

Metal & Cable Corp., Inc.

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

TWINSBURG, OH 44087

PHONE (330) 425-8455

FAX (330) 963-7246

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



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.



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.



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.



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.



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.

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Internet Address: www.metal-cable.com

Installation instructions for the Magnemount STM2 with the antenna(s) between the plates.

- a) If mounting one antenna, the centerline of the antenna must be at or below the average separation of the 2 Magnemount plates.
- b) If mounting more than one piece of equipment on the mast, the equipment must be mounted such that more weight is below the average separation of the 2 Magnemount plates.

Tools needed: ½” open ended wrench, ½ ” and ¾” deep sockets, a 9/16” socket, and a torque wrench.

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

- 1) Prior to the installation of the Magnemount – DO NOT REMOVE THE ATTACHED INSULATING CORRUGATED CARDBOARD BASE.
- 2) Install 2 “U” bolts on each mounting plate with the enclosed flat washer and double nuts.

Keep fingers clear of the magnets when lifting the mount into place

- 3) Lay out and install both mounting plates of the Magnemounts so that the bolt holes on the mounting plates are approximately vertical.
- 4) Remove the cardboard base and place the top Magnemount on the tower with the 2 centerlines on the Magnemount aligned with the tank vertical installation line. To correct any misalignment, tap the plate with a rubber mallet.
- 5) Remove the cardboard base from the second Magnemount. Align it with the vertical installation line. Place it as far as possible from the top plate to hold the mast and that will allow the antenna(s) to be clear.
- 6) Loosen the 48 hex nuts on each Magnemount to allow the magnets to be independently seated. (At least 1/4” above the washer.) **Most likely, when first set onto the tank, not every magnet (especially some of the outside magnets) will be in contact with the tank. Just keep giving the magnets more length by backing off the nuts until they all contact the tank.**
- 7) Finger tighten the bottom nuts so that the plate is firmly held. Then, tighten the top nuts against the bottom nuts with 10 pound-feet of torque, while holding the bottom nut with the wrench.
- 8) Slide the mast through the U-bolts. The plates rotate to allow the mast to adjust for proper alignment. If it is necessary to adjust the position of the Magnemounts for alignment, tap the plate with a rubber mallet.
- 9) Tighten both sets of 1/2” nuts on each U-bolt leg with 45 ft-lb of torque. Tighten the 2 bolts (3/8”) on each side of the short mast section to 20 ft-lb of torque.
- 10) For safety, tether the mount to the tower.

Removal

- 1) Insert the enclosed 1.5” wide bar at the indicated area and lift the side being pried.
- 2) Set the mount on its side and cover the magnets to keep them clean.

Any questions at any time, call David Klein at 330-963-7909