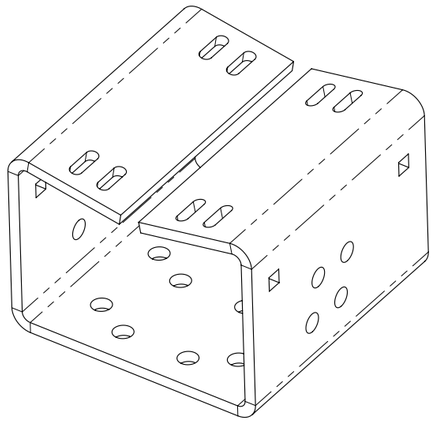
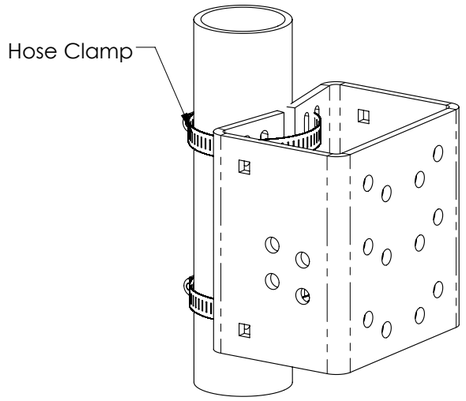
ETMAGSDAT Family
Grounding Standoff For Telecom Towers, Connections To Round And Flat

The ETMAGSDAT Grounding Standoff is designed to provde a grounding connection point to tower and roof top mounted telecommunication equipment and antennas.





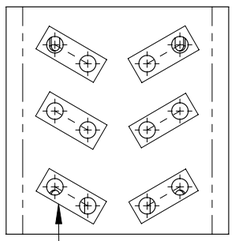
The ETMAGSDAT can be mounted on 3 types of metal members:

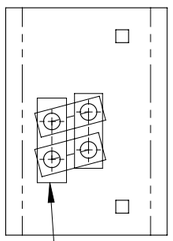
1) Angle Beam ETMAGSDATBC with BEAM CLAMP
2) Small diameter pipes and poles ETMAGSDATHC13 with HOSE CLAMP 1-3 INCH
3) Large diameter pipes and poles ETMAGSDATCH35 with HOSE CLMAP 3-5 INCH

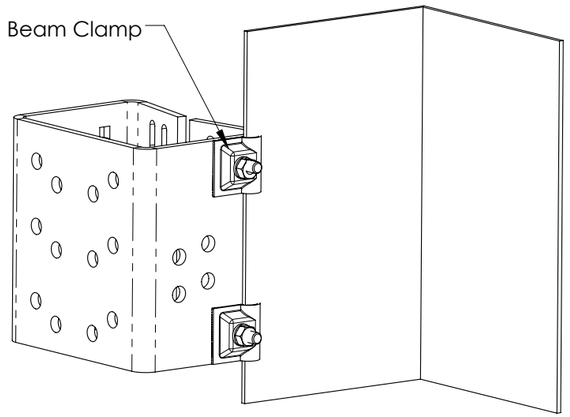
Small and Large Diameter Pipe Installation

- For small diameter pipes and poles, use ETMAGSDATHC13 with HOSE CLAMP 1-3 INCH.
- For Large diameter pipes and poles, use ETMAGSDATHC35 with HOSE CLAMP 3-5 INCH.
- These parts come with 2 hose clamps that can be placed in slotted holes in the ETMAGSDAT the top.
- These hose clamps must then be tightened onto the pipe or pole member with adequate torque to avoid mechanical movement.
- Once the hose 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.
- On of the terminations is for connection and bonding to the tower when used in tower applications. The bonding to the tower must be done via Burndy GAR-TC Clamps or PENTAIR Equivalent.
- In rooftop applications, the above termination shall be used for providing the main ground connection to the roof mounted equipment, which may to the Main Grounding Bus (MGB), Building Lightning Protection System or to a dedicatied ground electrode.
- The remaining 9 pairs of termination holes shall be used for termination of double holed 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 that is used on tlelecommunication ground bars.
- The installation of bolts and nuts to ETMAGDATS will require the nut to be held from the inside. Adequate provision has been made to hold this nut in place by hand and with spanner 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" DIA	1" - 3.75" DIA	OUTSIDE	-	35 in-lbf (4 N-m)
ETMAGSDATHC35	A930Y006	4" - 6" DIA	3.75" - 5" DIA	OUTSIDE	-	35 in-lbf (4 N-m)
ETMAGSDATBC	CCR608BB	-	-	-	1/4" - 1/2"	20 in-lbf (2.3 N-m)







Angle Beam Installation

- For the angle beam installation, use ETMAGSDATBC.
- This part comes with 2 beam clamps that can be placed in slotted holes in the ETMAGSDAT on eigher side.
- These beam clamps must then be tightened on the to the angle beam member with adequate torque to avoid mechanical movement.
- Once the beam clamps are tightened, electrical connection can be made to the the ETMAGSDAT.
- The ETMAGSDAT is provided with 10 pairs of double hole slots for termination of double hole grounding lugs.
- One of the terminations is for connection and bonding to the tower when used in tower applications. The bonding on the tower must be done via Burndy GAR-TC Clamps or ERICO equivalent.
- In rooftop applications, the above termination shall be used for providing the main ground connection to the roof mounted equipment, which may be the MGB, Building Lightning Protection System or to a dedicated ground electrode.
- The remaining 9 pairs fo termination holes shall be used for termination of double holed 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 that is 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 with spanner during the installaition.

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.