

# OmegaMount-STM Side Tank Mount

## High Performance Magnetic Antenna Mounts



Supports Single and Multiple Antennas



### Key Features

- **Magnetically Attaches to Water Tanks**
- **Works with All Antennas**
  - LTE - Cellular Panel - Parabolic - Whip - Yagi
- Permanent Attachment
- High Strength Neodymium Cup Magnets
- Side and Top Mount Options
- Works on Flat and Curved Steel Surfaces
  - Water Tanks (min. tank diameter is 50 ft)
  - Elevator Penthouses
  - Steel Silos
- Magnetically Attached Cable Trays and Conduit
- 100% Zero Corrosion Guarantee
- Standard and Heavy Duty Models Available
- Lifetime Warranty - 100% Made in USA

A single mount can support parabolic antennas up to 6 ft in diameter, cellular panel and whip antennas. The mounts may be installed on the top or side of water towers or other steel structures.

OmegaMount magnetically attaches to any steel structure with a minimum thickness of 0.25 in.

Conduit and cable trays are also magnetically secured by with ceramic magnets allowing for rapid and professional installation.

OmegaMount does not require expensive welding and tank recertification - no draining water tanks - no internal paint blistering. Installing OmegaMount is straightforward. Once the magnets are set in place, the mount is permanent\*.

Composite materials significantly reduce weight allowing for greater antenna loads. All mounts engineered to survive 140 mph winds at full antenna loading and exceed AASHTO requirements.

*\*OmegaMount may be relocated or removed by trained professionals.*

### RF Datacom Inc.

[www.rfdatacom.com](http://www.rfdatacom.com)

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# OmegaMount

## Specifications

### OmegaMount-STM

Mast

L-Braces

#### Forces and Twisting Movement

Resisting Force 1180 ft/lbs (1620 Nm )

Pull Force 900 lbs (4000 N)

**Wind Velocity 70 mph (110 km/h) 140 mph (225 km/h)**

F-Axial Force 125 lbs (560 N) 480 lbs (2150 N)

F-Side Force 40 lbs (180 N) 135 lbs (610 N)

M-Twisting Movement 147 lft/lbs (200 Nm) 535 lbs/ft (725 Nm)

Mount Weight 35 lbs (16 kg)

### Side Tank Mount - Standard Duty

Composite Materials - Length 56" x 4.5" Outside Diameter

Dual Aircraft Grade Aluminum 1/2" x 39" x 5"

### OmegaMount-HTM

Mast

L-Braces

#### Forces and Twisting Movement

Resisting Force 2360ft/lbs (3240 Nm )

Pull Force 1800lbs (8000 N)

**Wind Velocity 70 mph (110 km/h) 140 mph (225 km/h)**

F-Axial Force 250 lbs (1120 N) 960 lbs (4300 N)

F-Side Force 40 lbs (360 N) 270 lbs (1220 N)

M-Twisting Movement 295 lft/lbs (400 Nm) 1070 lbs/ft (1450 Nm)

Mount Weight 68 lbs (31 kg)

### Side Tank Mount - Heavy Duty

Composite Materials - Length 56" x 4.5" Outside Diameter

Quad Aircraft Grade Aluminum 1/2" x 39" x 5"

### OmegaMount-TTM

Mast

Tripod Base

#### Forces and Twisting Movement

Resisting Force 1070 ft/lbs with 72" Mast (1450 Nm with 1.8 m Mast) )

Pull Force 1800 lbs (8000 N)

**Wind Velocity 70 mph (110 km/h) 140 mph (225 km/h)**

F-Axial Force 190 lbs (845 N) 480 lbs (2150 N)

F-Side Force 80 lbs (355 N) 135 lbs (610 N)

M-Twisting Movement 135 lft/lbs (185Nm) 535 lbs/ft (725 Nm)

Mount Weight 76 lbs (35kg) - not including steel mast - 12.5 lbs/ft (18.6 kg/m)

### Top Tank Mount

Galvanized Steel - 72", 96", 126" Lengths Available x 3.5: Outside Diameter

Height 42" x Leg Distance 64". Minimum Mounting Height 48"

*All specifications accurate at time of printing. OmegaMount specifications subject to change without notice.*

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