



Overview

The UTBASE is used to mount either the [UT20](#) or [UT30](#) tower to a concrete pad, rock, or roof using any 3/4-10 stud. When compared with the [B18](#) base, the UTBASE is [more corrosion resistant](#) for use in corrosive or marine environments. The durability of the UTBASE makes the kit more expensive than the B18, but the UTBASE is less expensive to ship because of its size and weight.

Whereas the B18 requires the bottom tower section from a UT20 or UT30 to fixture while pouring the concrete, the UTBASE can be installed onsite before the tower arrives using

an optional template to hold the anchor bolts in place and potentially make it easier to pour the concrete. (The template is optional because it can be reused for the installation of multiple towers.) The UTBASE allows for small adjustments to be made after the concrete has cured to ensure that the tower is true/plumb.

If you use 3/4-10 concrete anchors in existing concrete and the concrete does not meet the recommended size of 0.91 x 0.91 x 1.22 m deep (36 x 36 x 48 in. deep), Campbell Scientific recommends the use of guy wires as well.

Specifications

Bolt Description	3/8-16 316SS bolts with black oxide 304SS nuts
Anchor Bolt Description	3/4-10 x 30.48 cm (12 in.) 316SS (The included anti-seize lubricant is used with these bolts.)
Connecting Tube	<ul style="list-style-type: none"> › 14.22 cm (5.6 in.) long, 3.81 cm (1.5 in.) OD x 0.64 cm (0.25 in.) wall 6061-T6 aluminum tubing › Three unique tubes (Tower tilts toward tubes marked 2 and 3.)
Clevis Description	<ul style="list-style-type: none"> › 6061-T6 anodized aluminum › 3/4-10 threaded for adjustable level on anchor bolts; no jam nut needed

Clevis Dimensions	10.8 x 3.81 x 5.33 cm (4.25 x 1.5 x 2.1 in.)
Template Description	<ul style="list-style-type: none"> › Three identical template pieces held together with 1/4-20 x 0.5 in. bolt › Re-usable template with 3/4-10 nuts › Anchor bolts are placed at 43.18 cm [17 in.] apart in the triangle.
Maximum Wind Load Recommendation	› 177 km/h (110 mph) without guy wires

› Assumes the following: 18 in. x 16 in. enclosure, 20 W solar panel, 2 ft crossarm, 6 in. x 9 in. rain bucket and mount,

pyranometer with mount, anemometer with mount, 9 in. radiation shield with mount, and 18 in. antenna with mount.

For comprehensive details, visit: www.campbellsci.com/utbase 



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