

## Quasar AM Folded Monopole Antenna



### AM Broadcast Transmitter Quasar-SDG

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**General Features**

The Quasar AM monopole antenna offer a number of advantages, making it worth consideration by stations that have old and inefficient array, deteriorating grounding systems or that simply would prefer to have a grounded tower. These advantages are specially important when the station want to add an FM antenna; Mobile Phone Antenna or STL Link systems. Additionally the AM Quasar monopole antenna reduce the problems associated with lightning and ungrounded towers.

Compared to both series-fed vertical antenna, the Quasar AM monopole offer several specific benefits. For those stations concerned about AM improvement:

- ✓ The monopole has greater radiation resistance.
- ✓ The folded monopole antenna provides greater system bandwidth than does a series-fed antenna.
- ✓ The folded monopole antenna's base impedance can be varied, making coupling and bandwidth easy to control.
- ✓ For those installations that suffer from instability in inclement weather, the folded monopole can be a real salvation. *(The antenna maintains its operating characteristic in most types of weather with few of the problems found in some series-fed installations.)*
- ✓ The folded monopole antenna allows propagation efficiency to be maintained with a lower tower height.
- ✓ Folded monopole antenna provides anti-lightning protection to the Transmitter.
- ✓ By converting your series fed antenna to a folded monopole antenna, you do not need static drain choke discharge or lightning choke for beacons.<sup>9</sup>

**Mechanical & Electrical Specifications**

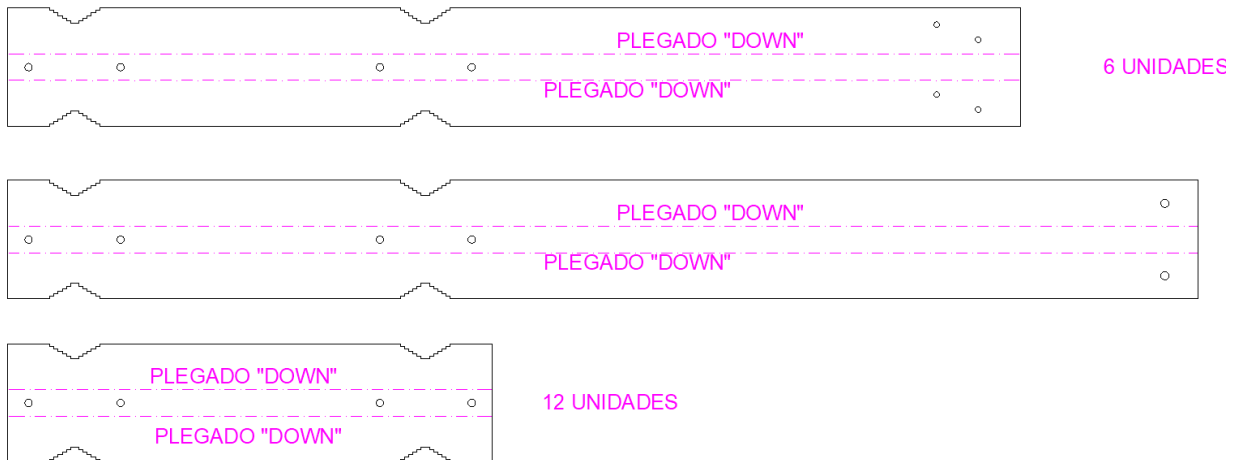
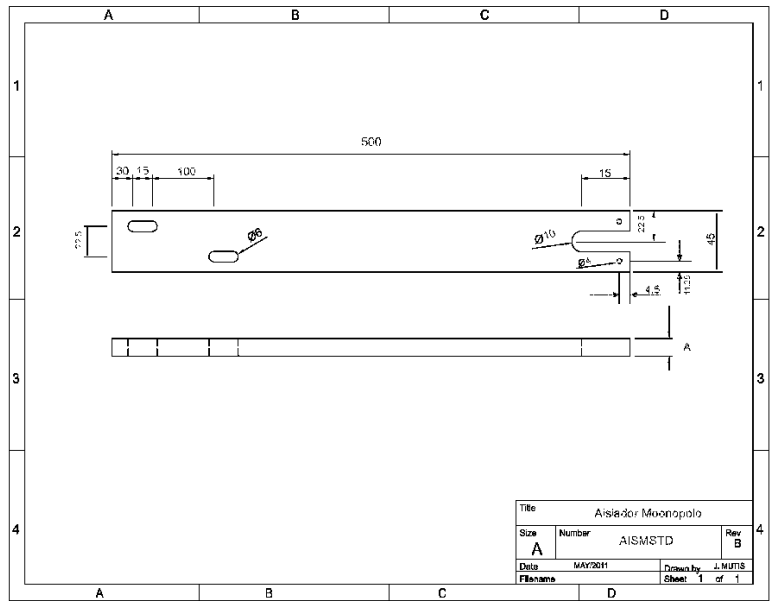
	<b>AMP25</b>	<b>AMP50</b>	<b>AMP100</b>
Frequency Range:	500-2000 khz	500-2000 khz	500-2000 khz
Power Rating:	25kW	50kW	100kW
Impedance Range	25-250+/-j 200 ohms	25-250+/-j 200 ohms	25-250+/-j 200 ohms
Lightning Protection	DC Ground	DC Ground	DC Ground
Windload (150 km/h)	270 Kg	270 Kg	540 Kg)
Download:	315 Kg	450 Kg	630 Kg)
Weight	125 Kg	150 kg	210 Kg
Insulation: (anti-UV)	Fiberglass	Fiberglass	Fiberglass

**The Quasar AM monopole antenna systems are designed for long life! They are constructed utilizing ultra-violet resistant fiberglass, dip zinc steel more epoxic electrostatic cover paint, heavy duty steel-reinforced aluminum cable, and custom hardware. Furthermore, our systems maintain that nominal tension over a variety of environmental conditions. The folded monopole antennas are designed to survive winds in excess of 90 km.**

Contact:

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MEC- Quasar Folded Monopole Antenna Drawing.



Until 100.000 Watts AM Monopole Antenna



Quasar reserves the right to make changes without advice