

Metal & Cable Corp., Inc.

9337 RAVENNA ROAD, UNIT C P.O. BOX 117

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PHONE (330) 425-8455

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*****FAILURE TO READ AND FOLLOW INSTRUCTIONS
MAY READ TO RISK OF INJURY OR DEATH*****

WARNING

FALL HAZARD

**FAILURE TO FOLLOW THIS WARNING MAY
RESULT IN SERIOUS INJURY OR DEATH.**

Use OSHA approved fall protection equipment when installing mount.

Mount NOT man-rated. Do not lean on mount, hang on mount, or use mount for support.

CAUTION

MAGNET HAZARD

**FAILURE TO FOLLOW THIS CAUTION MAY
RESULT IN INJURY OR PROPERTY DAMAGE.**

Mount contains magnetic components.

- **PINCH HAZARD.** Interaction with magnets on mount may create a pinch hazard.
- **PROPERTY HAZARD.** Electronic objects such as cell phones, hearing aids, and beepers may be damaged.

WARNING

DETACHMENT HAZARD

**FAILURE TO FOLLOW THIS WARNING MAY
RESULT IN SERIOUS INJURY OR DEATH.**

Failure to follow installation instructions, including application of correct torque values, may create a mount detachment hazard. Mount must remain tethered to tower at all times.

CAUTION

CUT HAZARD

**FAILURE TO FOLLOW THIS CAUTION MAY
RESULT IN INJURY.**

Metal components of mount may have sharp edges. Use care and wear OSHA approved protective clothing, work gloves, and safety glasses when handling and installing mount.

WARNING

MAGNET HAZARD

**FAILURE TO FOLLOW THIS WARNING MAY
RESULT IN SERIOUS INJURY OR DEATH.**

Mount contains magnetic components. Wearers of cardiac pacemakers, implantable cardioverter defibrillators (ICDs) or other metallic, magnetic, or mechanical implants, devices or objects should not come into contact with mount.

WARNING

Do not install on top of ice.

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Installation instructions for the Magnemount model MA30-2

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

$\frac{3}{4}$ " deep socket, $\frac{3}{4}$ " open ended wrench, $\frac{9}{16}$ " socket, $\frac{1}{2}$ " deep socket, and a $\frac{1}{2}$ " 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” from the tower. Just wiping the surface will improve the holding power.

Do not put fingers under the magnets, at any time.

- 3) Cut the shrink wrap holding the insulator to the bottom of the Magnemount. Stand the plate on its edge - orient the base direction - then set the plate down on the tower.

SUGGESTED MAGNET ADJUSTMENTS

- 4) Totally loosen all of the double hex nuts on all 24 magnets to at least ¼” above the plate. This will allow the magnets to be independently seated and achieve their maximum holding power.
- 5) THE FIRST 4 MAGNETS TO BE ADJUSTED SHOULD BE ON THE EDGE OF THE PLATE, IN THE CENTER OF THE ROWS OF 5 MAGNETS.
(IF THE PLATE IS NOT PAINTED, WE MARK THESE LOCATIONS).
THEY SHOULD BE ADJUSTED IN THE FOLLOWING ORDER:
TOP - BOTTOM - SIDE – SIDE
- 6) FINGER-TIGHTEN the bottom hex nut. Hold the bottom nut in place with the open-ended wrench, then, **with the torque wrench**, tighten the top nut using 10#-ft of torque. Do not use power tools!!!
- 7) THE NEXT 8 MAGNETS TO BE ADJUSTED SHOULD ALSO BE ON THE EDGE OF THE PLATE, ONE ON EITHER SIDE OF THE PREVIOUSLY ADJUSTED CENTER MAGNETS. THEY SHOULD ALSO BE ADJUSTED IN THE FOLLOWING ORDER:
TOP - BOTTOM - SIDE – SIDE
- 8) The last 12 magnets can be installed in any order, per item 6.

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.