



## Equipment Specification

Document No.: 4350.124

Item No.: 002-07829

Asset Suite: 57602

Originating Department: Distribution Engineering



## 15" Pin Pole Top

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### 1. Introduction

This is a general specification that covers the minimum requirements for a pin pole top to be used in the distribution system in Puerto Rico. Further information will be provided by LUMA Energy at the time of order placement and will provide information on site specific conditions, quantity, and other requirements. This document includes the general electrical and mechanical characteristics of the material.

### 2. Special Requirements

Samples shall be furnished as requested by LUMA Energy. Vendors that have supplied this material to PREPA / LUMA on previous orders, will not have to furnish samples at bid opening. The material will be received at the LUMA's general warehouse (011) at Palo Seco, Puerto Rico. Shipping will include transportation and unloading at the indicated warehouse.

### 3. Quantity/Literature

Descriptive and technical literature must be supplied by vendor at time of bidding. This literature may include, but is not limited to details of material, drawings, documented testing, and instructions for use and installation. Failure to submit documents on time will cause bidder disqualification. For products described in this specification as requiring qualification, awards will be made only for such products that, prior to the time for opening of bids, had been tested and/or approved by LUMA. Evidence of PREPA's and/or LUMA Energy's approval of the equipment or material shall be supplied by vendor if requested by LUMA Energy.

### 4. Markings

- 4.1. Containers shall be marked outside with LUMA Energy's purchase order and item number.
- 4.2. Packaging labels and tags shall be waterproof.

### 5. Equal or Approved Equal to

- 5.1. Hubbell (2162).
- 5.2. Wesco (J715Z).

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---

**6. Packaging**

All material and equipment shall be packaged and marked in such a way as to facilitate handling and protection from damage and that the receiving warehouse can readily identify it and send it, in one complete unit, to a field location without opening crates or boxes to sort items and/or parts.

**7. Number Per Package (Logistics)**

Twenty-five (25) units per box, seven hundred twenty (720) per pallet, or as requested by LUMA.

**8. Acceptance Criteria**

8.1. Test required: certified by external laboratories.

8.2. Latest applicable codes, standards, and other regulations:

- a. ASTM A36: for carbon structural steel used in the manufacture of welded and bolted metal structures.
- b. ASTM A153: for zinc coating (hot-dip galvanized) on iron and hardware, applies to hardware products such as castings, fasteners, rolled, pressed, and forged products, and miscellaneous threaded objects that will be centrifuged, spun, or otherwise handled to remove the excess zinc.

**9. Description**

9.1. This is used for pole mounting of 1" standard pin insulator.

9.2. The pin pole top shall have the following characteristics:

- a. Material: shall be hot-dip galvanized as per ASTM A153, gauge 12. The construction shall be pressed steel.
- b. Channel dimensions: 1-7/8" X 1" X 15" (4.8 X 2.5 X 12.7 cm).
- c. Approximate weight: 2.67 lbs (1.2 kg).
- d. Lead thread diameter: 1" (2.4 cm).
- e. Longitudinal load rating: 1,200 lbf (5.3 kN).
- f. Transverse load rating: 1,500 lbf (6.7 kN).
- g. Shall have a 11/16" (1.8 cm) diameter hole and a 11/16" X 1-1/4" (1.8 X 3.2 cm) bottom slot spaced at 5" (12.7 cm) center to center.
- h. Shall be constructed as per ASTM A36.

**Equipment Specification**

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---

**10. Inspection**

The acceptance of any material or equipment shall in no way relieve the vendor from his responsibility to meet all the requirements of this specification, and it would not prevent subsequent rejection if such materials were found later to be defective.

— End of Specification —

**Document History**

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<b>Date</b>	04/13/2022
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**Appendix**

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**Appendix 1: Table of Compliance**

Line	Criteria	Description	Pass/Fail (P / F)	Comments
1	Specification	The Proponent complies with the corresponding specification document (4350.124)		
2	Industry Standards	The Proponent complies with the industry standards established in the specification document. (ASTM)		
3	Description	This is used for pole mounting of 1" standard pin insulator.		
4	Characteristics	Shall have a 11/16" (1.8 cm) diameter hole and a 11/16" X 1-1/4" (1.8 X 3.2 cm) bottom slot spaced at 5" (12.7 cm) center to center.		
5	Channel dimensions	1-7/8" X 1" X 15" (4.8 X 2.5 X 12.7 cm)		
6	Approximate weight	2.67 lbs (1.2 kg)		
7	Lead thread diameter	1" (2.4 cm)		
8	Longitudinal load rating	1,200 lbf (5.3 kN)		
9	Transverse load rating	1,500 lbf (6.7 kN)		
10	Material	Shall be hot-dip galvanized as per ASTM A153, gauge 12. The construction shall be pressed steel.		