

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*****

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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Instructions for cable tray and cable 5-magnet Magnemount Model CT1000-24-U-5

Tools needed: ½” open ended wrench, ½” deep socket, torque wrench accurate down to 10 pound-feet (or 120 pound-inches).

Do not remove the pads on the bottom of the magnets. They are an integral part of the system!!!

General layout requirements

- 1) Cable tray to be a maximum of 4” high.
- 2) Cable tray should preferably be 12” wide, or a maximum of 18” wide.
- 3) The cable tray and cover should be made of aluminum.
- 4) The Magnemount Cable Tray holders must be mounted to the tank before the cable tray is attached.
- 5) The bottom Magnemount in a vertical run must be anchored to the ground .
- 6) The pads on the bottom of the magnets are part of the system, and need to remain on the magnets.
- 7) **Do not place any of the magnets on the Magnemounts across a weld.**

Installation instructions

- 1) Do not remove the bubble wrap until the Magnemounts are ready to be installed.
- 2) The Magnemounts should be spaced according to project engineering specifications if other than the following recommendation. Metal & Cable recommends spacing of 2 feet for side of the tank applications and 3 feet for top of the tank applications.
- 3) Remove all dirt from the installation area - preferably with a damp cloth. This is necessary to allow the designed holding power of the mounts.

Keep fingers clear of the bottom of the magnets when installing.

- 4) If you see part of an edge of the poly pad folded back over on itself, please smooth it back over the edge of the magnet.
- 5) Remove packaging from the magnet bases and place the cable tray mounts on the tower **BEFORE ATTACHING THE CABLE TRAY**.
- 6) If needed, alignment can be adjusted by tapping the channel with a rubber mallet.
- 7) Loosen all double nuts (5 sets) until the magnets make full contact with the tank.
- 8) When all magnets are contacting the tank, finger-tighten the bottom nut **ONLY UNTIL IT CONTACTS THE WASHER INSIDE THE STRUT (2 pound-feet Max)**. **Tightening any more can reduce the holding capacity of the mount.**
- 9) Bring the top nut down to contact the bottom nut. Hold the bottom nut with the open ended wrench and tighten the top nut using **10 pound-feet** of torque.
- 10) The strut should now be firmly mounted in all directions.
- 11) Attach the cable tray and cables to the Magnemounts.
- 12) The bottom Magnemount in a vertical run must be anchored to the ground.
- 13) Conduct a shear strength test at least 24 hours after the installation. The shear strength should be 30 pounds per mount to pass.

Removal

Lift one end of the Mount and all of the magnets will release.

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