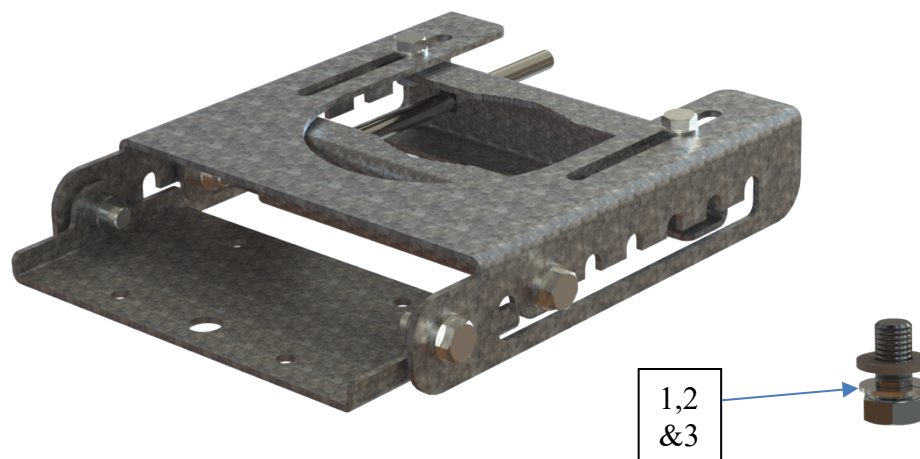


KA-9012-0002

INSTALLATION GUIDE TILT BRACKET

This document is a guide to Kaelus's recommended installation practices for Antenna mounting tilt bracket KA-9012-0002. This guide has been prepared for use by qualified installation team members having the responsibility for the correct installation.

PRODUCT DESCRIPTION



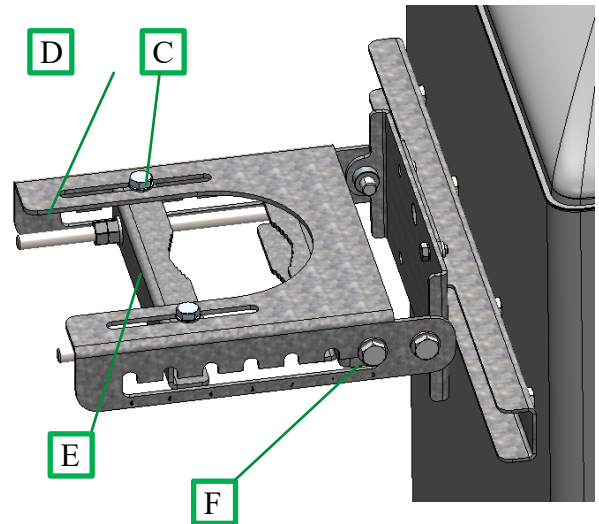
This is how the bracket will be delivered in the box.
Most bolts and washers will be mounted on their expected position but bolt 1., washer 2. and washer 3. These are included in the box in a zip bag.
These are the bolts which will be used to fixate the mounting bracket onto the antenna.
The same parts are used both for fixed tilt and variable tilt.
The bracket is designed for a tilt range of 0-6° on Kaelus antenna P6RQLUxx.
Pole dimensions supported: Ø50-155mm

Fixed 0° tilt (same proceed on both upper and lower bracket)

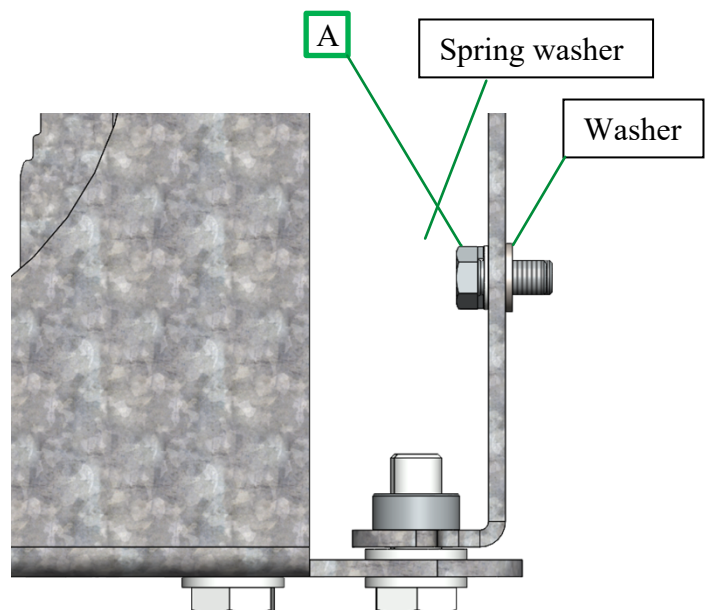
Tools required

- 19 mm sockets
- 18 mm sockets
- 17 mm sockets
- Torque wrench

1. Mount the bracket on the antenna bracket using the M8 bolts, washer and spring washer in pos (A) (4x per bracket). Pic 1.2.
2. Check so the bolt (F) is in position 0 and tighten with a torque of 34 Nm (25 lbf-ft).
3. Remove bolt (C), nuts (D) and clamp (E) in pic 1.1
4. Mount the antenna in desired mast position and remount the clamp (E) and nuts (D). Tighten with a torque of 34 Nm (25 lbf-ft).
5. Mount the 2 pcs bolts (C) and tighten with a torque of 34 Nm (25 lbf-ft).



Pic 1.1



Pic 1.2

Setting tilt angle

If a tilt angle is desired follow the steps below.
It can be done for both up and down tilt.
Inclinometer can be helpful.

Down Tilt

1. Loosen bolt (A) on both upper and lower bracket.
2. Remove bolt (C) on the upper bracket.
3. Loosen bolt (F) on both upper and lower bracket.
4. Set desired tilt 1-6 on upper bracket. Every step is approx. 1° . Check angle change with an inclinometer for exact change.
5. Tighten the bolts (C) and (F) with a torque of 34 Nm (25 lbf-ft).

Up tilt

1. Loosen bolt (A) on both upper and lower bracket.
2. Remove bolt (C) on the lower bracket.
3. Loosen bolt (F) on both upper and lower bracket.
4. Set desired tilt 1-6 on lower bracket. Every step is approx. 1° . Check angle with an inclinometer for exact change.
5. Tighten the bolts (C) and (F) with a torque of 34 Nm (25 lbf-ft).

