

# Metal & Cable Corp., Inc.

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## Installation instructions for the Magnemount model MA 30-2

Caution: In order to maximize the capability of the Magnemount to withstand high winds, all equipment should be mounted on the mast as close to the adjustment elbow as possible.

### Tools needed

3/4" deep socket, 3/4" open ended wrench, 9/16" socket, 1/2" deep socket, and a 1/2" open ended wrench,

[and a torque wrench capable of up to 45 ft-#](#)

**\*\*\* DO NOT REMOVE THE MYLAR PADS ON THE BOTTOM OF THE MAGNETS. THEY ARE AN INTEGRAL PART OF THE SYSTEM. \*\*\***

**Location note - In order to achieve maximum holding strength the Magnemount Model MA 30-2 should be installed with no entire outer row magnets over a tank weld.**

## Installing the base section

- 1) When removing Magnemount sections with magnets from the shipping container (while on the ground) **DO NOT REMOVE THE ATTACHED INSULATING BASE**. This will keep the magnets free of debris and the mount from attaching to unwanted objects.
- 2) After the mount sections are on top of the tower, please remove all “dirt”. Just wiping the surface will improve the holding power.

\*\*Lift by the plate only - keep hands and feet clear of the magnets\*\*

- 3) \*\*\*Caution – hold the plate by the sides because the magnets will take the plate out of your hands with no warning when it gets close to the tower.\*\*\*  
Stand the plate up on its edge – orient the base direction - remove the insulating base - then set the plate down on the tower.
- 4) Totally loosen the double hex nuts on all 24 magnets at least ¼’ above the plate. This will allow the magnets to be independently seated.
- 5) FINGER-TIGHTEN each bottom hex nut. Then, *with the torque wrench*, tighten the top nut using 10#-ft of torque while holding the bottom hex nut with an open ended wrench. Do not use power tools!!!

## Installing the elbow and top mast

- 1) Remove the 3/8” bolts and lockwashers from the exposed shank of the elbow. Insert the shank into the short (bottom) mast. Do not replace the hardware yet.
- 2) Raise the top mast and level it. Replace the lockwasher and bolt into the **bottom** mast through opposite slots in the mast that align with the threads on the shank. Tighten these bolts to 20 foot-pounds of torque. Re-torque the bolts on the upper mast to 20 foot-pounds. **Tighten the ½” nuts and bolts on the elbow to 45 foot-pounds of torque. Tighten the “double nuts” also to 45 foot-pounds of torque.**
- 3) For safety – tether the mount to the tower.

## Removal

- 1) Insert the enclosed 1.50” bar at the indicated area under the plate (or at any of the 4 corners) and lift the edge of the plate.
- 2) Cover the magnets with plastic, cardboard, foam board, or other barrier to keep ferrous materials from sticking to the magnets.

If you have any question at any time, please call David Klein at 330-963-7909.