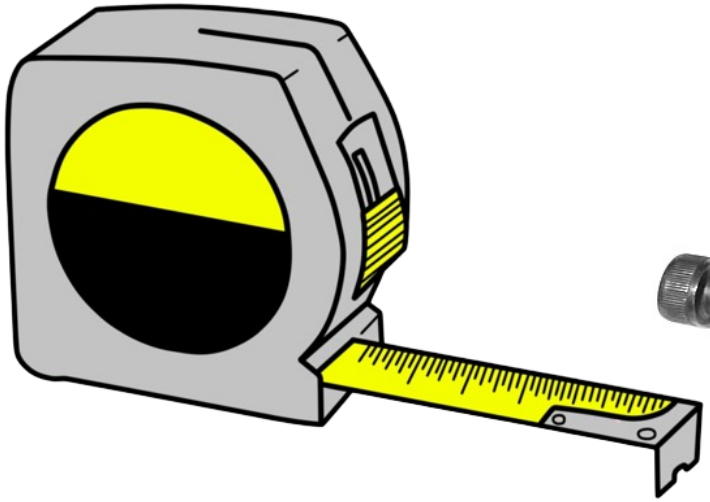
Determining the correct bolt length and type



IMPORTANT: Regardless of the information contained in this guide, it is the customers responsibility to check the dimensions of our products for compatibility with your bike BEFORE ordering. FastTT is NOT responsible for incorrectly ordered items.

For the purposes of this guide, we will presume that you are planning to install FastTT Aero Bars using either our Adjustable Angled Riser or Angled Wedges.

The Adjustable Angled Riser and Wedges perform the same purpose – the differences are angle range, adjustability and price. For Tri setups we recommend the Adjustable Angled Riser in order to achieve steeper bar angles and easy adjustment.

OPTION 1 - MOUNTING WITH THE ADJUSTABLE ANGLED RISER

There are two bolt directions for bolting on our aero bars; top-down and bottom-up.

IMPORTANT: You will need to check your bike to determine which method applies as it makes a difference to bolt selection.

Top-down **Bottom-up**

TOP-DOWN BOLTING

Determine the length of bolts required by taking the following measurements:

1. Depth of aero bar base (=4mm) +
2. Depth of bolt cavity in bottom riser block (=6mm) +
3. Total height of spacer stack +
4. Thread depth of base bar or bracket

= Bolt length

NOTE: In this configuration the mounting bolts are equal length.

BOTTOM-UP BOLTING

Add 5mm to the bolt length for the locking nut inside the bottom block. The bolts that affix the bars to the top block of the angled riser are supplied.

We stock a large range of long mounting bolts which are available in our webshop.

Top-down
(different bolt lengths)

OPTION 2 - MOUNTING WITH ANGLED WEDGES

IMPORTANT: Top-down is the ONLY option for bolting on our aero bars with wedges. If your bike only has bottom-up bolting, then you MUST use our Adjustable Angled Riser.

Determine the length of bolts required by taking the following measurements:

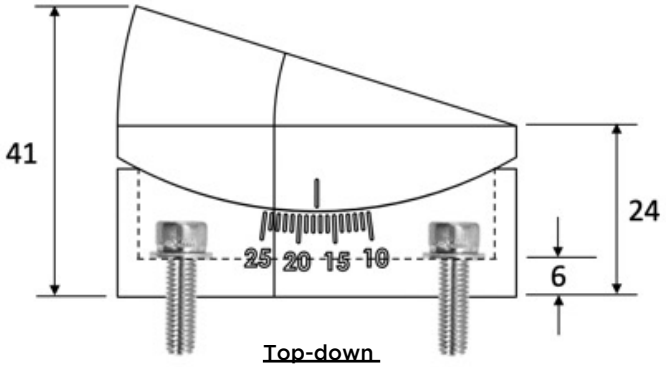
1. Depth of aero bar base (=4mm) +
2. Length of front and back of wedges where bolts fit +
3. Total height of spacer stack +
4. Thread depth of base bar or bracket
5. **= Bolt length**

NOTE: In this configuration the bolts are NOT equal length. For EACH SIDE there will be a longer front bolt and a shorter rear bolt. (Refer to KEY DIMENSIONS section for wedge dimensions.

When mounting with angled wedges you MUST use Countersunk (CSK) bolts.

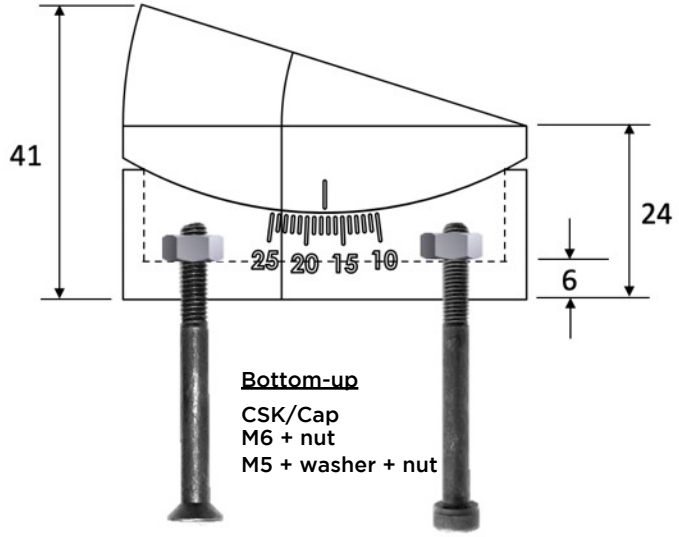
We stock a large range of long mounting bolts which are available in our webshop.

Key Dimensions - Adjustable Angled Riser



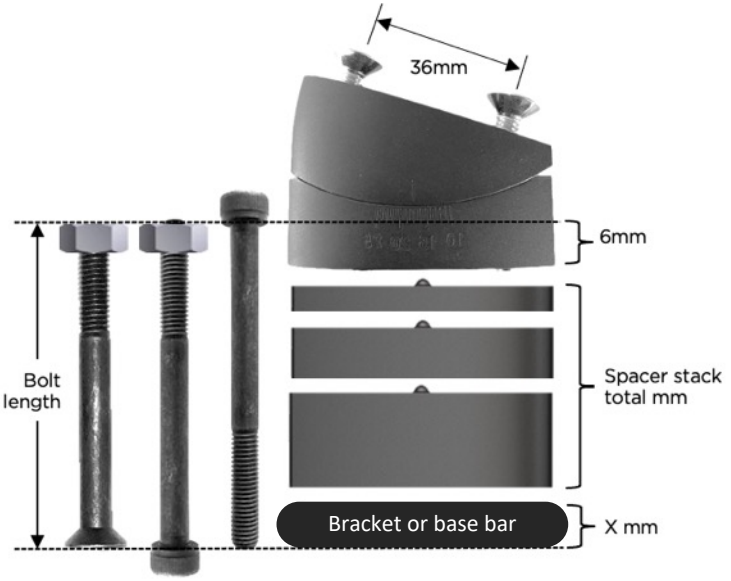
Top-down

- M6 cap screw no washer
- M5 cap screw + washer



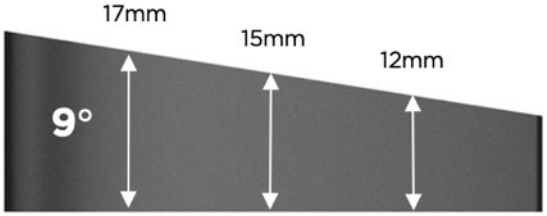
Bottom-up

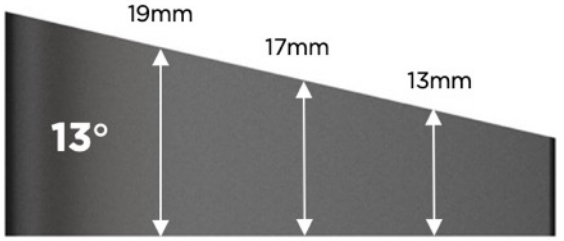
CSK/Cap
M6 + nut
M5 + washer + nut

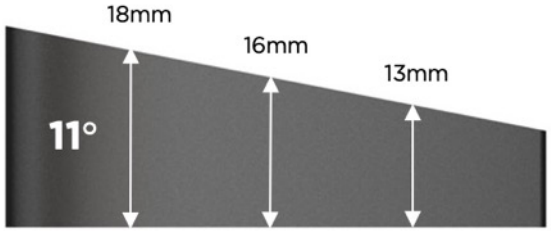


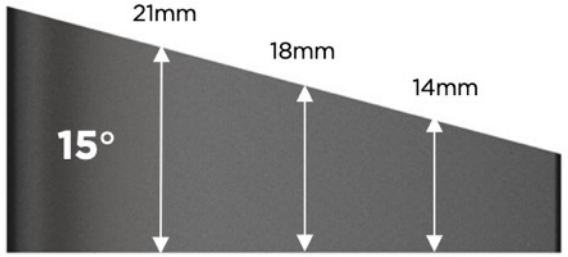
Adjustable Angled Riser
Key Dimensions

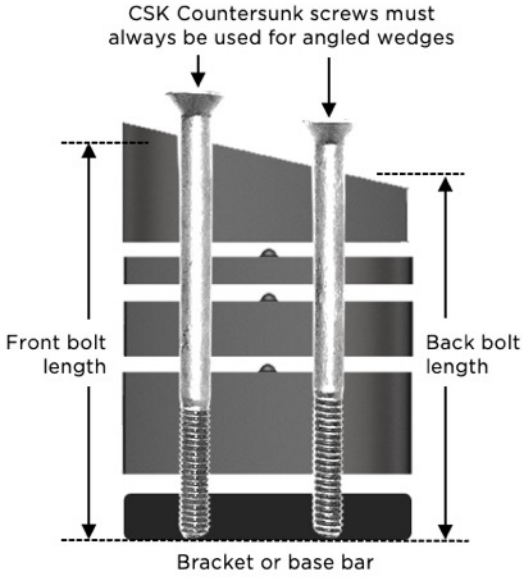
Key Dimensions – Wedges

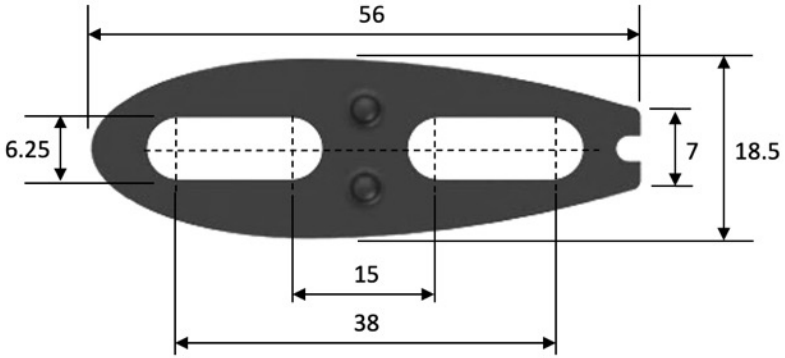








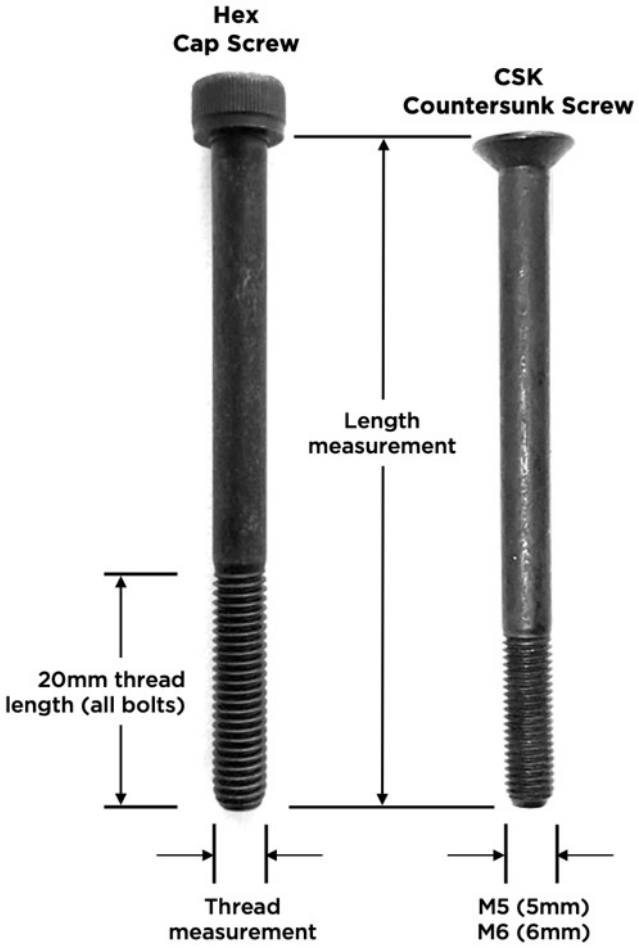




Determining Correct Bolt Type

There are two types of bolts used for mounting ***FastTT Aero Bars*** – Countersunk (CSK) or Hex Cap Screws. The two most common thread sizes for mounting are: M5 (5mm) or M6 (6mm). Bolts can be mounted from the ***top-down***, or from the ***bottom-up***, depending on what your base bar requires.

FOR BOTTOM-UP BOLTING: M5 or M6 CSK or Cap screws can be used, depending on the bolt arrangement of your bike. M5 must have a washer + nut, M6 only requires a nut. Locking nuts are required inside the bottom riser block (supplied with Adjustable Angled Riser).



Bottom-up
CSK or Cap screw
- M6 + nut
- M5 + washer + nut

Top-down
Cap screw only
M5 or M6