

The antenna mast ST-R is primarily intended for use for elevating and mounting of a light directional and omnidirectional or wire antennas for mobile work in stay. The base mast unit is special three-leg stay made of aluminum alloy square tubes with telescopic support legs made of composite material (glass reinforced polyester tubes). In normal conditions the mast do not need additional ropes and anchors. The three-leg stay is designed for very quick elevating of the mast also on inclined ground. The mast is packed in handy linen bag. Standard mast height is 6 m (5 sections of 1,2 m), but different dimensions and additional guying ropes set are also available on special request.

In special circumstances where guying is needed (high wind) but not possible (hard ground) the tripod legs can also be secured using sand bags.

|                                 |                              |
|---------------------------------|------------------------------|
| Height                          | 6 m                          |
| Weight of three-leg stay        | 4.7 kg                       |
| Weight of one mast section      | 0.85 kg                      |
| No. of sections                 | 5                            |
| Length of sections              | 1310 mm (Net length 1230 mm) |
| Diameter of sections            | 43 mm                        |
| Mounting area                   | D = 2,8 m                    |
| Mounting time                   | 1 per./5 min.                |
| Max. vertical top load          | 6 kg                         |
| Max. horizontal top load:       |                              |
| - without guying                | 60 N                         |
| - with sand bags                | 125 N                        |
| - with guying                   | 500 N                        |
| Max. top load wind area:        |                              |
| - without guying, wind 50 km/h  | 0.10 m <sup>2</sup>          |
| - without guying, wind 90 km/h  | 0.05 m <sup>2</sup>          |
| - with sand bags, wind 100 km/h | 0.25 m <sup>2</sup>          |
| - with sand bags, wind 120 km/h | 0.10 m <sup>2</sup>          |
| - with guying; wind 160 km/h    | 0.25 m <sup>2</sup>          |



