Reducing Spiderbeam Lateral Motion in the Wind

Usually, problems of slippage are caused by the user not properly installing the Center Hub. Before taking any additional (optional) steps, please make sure that the Center Hub is mounted properly.

Normally it is not necessary to take additional steps, but if your QTH has a lot of strong winds, it is advisable to take additional steps to help prevent the Spiderbeam's Center Hub from rotating on the mast (Standpipe).

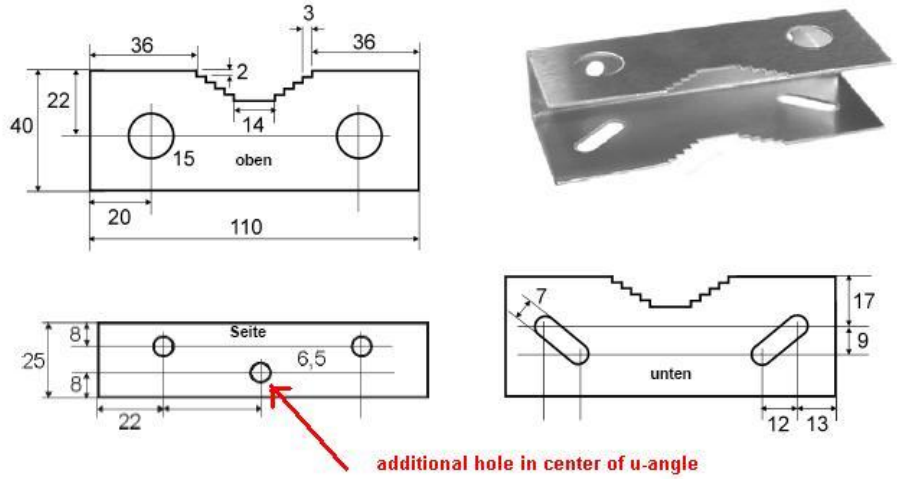
Proper Installation of the Center Hub:

The 4 short pieces of 35mm aluminum tubing (30mm for the HD version) MUST be pushed as far as possible towards the center of the antenna and jammed against the mast (Standpipe). The mast should be sandwiched in by the 4 short tubes. All 4 tubes MUST make contact with the mast.

Sometimes users do not push these 4 tubes far enough in, leaving some play for the vertical mast (Standpipe) to move about. As a result, the Center Hub is not stable enough and it can even bend.

In cases where the user has abnormally strong winds, we recommend inserting an additional bolt through the center of the U-Profile bracket, into the mast. Early versions of the Spiderbeam did not yet have this hole, but later versions already have it pre-drilled.

If your bracket does not yet have this hole, please CAREFULLY drill it yourself, using the picture below:



After preparing the clamp, and remounting the antenna on the mast (Standpipe), also drill a hole through the mast. (drill through the clamp hole, into the mast). **ONLY do this on the top clamp *ABOVE* the antenna.**

DO NOT DO THIS ON THE BOTTOM CLAMP *BELOW* THE ANTENNA! (weakens the mast)

First screw a nut onto a bolt, and then insert the bolt through the hole, using a nut and spring ring on the inside. Now carefully adjust the bolt and nuts so that it passes through the hole in the mast. Note, this extra bolt is not supplied with the kit and must be sourced locally.

This will prevent any slippage of the Center Hub on the mast.