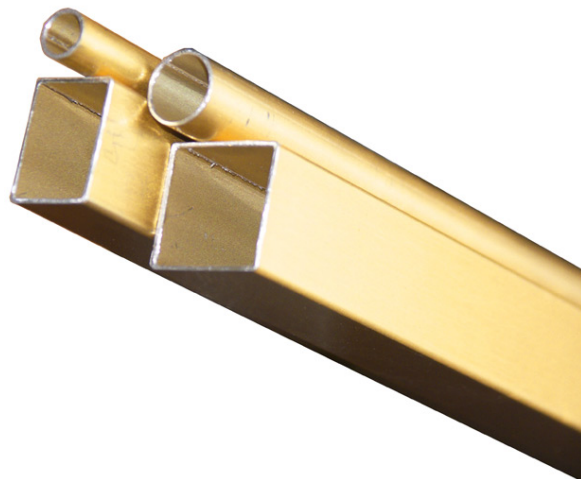


## Micronika end-user antennas. Unique points in materials and technology.

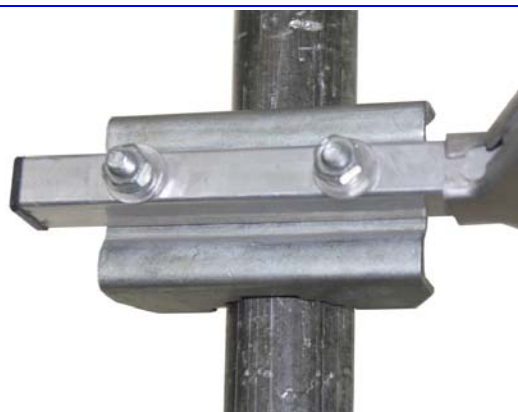
Our antennas are made of anodized aluminium and zinc-plated steel so the effect of corrosion is minimized. These materials combined with durable plastic have proven itself over and over again in tests and practice. Antennas are light and easy-assembled without any special tools. During the production cycle each antenna comes through several quality control operations.

**Antenna booms and antenna elements** are made of Al-Mg alloy tubes. All tubes are golden-anodized for long life corrosion resistance even in very hard and aggressive climate conditions. Golden colour and excellent quality of anodic film gives the best esthetical impression of the product being placed on the roof of any house.

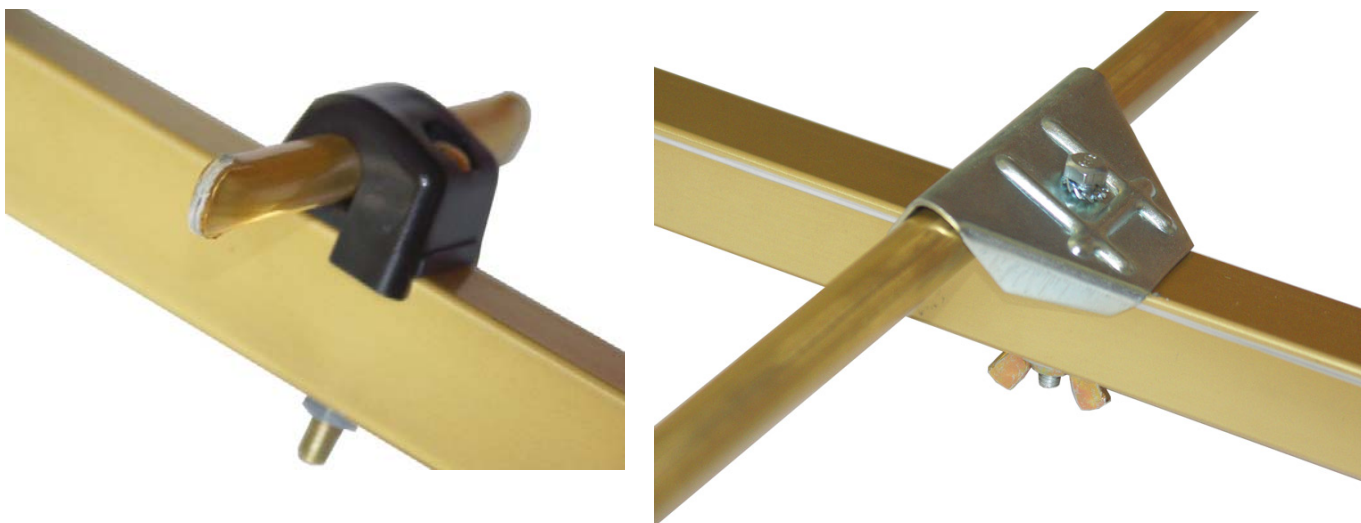


**Mast mounting kits** (mast max. 60mm) allow vertical / horizontal polarization and zenith adjustment of the antenna. Mast clamps are made of zinc-plated steel. Steel fixating bolts do not contact with aluminum boom of antenna. This protects from galvanic corrosion.

*Common error of many antenna producers is "economic" version of mast clamp with bolts coming through antenna boom. Due to galvanic contact of different materials fast corrosion process starts, and fixation comes loose.*



**Fastening of antenna elements** constructions are based on the same idea. Steel bolts do not come through the aluminum tube of antenna element. This protects thin tubes of antenna elements from destruction due to galvanic corrosion.



*Several examples of construction errors are shown below. In all these cases a galvanic contact of aluminum tube with steel bolt presents. It leads to fast corrosion and destruction of elements.*



**All plastic things** such as matching boxes and caps are made of durable UV resistant plastics. It stays chemically stable for many years even in hard climate conditions of Northern Russia.

**Assembling of antenna** can be made by hand and does not need any special tools. Wing nuts of “Heavy model” type have enlarged wings smoothed along the edges. So needed force of fixation will be easily achieved and fingers will not be damaged.



*We never use low-quality “economic” decisions such as plastic wing nuts (see on the picture).*

*Also we never use bolts and nuts without zinc plating.*

*We prefer that every part and every component of our antenna was of highest quality standard.*



We use **multi-step quality control** system. It means that every unit is checked several times in the process of production and special control operations are used on the final stage. Every time our customer is sure that he receives just what he ordered.