

# Antenna mast mount

## MS1

The MS1 antenna mast mount is a professional installation solution for mounting a vehicle antenna onto a  $\varnothing$  50 mm mast. The MS1 contains a jumper cable to connect the feeder cable and antenna. Alternatively, the feeder cable can be fed through the MS1 and connected straight to the antenna.

- Rugged and compact construction
- Quick and easy to set up



Product details*	
Suitable COJOT antennas	Contact us for more information
Standard color	Olive green
Material	Aluminium alloy
Height & Width	See Page 2 for dimensions
Weight	0.9 kg
Jumper cable operating frequency	Max. 1 GHz
Jumper cable power rating	200 W @ 0 – 100 MHz 100 W @ 100 – 500 MHz 70 W @ 500 – 1000 MHz

\* Specific adjustments on request

Installation*	
RF connector for antenna	Male N-type
RF connector for feeder cable	Female N-type
Antenna mount	4-bolt US/NATO pattern
Mast interface	$\varnothing$ 50 mm, length 90 mm

\* Specific adjustments on request

Order number	NSN	Product
MS1	5985-58-000-5335	Product as described above
MS1-NJ	-	MS1 without the jumper cable

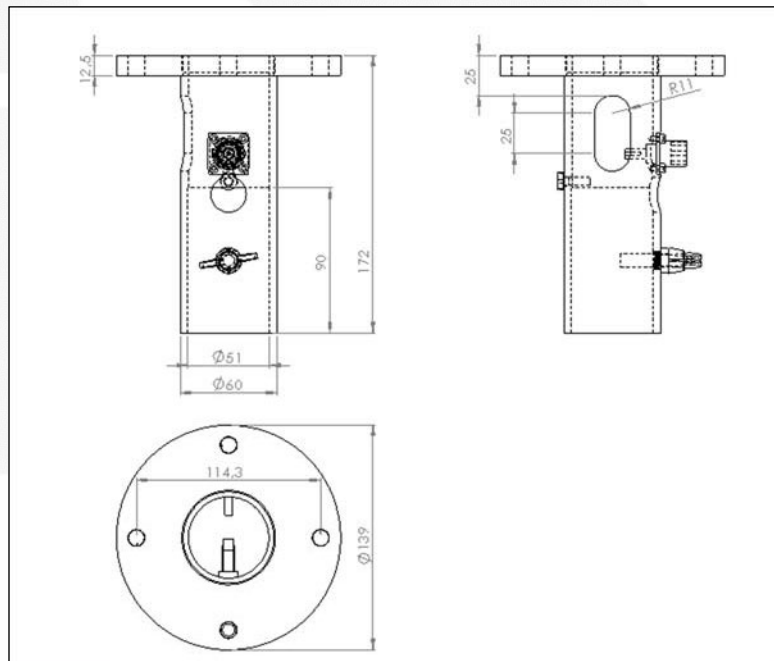
**Note:** The maximum diameter for the feeder cable going through the MS1 is 20 mm (similar to male N-type connector). See Page 2 for details.

# Environmental specifications

## MS1

Environmental specifications	
Temperature range (operating)	-40 ... +55 °C
Temperature range (storage)	-40 ... +85 °C
Humidity	MIL-STD-810E Method 507.3 Procedure III (cycle with extreme at 95 % RH, +60 °C)
Shock	MIL-STD-810F, Method 516.5 Procedure I (terminal peak sawtooth shock pulse, peak 40 g, duration 11 ms, three shocks in each of three orthogonal axes in both positive and negative direction)
Random Vibration	MIL-STD-810F, Method 514.5 Category 24 – All material – minimum integrity test, exposure levels according to Figure 514.5C-17
Blowing Rain	MIL-STD-810F, Method 506.4 Procedure I (rainfall rate 150 mm/h, wind speed 30 m/s)
Water Immersion	MIL-STD-810F, Method 512.4 Procedure I (depth 1 m)
Wind Speed	200 km/h

## Main dimensions



Main dimensions of the MS1