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ARLINGTON EMT200-50

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INTRODUCTION

This manual provides instructions for the proper use and installation of the Arlington EMT200-50 EMT Insulating Conduit Bushing. These bushings are designed to protect electrical cables from abrasion when installed in Electrical Metallic Tubing (EMT).



This image displays the Arlington EMT200-50 insulating bushing. The white plastic bushing is designed to fit 2-inch Electrical Metallic Tubing (EMT) and is shown both as a single unit and in a stack, highlighting its compact design and bulk packaging.

PRODUCT OVERVIEW

The Arlington EMT200-50 is a 2-inch insulating bushing, supplied in a 50-pack, specifically designed for EMT conduit. Its primary function is to create a smooth, protective surface at the end of EMT, preventing damage to wires during installation and throughout their service life.

- **2-Inch size** for EMT conduit.
- Supplied in a convenient **50-pack**.
- Protects cables from **abrasion by EMT**.
- Meets **2005 NEC code requirements** for 300-15C protection.
- Listed for use in environmental air handling spaces per **2005 NEC code requirements 300-22 C**.

SAFETY INFORMATION

Always disconnect power before working on electrical systems. Wear appropriate personal protective equipment. Ensure all installations comply with local and national electrical codes, including the National

Electrical Code (NEC). Improper installation can lead to electrical hazards, injury, or property damage. These bushings are intended for use with Electrical Metallic Tubing (EMT) only.

SETUP AND INSTALLATION

1. **Prepare the EMT Conduit:** Ensure the end of the EMT conduit is cut cleanly and deburred to remove any sharp edges or burrs that could damage the bushing or wires.
2. **Select the Correct Bushing:** Verify that the bushing size (2-inch) matches the diameter of your EMT conduit.
3. **Install the Bushing:** Firmly press or thread the insulating bushing onto the end of the EMT conduit. The bushing should fit snugly and securely, providing a smooth, insulated surface.
4. **Route Wires:** Carefully route electrical wires through the conduit, ensuring they pass smoothly over the installed bushing without snagging or abrasion.

OPERATION

Once installed, the Arlington EMT Insulating Conduit Bushing functions passively by providing a smooth, non-abrasive surface at the termination point of EMT conduit. This prevents the sharp edges of the conduit from cutting, scraping, or otherwise damaging the insulation of electrical wires as they are pulled through or rest within the conduit. This protection is crucial for maintaining the integrity of electrical systems and preventing short circuits or ground faults.

MAINTENANCE

The Arlington EMT Insulating Conduit Bushing is designed for long-term, maintenance-free operation. Periodically inspect installed bushings for any signs of physical damage or degradation, especially in harsh environments. If a bushing appears damaged, replace it immediately to ensure continued wire protection.

TROUBLESHOOTING

- **Bushing does not fit:** Ensure the bushing size matches the EMT conduit diameter. This EMT200-50 model is for 2-inch EMT.
- **Bushing is loose:** Re-check the conduit end for burrs or deformities that might prevent a snug fit. Replace the bushing if it appears stretched or damaged.
- **Wires are still abrading:** Verify the bushing is fully seated and inspect the conduit interior for any remaining sharp edges beyond the bushing's reach. Ensure proper wire pulling techniques are used.

SPECIFICATIONS

Feature	Detail
Manufacturer	Arlington Industries
Part Number	EMT200
Item Model Number	EMT200-50
Size	2-Inch
Material	Metal (Insulating material is typically plastic)
Item Weight	0.16 ounces
Package Dimensions	9.2 x 7.1 x 6.1 inches
Item Package Quantity	1 (Refers to one 50-pack)
Batteries Included?	No
Batteries Required?	No
Date First Available	September 21, 2010

WARRANTY AND SUPPORT

Arlington Industries provides a **limited warranty** that protects from manufacturer defects. For warranty claims, technical assistance, or product support, please contact Arlington Industries directly. Refer to the official Arlington Industries website for current contact information and detailed warranty terms.