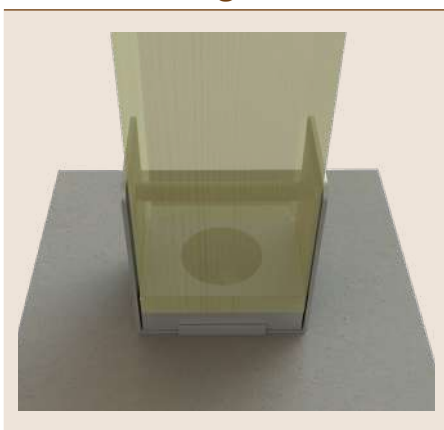
- Tighten the screw-in anchor down onto the face of the washer and ensure it pulls the post anchor firmly onto the concrete slab.
- Place cover plate over fasteners.

4



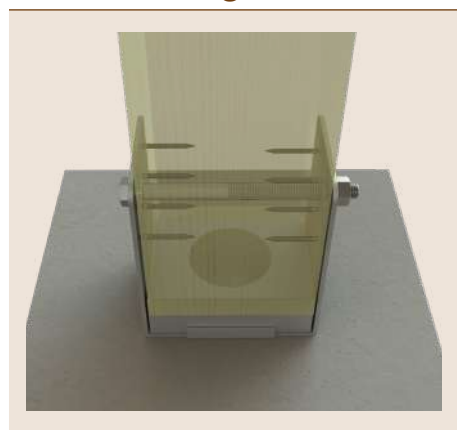
- Position the timber post into the post anchor saddle. Ensure the post bears onto the base of the bracket and is vertically plumb.
- Using the pre-punched nail holes, hammer 8 nails into the post, 4 on each side of the post support.

5



- Drill through the bolt holes located in the side of the post anchor to accommodate M10 bolts. Ensure the drilled holes are horizontally level and perpendicular to the saddle.
- If using coach screws, pilot drill to the length of the selected fastener. Then install coach screw. Alternatively fasten with 18G x 45mm construction screws.

6



- Feed the 2 x M10 bolts through the bolt holes and timber post. Locate washer and nuts onto the bolts and tighten. A minimum of 2 x thread pitch should extend beyond the outward surface of the nut.

# Technical Data

## POST SUPPORT ADJUSTABLE U-CUP BOLT DOWN

### LIMIT STATE COMPRESSION CAPACITY (ALL LOAD COMBINATIONS)

Table 1

Code	WIDTH (mm)	Nd,c (KN)
PBAG090075304	91	8.6
PBAG100075304	101	9.5
PBAG115075304	116	12.0
PBAG125075304	126	13.1
PBA6090075304	91	7.2
PBA6100075304	101	8.0
PBA6115075304	116	9.2
PBA6125075304	126	10.0

### REMARKS

No multiplying factors for structure category or load combination are to be applied.

Downward values applicable when:

- \* Stainless products.
- The post stirrup is sitting on a level surface and secure fixed in place.
- The timber post is securely bolted/coach screwed.
- The post is centred in the post stirrup.
- The post is sitting down snug into the post stirrup (no gap between stirrup and timber post).