

Metal & Cable Corp., Inc.

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Instructions for cable tray and cable 4-magnet Magnemount Model CT1000-24-U-4

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Tools needed: ½” open ended wrench, ½” deep socket, torque wrench

General layout requirements

- 1) Cable tray covers (if being used) 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 ends (bottom and top), or the bottom of the cable tray should be anchored to the ground.
- 6) **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 tank applications and 3 feet, or closer, for top of tank placement applications.

- 3) Remove all dirt from the installation area - preferably with a damp cloth. This will greatly aid the holding power of the mounts.

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

- 4) Remove the bubble wrap from the magnet bases and place the cable trays on the tower.
- 5) If needed, alignment can be adjusted by tapping the channel on the ends with a rubber mallet.
- 6) The 2 inside magnets can be loosened even further above the steel washer (but shouldn't be necessary) to get complete magnet/tower contact by using a 1/2" deep socket while holding the top or side of the magnet.
- 7) The final adjustment to these "inside" magnets is to tighten the lock nut (see #6) **ONLY UNTIL IT CONTACTS THE WASHER INSIDE THE UNISTRUT.** Tightening any more reduces the holding capacity of the mount.
- 8) Loosen the double nuts on the end magnets until the magnet completely contacts the tower.
- 9) Finger-tighten (**ONLY**) the bottom nut. Bring the top nut down to contact the bottom nut. Hold the bottom nut with the 1/2" open ended wrench and tighten the top nut using **10 pound-feet** of torque.

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
(direct)