

# MegaLoop

## Rigid Loop Version

### Assembly instructions

(please, read carefully before installation)



#### Safety note

Attention: risk of injury

For shipping purposes, the receiving element of the 80cm loop has been compressed and banded together putting it under mechanical tension.

The red band that holds the loop compressed should be removed last after the other bands have been removed. Press the loop together while removing the red band to avoid it springing apart too quickly which could be dangerous.

#### Please note:

The receiving element and the supporting rod are made of extruded aluminum profile (aluminum alloy AlMgSi0,5). Due to manufacturing and shipping, there will always be slight scratches and spots which do not constitute a reason for complaint and have no influence on reception.

All fixing elements are made of stainless steel.

Although the extruded aluminum profile is specified as salt-water resistant and non-corroding, we do not recommend to expose it to a salt-water environment or otherwise polluted areas.

When used as an outside antenna, over time, there will be a grey coating on the loop which, however, does not impede the function of the antenna.

Assembling the antenna (cf. diagram overleaf)

1. For bend protection, all fixings elements are fastened to the upper eyebolt.
2. Unscrew all fixing elements and check completeness:
  - 1x ringbolt M5x30mm stainless steel Zahnscheibe
  - 2x washers D20mm M5 stainless steel
  - 3x lock washers M5 stainless steel
  - 2x wing nuts M5 stainless steel
1. Screw the Middle fitting at the top M5 grub screw of the active antenna part.
2. First place a lock washer over the M5 grub screws to the right and left of the antenna and then fasten the loop to the M5 grub screw with the wing nuts.
3. Attach the supporting rod in the following order:
4. eyebolt, lock washer, washer, loop, washer and supporting rod with M5 internal thread.

The standard version of the antenna is made for suspended installation with the eyebolt as suspension point.

#### Mast mounting

For mast mounting, it is vital to attach the active element to the mast with its upper and bottom side because otherwise there will not be sufficient stability in case of heavy winds.

For this purpose, an optional two-point mast mounting set is available, which is not included.

#### Additional upper mast-mounting set (optional)



#### Additional lower mast mounting set (optional)



#### Grounding

When erecting the antenna outdoors, it should always be grounded for lightning protection. Via the supporting rod, the loop is connected galvanically to the BNC connector.

Reception will not be impeded and immunity to E-field components is enhanced.

In addition, disconnect the antenna from connected devices when it is not in use, or the operator is not present, when using transmitting antennas in the near vicinity or when there is danger of imminent thunderstorms.





For damage or injury caused by not following the safety instructions and installation notes, any liability is excluded!

# Assembly

