Installation Instruction for CMAX-DMF4-43-WI53-O Antenna

CMAX-DMF4-43-WI53-O

Document Number: **M0153ATA**
Document Revision: **0**

Date: **March 2026**

Andrew Wireless Systems GmbH, 03-March-2026

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LIST OF CHANGES

Version	*Changes*	*Release Date*
M0153ATA	first release	03-March-2026

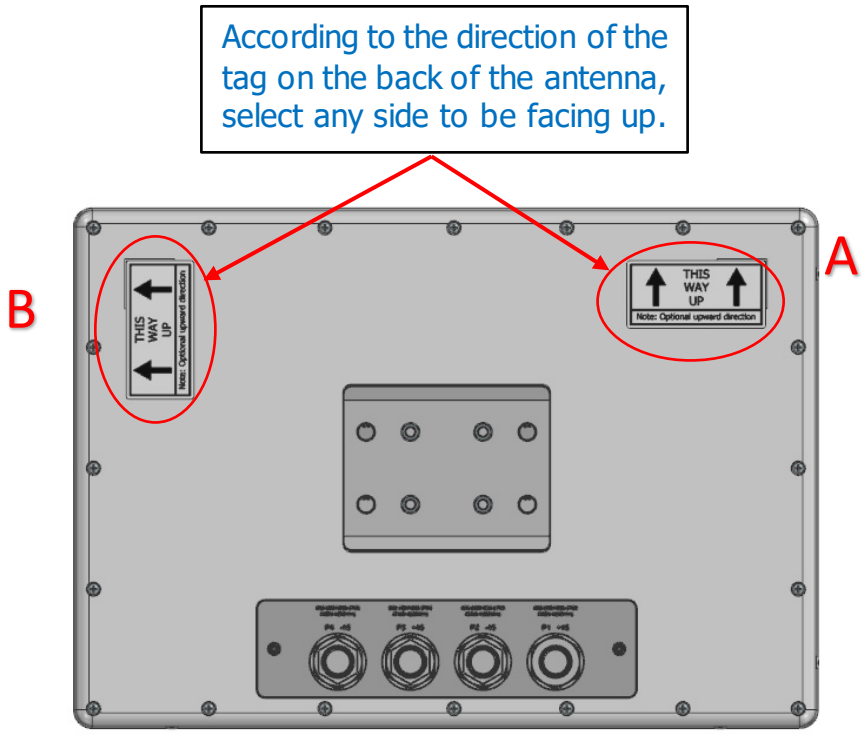
1. Installation

1.1. Important Installation Information

- Please read the complete description before starting the installation.
- Be sure that connectors are properly sealed from water if no cables are connected to them after installation.
- Tools required: Wrenches, width 10 mm.

1.2. Preparations and Mounting Direction

Before installing the antenna, ensure the upward orientation of the antenna is determined first, followed by the correct installation of the bracket as illustrated in the figure below.

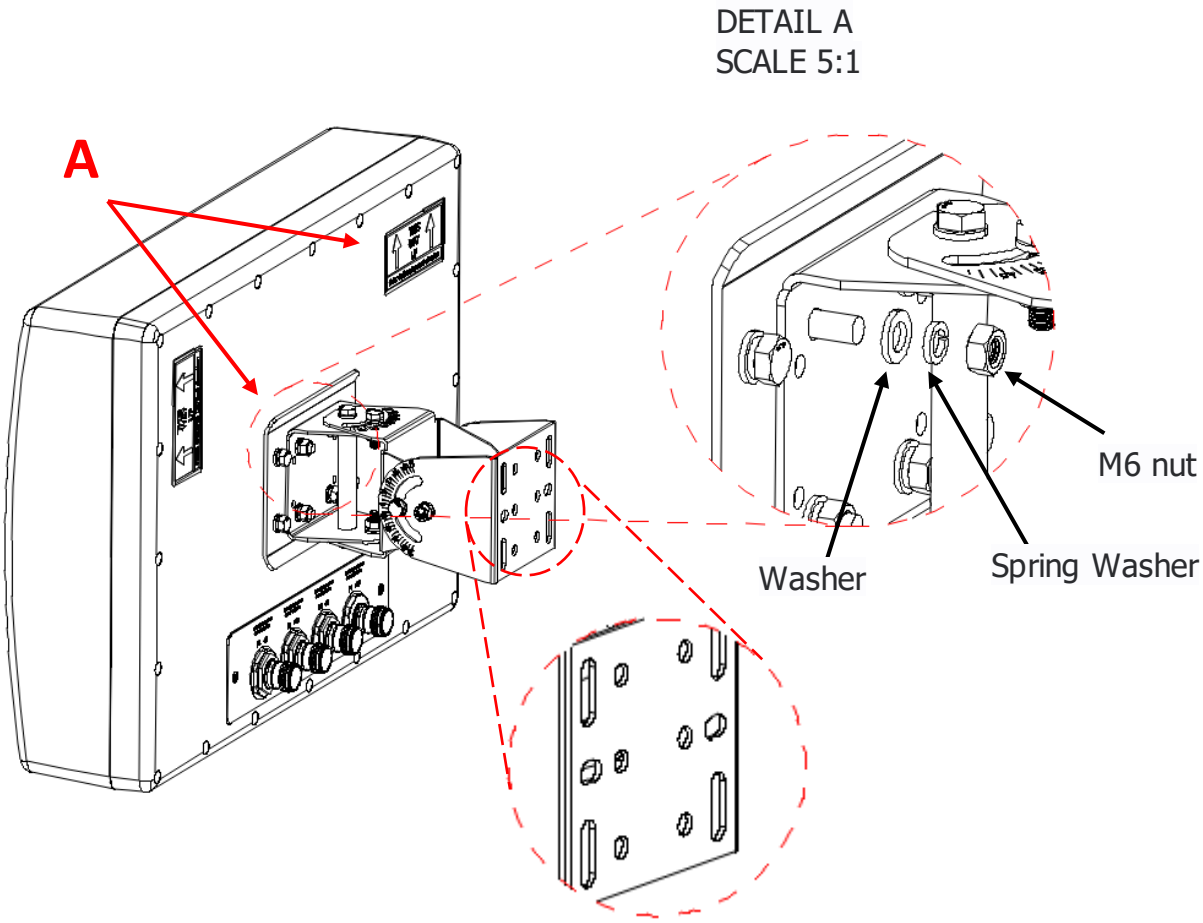


Antenna back view

Depending on the mounting direction, continue with either chapter *1.2.1* for installation Mode A or chapter *1.2.2* for installation Mode B.

1.2.1. Mode A

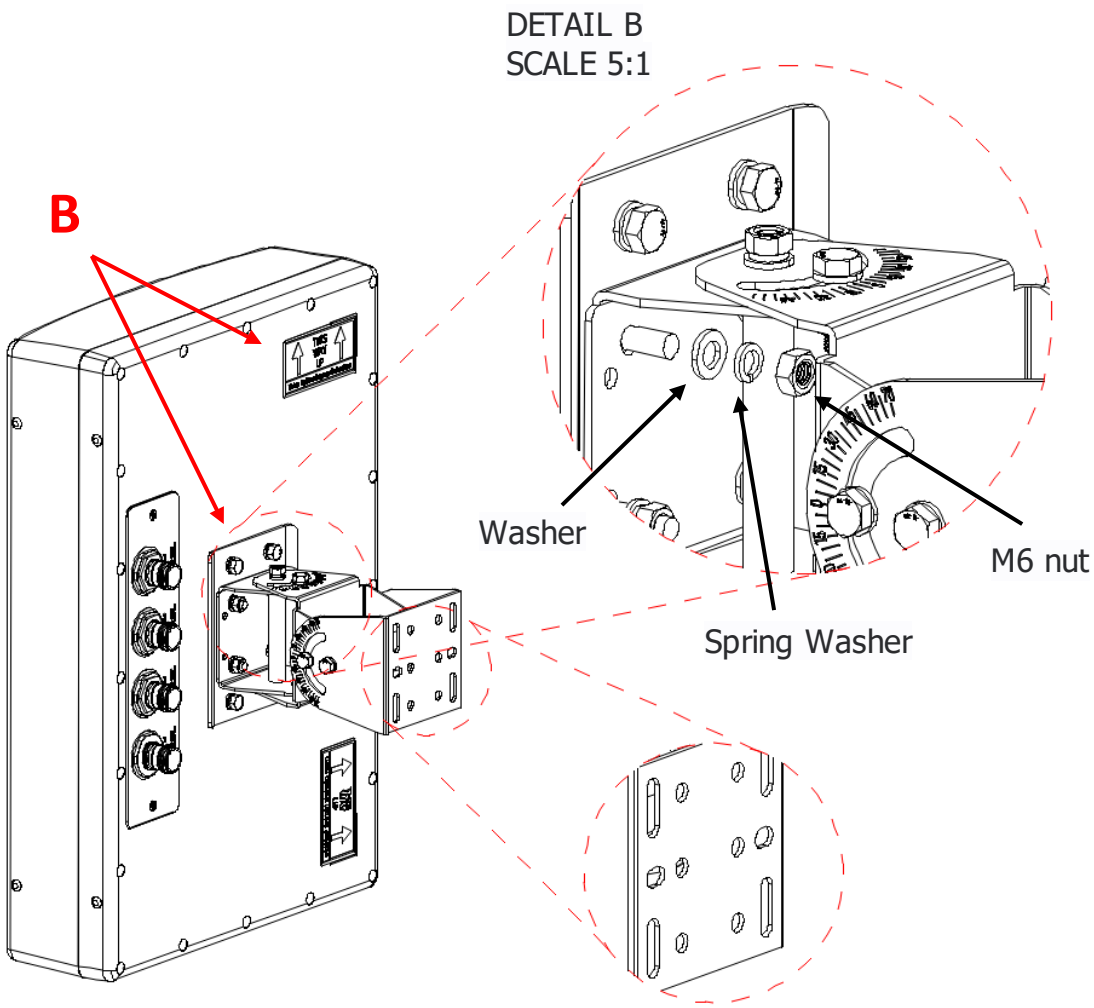
If the antenna is mounted with the arrows marked A facing up, proceed as follows:



Attach antenna and fasten it with washers and M6 nuts (M6 torque: 10 Nm):

1.2.2. Mode B

If the antenna is mounted with the arrows marked B facing up, proceed as follows:

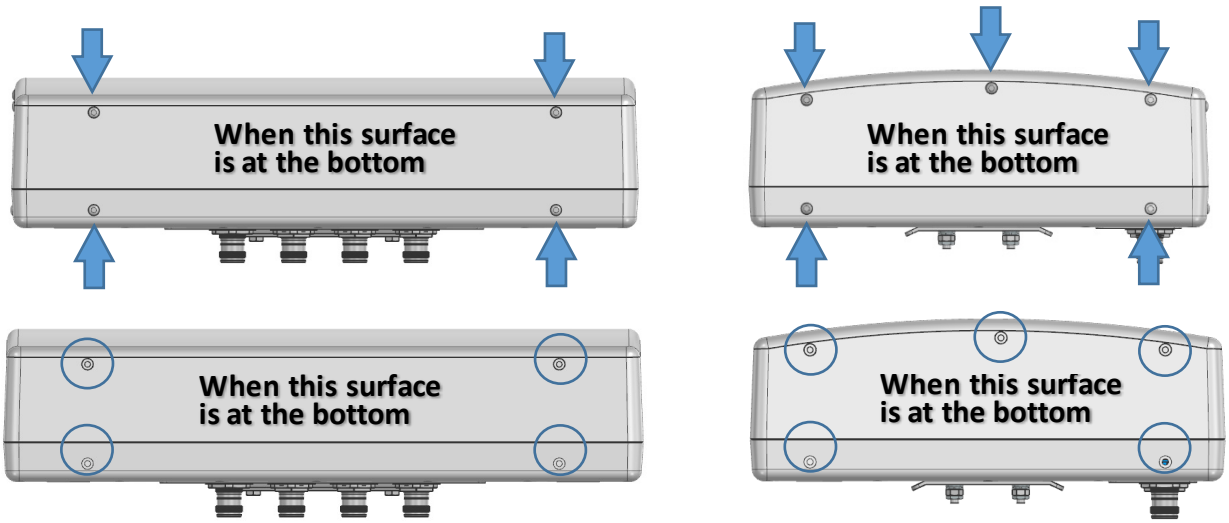


Note: the hole in the bracket, facing up.

Attach antenna and fasten it with washers and M6 nuts (M6 torque: 10 Nm):

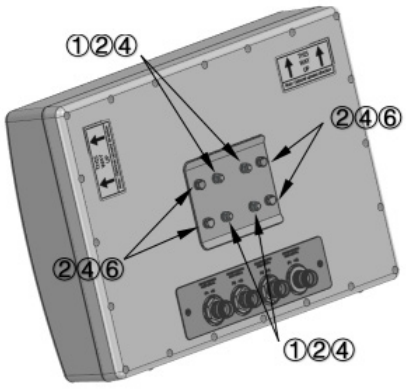
The antenna has drainage holes at the bottom to drain the water from inside the antenna (e.g. due to condensation caused by high temperature differences). To achieve this, the indicated mounting direction also ensures that they face downwards.

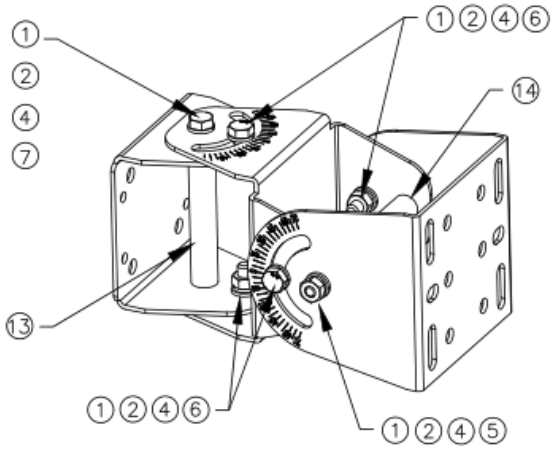
For shipping, the drainage holes are covered by plastic rivets which **must be removed for outdoor use** (i.e. environments where high temperature differences can be expected) at the bottom of the antenna. For their removal, a knife or a flat screwdriver can be used. The arrows in the figure below indicate their locations:

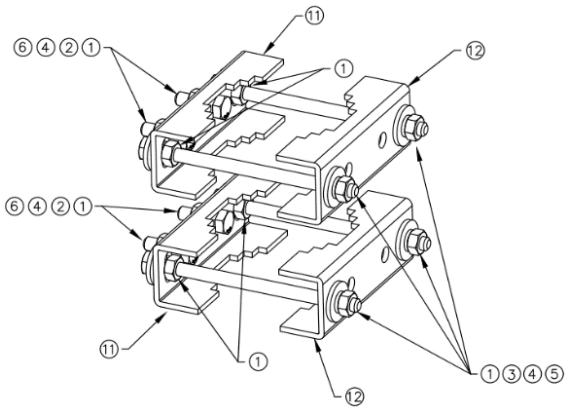


1.3. Mounting Equipment

S/N	Name/Spec	Qty
A	Antenna	1
B	Mounting bracket	1
C	Installation parts	1

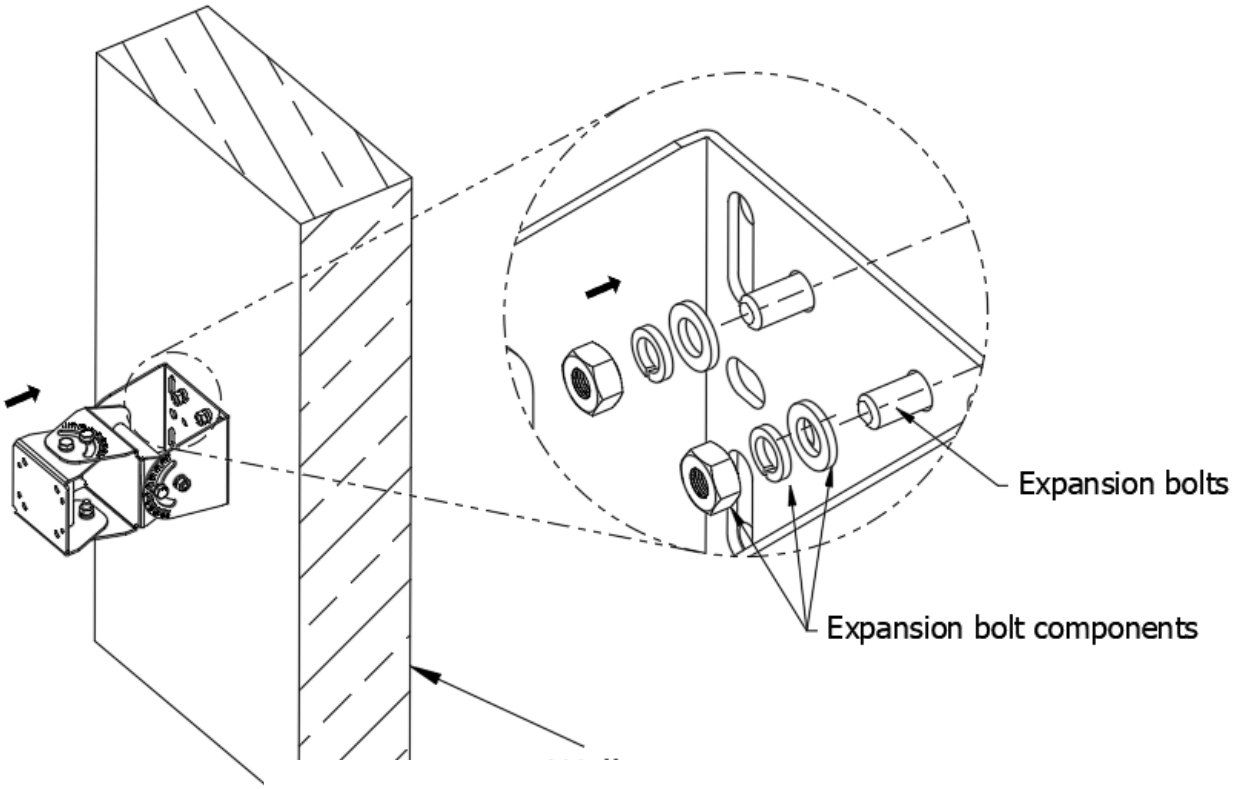
List of fasteners used on the back of the antenna			
A	S/N	Name/Spec	Qty
	①	304 stainless steel nut(M6)	4
	②	304 stainless steel washer(M6)	8
	④	304 stainless steel spring washer (M6)	8
	⑥	304 stainless steel bolt (M6*20)	4

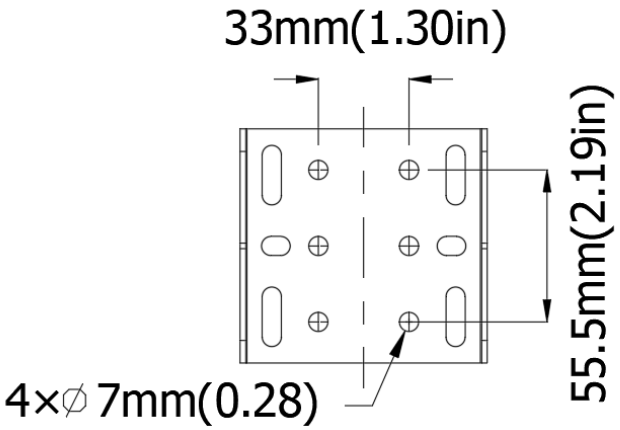
Mounting bracket fasteners list			
B	S/N	Name/Spec	Qty
	①	304 stainless steel nut(M6)	6
	②	304 stainless steel washer (M6)	12
	④	304 stainless steel spring washer (M6)	6
	⑤	304 stainless steel bolt (M6*100)	1
	⑥	304 stainless steel bolt (M6*20)	4
	⑦	304 stainless steel bolt (M6*90)	1
	⑬	304 stainless steel pipe (Ø12*70)	1
	⑭	304 stainless steel pipe (Ø12*80)	1

Installation parts list			
C	S/N	Name/Spec	Qty
	①	304 stainless steel nut (M6)	12
	②	304 stainless steel washer (M6)	4
	③	304 stainless steel washer big (M6)	8
	④	304 stainless steel spring washer (M6)	8
	⑤	304 stainless steel bolt (M6*100)	4
	⑥	304 stainless steel bolt (M6*20)	4
	⑪	304 bolt plate 1	2
	⑫	304 bolt plate 2	2

1.4. Wall Mounting

To mount the antenna to a wall (pole mounting see next chapter), proceed as follows:





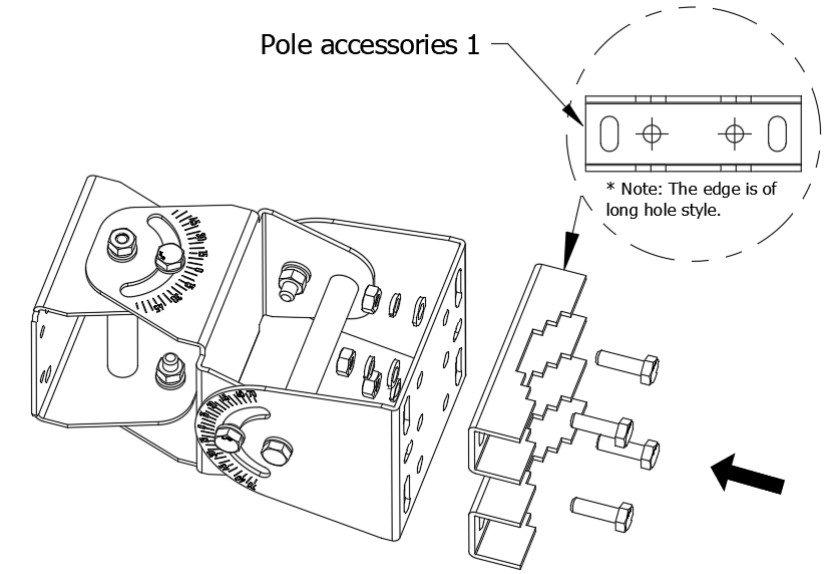
1. Mark 4 holes onto the wall as shown in the drawing above.
2. Drill four holes into the wall and insert appropriate expansion bolts into the holes.
3. Attach the antenna pedestal

Note: Expansion bolt parts have to be provided by the user.

1.5. Pole Mounting

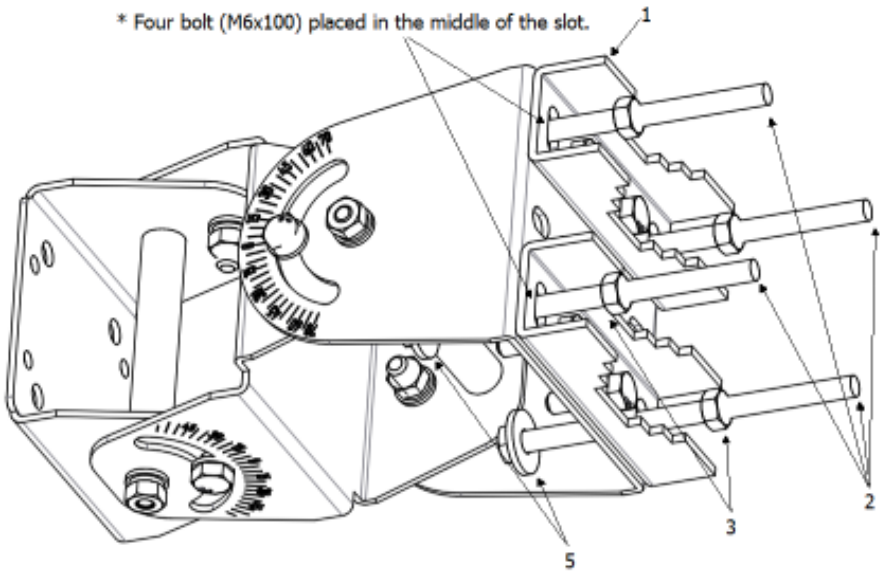
Alternatively, a pole-mounting kit can be ordered separately from the supplier. The recommended pole diameter for this mounting kit is 35 - 60 mm. To mount an antenna to a pole using this kit, proceed as described in the following:

1.5.1. Preparations



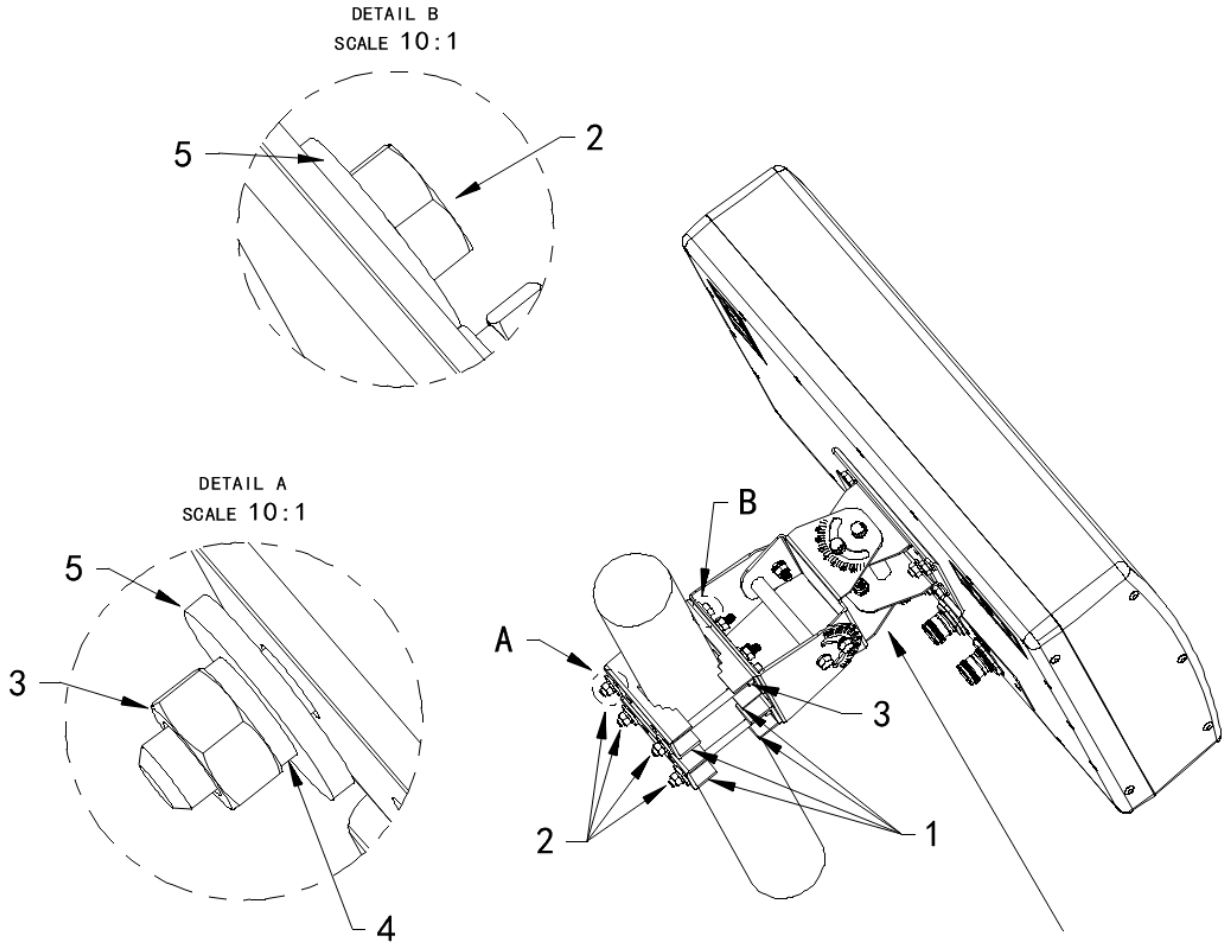
1. Install the two splints on the main body of the support and install them in the front direction of the picture with four M6*20 screws, flat pads, shrapnel and nuts.
2. Tighten the four M6 nuts observing the specified torque of 10N.m.

1.5.2. Inserting bolts



Insert four M6x100 bolts (2) and four filled-corner washers (5) into the antenna mounting bracket, then tighten the four M6 nuts (3), four M6x100 (2) placed in the middle of the slot.

1.5.3. Mounting the antenna

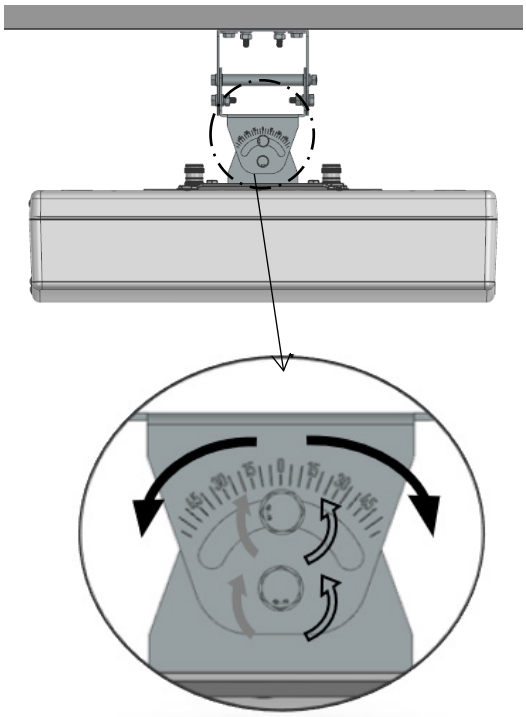


1. Insert the pole mounting bracket into the four bolts (2) and place the filet & spring washers (4 & 5) and the M6 nuts (3) over each bolt.
2. Tighten the four M6 nuts observing the specified torque of 10 Nm.

Note: (5) is a gasket M6*18*2mm (screw specification * outer diameter * thickness).

1.6. Angle Adjustment

1.6.1. Azimuth Angle

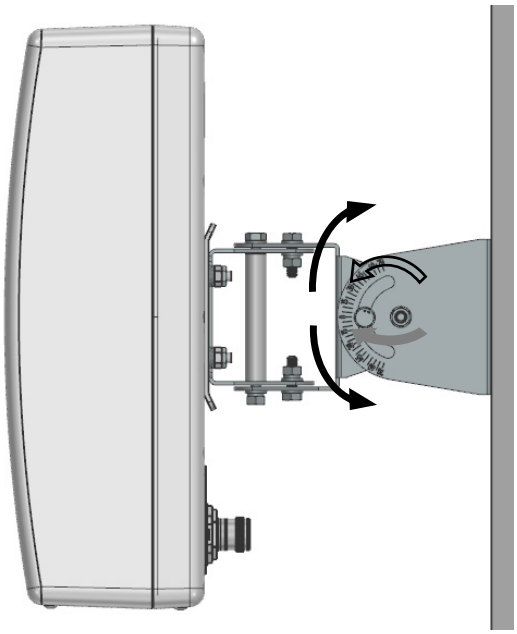


1. Loose the three fixing screws at the top and bottom side. (Do not unscrew them completely.)

2.Adjust your desired angle. The complete antenna pedestal can be swivelled to the left- / right-hand side by up to 40º.

3.Tighten the fixing screws.

1.6.2. Elevation Angle



1. Loose the three fixing screws at the left- and right-hand side. (Do not unscrew them completely.)

2.Adjust the Angle you want. Complete antenna Rotatable base Up/down Rotation Angle up to 45°.

3.Tighten the fixing screws.

2. Contacting ANDREW

The following sections tell you how to contact ANDREW® for additional information or for assistance.

2.1. Technical Support

The following section tells you how to contact the ANDREW Technical Support team. Support is available 7 days a week, 24 hours a day.

Telephone Helplines

Use the following Helpline telephone numbers to get live support, 24 hours a day.

24X7	+1 888-297-6433 (Toll free for U.S. and Canada)
EMEA 8:00-17:00 (UTC +1)	+ 800 73732837 (Toll free for parts of EMEA and Australia)
	+ 49 909969333 (Toll charge incurred)
	Calls to an EMEA Helpline outside of the 8:00 to 17:00 time frame will be forwarded to the 24x7 Helpline.

Online Support

Click the link below or scan the QR code to the right to submit tickets using the online Technical Support Form.

2.2. Waste Electrical and Electronic Equipment Recycling

In alignment with our commitment to the Waste Electrical and Electronic Equipment (WEEE) Directive, we design and manufacture our products with sustainability as a priority. We are dedicated to supporting responsible end-of-life disposal and recycling practices, which help reduce environmental impact and promote a circular economy.

To learn more, scan the QR code to the right or click the link below:

https://www.andrew.com/sustainability/environment/weee/

2.3. Technical Training

1. To access training on the online technical training site, please click https://www.andrew.com/support/training/ or scan the QR code to the right:
2. From here you can see course catalogs, training calendars, and visit the training portal that lets you register for online and instructor-led courses and take online courses.
3. Instructor-led courses are conducted in North America and Europe. Before choosing a course, please verify the region.
4. For training related questions, please contact us:
   icn_training@andrew.com

2.4. Accessing User Documentation

1. Access to the Customer Portal requires a user account. If you don't have an account:
   - Visit My ANDREW at https://www.andrew.com/membership or by scanning the QR code to the right.
   - Click “New user registration” and follow the prompts.
   - After you have registered in My ANDREW, click the **Request access** button for the **Customer Portals**.
   - After having done the request, it might take several days to get approved. Then, you can select the **Indoor Wireless Resource Center for ANDREW** from the list of applications.
2. To go directly to the portal, where you can access the DAS-user documentation, scan the QR Code to the right.
   Alternatively, visit My ANDREW (see above) and use the **Indoor Wireless Resource Center for ANDREW** application.
3. In Tools and Documentation, search by product, document category, or title.
4. Click on the title of any document to open it.

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