

Metal & Cable Corp., Inc.

9337 RAVENNA ROAD, UNIT C P.O. BOX 117
TWINSBURG, OH 44087
PHONE (330) 425-8455 FAX (330) 963-7246

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).

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) At least 2 Magnemount Cable Tray holders must be mounted directly next to each other at the bottom, or the bottom of the cable tray should 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 closer than those recommended on our web site. Metal & Cable recommends spacing of 2 feet, or closer, for side of the tank applications and 3 feet, or closer, 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 specified 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 the bubble wrap 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) Attached the cable tray and cables to the Magnemounts.

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