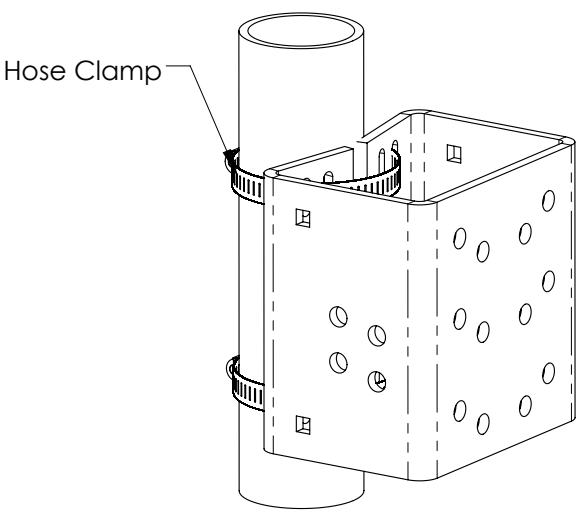
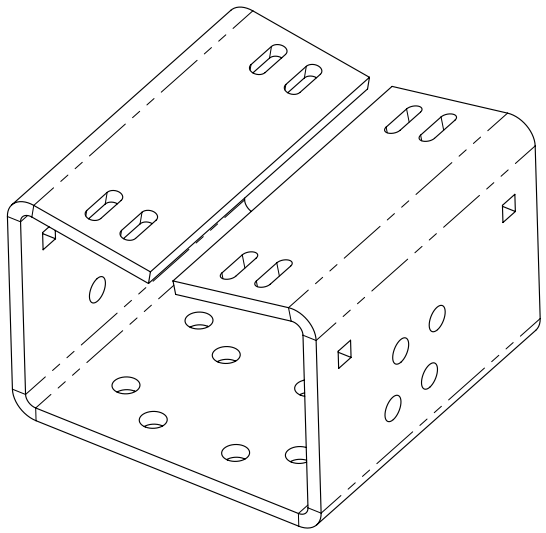
ETMAGSDAT Family

Grounding Standoff For Telecom Towers, Connections To Round and Flat

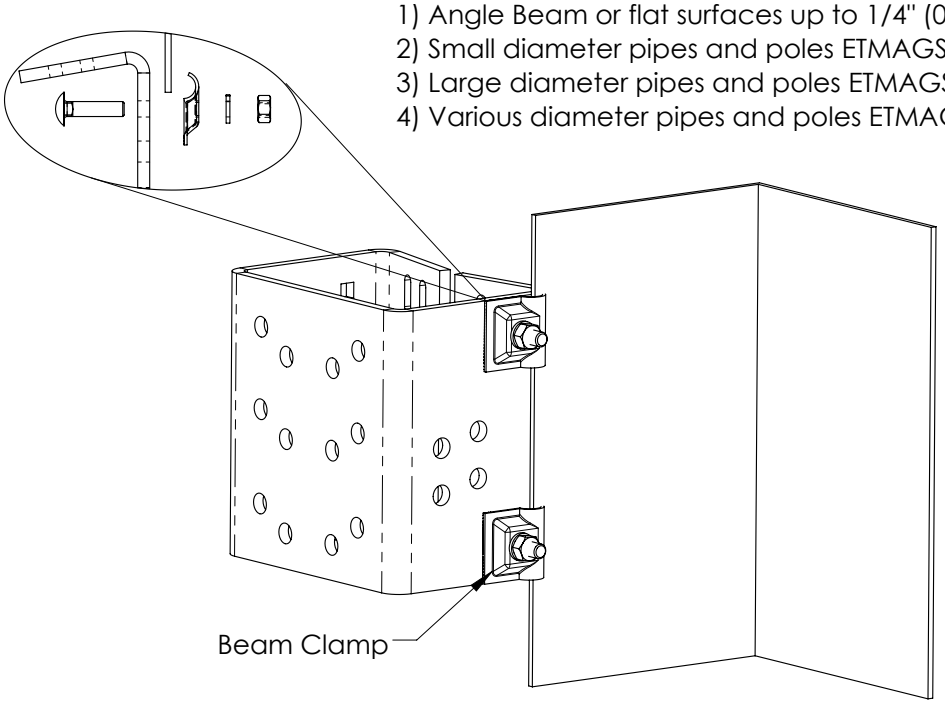
The ETMAGSDAT Grounding Standoff is designed to provide a grounding connection point to tower and rooftop mounted telecommunication equipment and antennas.

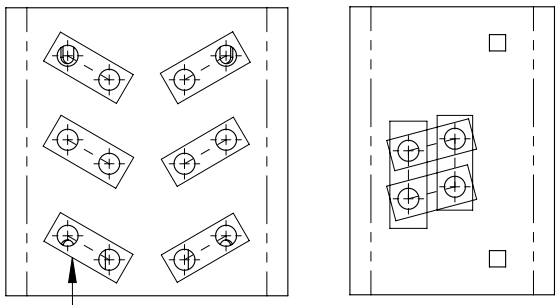




The ETMAGSDAT can be mounted in 4 different ways on various types of metal members:

1) Angle Beam or flat surfaces up to 1/4" (0.64cm) thickness ETMAGSDATBC with Beam Clamp
2) Small diameter pipes and poles ETMAGSDATHC13 (see chart on page 2 for size range)
3) Large diameter pipes and poles ETMAGSDATHC35 (see chart on page 2 for size range)
4) Various diameter pipes and poles ETMAGSDAT with 1/2" (1.3cm) stainless steel banding





WARNING:
1. Pentair products shall be installed and used only as indicated in Pentair product instruction sheets and training materials. Instruction sheets are available at www.erico.pentair.com and from your Pentair customer service representative.
2. Pentair products must never be used for a purpose other than the purpose for which they were designed or in a manner that exceeds specified load ratings.
3. All instructions must be completely followed to ensure proper and safe installation and performance.
4. Improper installation, misuse, misapplication or other failure to completely follow Pentair's instructions and warnings may cause product malfunction, property damage, serious bodily injury and/or death, and void your warranty.

SAFETY INSTRUCTIONS:
All governing codes and regulations and those required by the job site must be observed.
Always use appropriate safety equipment such as eye protection, hard hat, and gloves as appropriate to the application.

Small and Large Diameter Pipe Installation

- For small diameter pipes and poles, use ETMAGSDATHC13 (see chart below for pipe size range).
- For large diameter pipes and poles, use ETMAGSDATHC35 (see chart below for pipe size range).
- These parts come with 2 hose clamps that can be placed in slotted holes in the ETMAGSDAT on the top.
- These hose clamps must then be tightened onto the pipe or pole member with adequate torque to avoid mechanical movement. Ensure hose clamps are not over-torqued.
- For all pipe sizes, the ETMAGSDAT bar can be used with other 1/2" (1.3cm) stainless steel banding materials designed for attaching devices to towers as an alternative to using hose clamps.
- Once the ETMAGSDAT is secure, electrical connection can be made to the ETMAGSDAT. The ETMAGSDAT is provided with 10 pairs of double-hole slots for termination of double hole grounding lugs. These holes are to be used with 3/8" UNC hardware with 1" (2.5cm) hole spacing.
- One of the terminations is for connection and bonding to the tower when used in tower applications. For adequate bonding to the tower, attach an appropriate bonding clamp via double-hole lug and conductor.
- In rooftop applications, the above termination shall be used for providing the main ground connection to the roof-mounted equipment, which may connect to the Main Grounding Bus (MGB), Building Lightning Protection System or to a dedicated ground electrode.
- The remaining 9 pairs of termination holes shall be used for termination of double-hole lugs for grounding connection from rooftop- or tower- mounted remote radio heads, antennas or other equipment. The electrical connection shall be made using the same procedure as used on telecommunication ground bars.
- The installation of bolts and nuts to ETMAGSDAT will require the nut to be held from the inside. Adequate provision has been made to hold this nut in place by hand and tighten with a wrench during the installation.

CONNECTION ACCESSORIES						
PART No.	ACCESSORY P/N	HOSE CLAMP RANGE	PIPE OD RANGE	DEFAULT POSITION	BEAM THICKNESS	TIGHTENING TORQUE
ETMAGSDATHC13	A930Y005	2"-4" (5cm-10.1cm) DIA	1.5"-3.75" (3.8cm-9.5cm) DIA	INSIDE	-	35 in-lbf (4 N-m)
ETMAGSDATHC35	A930Y006	4"-6" (10.1cm-15.2cm) DIA	3.75" - 5" (9.5cm-12.7cm) DIA	OUTSIDE	-	35 in-lbf (4 N-m)
ETMAGSDATBC	CCR608BB	-	-	-	1/4" (0.6cm)	30 in-lbf (3.4 N-m)

Flat Beam Installation

- For the flat beam installation, use ETMAGSDATBC.
- This part comes with 2 beam clamps that can be placed in square holes in the ETMAGSDAT on either side.
- These beam clamps must then be tightened on the flat surface with adequate torque to avoid mechanical movement.
- Once the beam clamps are tightened, electrical connection can be made to the ETMAGSDAT.
- The ETMAGSDAT is provided with 10 pairs of double-hole slots for termination of double hole grounding lugs. These holes are to be used with 3/8" UNC hardware with 1" (2.5cm) hole spacing.
- One of the terminations is for connection and bonding to the tower when used in tower applications. For adequate bonding to the tower, attach an appropriate bonding clamp via double-hole lug and conductor.
- In rooftop applications, the above termination shall be used for providing the main ground connection to the roof-mounted equipment, which may connect to the MGB, Building Lightning Protection System or to a dedicated ground electrode.
- The remaining 9 pairs of termination holes shall be used for termination of double-hole lugs for grounding connection from rooftop- or tower- mounted remote radio heads, antennas or other equipment. The electrical connection shall be made using the same procedure as used on telecommunication ground bars.
- The installation of bolts and nuts to the ETMAGSDAT will require the nut to be held from the inside. Adequate provision has been made to hold this nut in place by hand and tighten with a wrench during the installation.

