



**Threaded Thimbleye Galvanized
Anchor Rod 1 in x 10 ft**

Equipment Specification

Document No.: 4752.177

Item No.: 002-13801

Originating Dept: Transmission Eng.



Document Title:

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Document Type:

Equipment Specification

Document No.:

4752.177

Department:

Transmission Engineering

Version:

02

Effective Date:

Aug 22, 2023

Shared document with: T&S T&D T&TM D&TM Luma Engineering

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Version History

Version	Date	Revision Comments
00	Feb 09, 2022	First Issue
01	May 25, 2022	General Revision
02	Aug 22, 2023	Document changed as shared between T&D.



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1. General

- 1.1. This specification describes the minimum requirements of Threaded Thimbleye Galvanized Anchor Rod 1 in. Diameter and 10 ft. Long.
- 1.2. The anchor rod shall be designed, rated, manufactured, and tested in accordance with the latest applicable IEEE, NEMA, ANSI, ASTM, RUS, and NEC Standards¹. If the Vendor does not demonstrate its compliance with the applicable standards, these specification requirements and supply the requested documents, the bid may be rejected.
- 1.3. The vendor shall provide LUMA Energy with a list of recommended spare parts, tools, and service equipment, including prices.

2. Specific Name

- 2.1. Threaded Thimbleye Galvanized Anchor Rod 1 in Diameter x 10 ft long.

3. Basic Use

- 3.1. Mechanical support of steel pole single strand guys on concrete dome and expansion anchors.

4. Special Requirements

- 4.1. Samples shall be furnished if requested by LUMA.
- 4.2. LUMA may required one (1) unit properly labeled for testing and analysis.
- 4.3. Descriptive and technical literature shall be supplied if requested by LUMA.
- 4.4. With respect to products described in this specification as requiring qualification, awards will be made only for such products that, prior to the time act for opening of bids, have been tested and/or approved by LUMA.
- 4.5. Vendors that have supplied this material to LUMA in previous orders, will not have to furnish samples at bid opening.
- 4.6. They shall be required to show evidence of LUMA's approval of the equipment if requested.

¹ IEEE = Institute of Electrical and Electronics Engineers

NEMA = National Electric Manufacturers Association

ANSI = American National Standard Institute

ASTM = American Society of Testing and Materials

NEC = National Electric Code.

RUS = Rural Utilities Service

ASME = American Society of Mechanical Engineers



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5. Marking and Packaging

- 5.1. Containers shall be marked outside with LUMA’s purchase order number and code number.
- 5.2. Vendor shall prepare material and equipment for shipment in such a manner as to facilitate handling and protection from damage. All material shall be packaged and marked in such a way that the receiving warehouse can readily identify and send in one (1) complete unit to a field location without opening crates or boxes to sort items and/or parts.

6. Labeling

- 6.1. Each unit shall be clearly marked with the installation tool to be used, either with a color coding or numbering.

7. Compatible with

- 7.1. For compatible manufacturer and model see Table 1.

8. Number of pieces per package:

- 8.1. Pallet Quantity: 50 ea. Standard Package: 2 units.

9. Description

- 9.1. Threaded thimble galvanized anchor rod. Consist of 10 ft (3.048 M.) long, 1 In. (25.4 mm.) diameter.
- 9.2. Steel shall be as per ASTM A572, Gr 50.
- 9.3. Hot-dip Galvanized steel anchor rod as per ANSI/ASTM A153.
- 9.4. The forged thimbleye shall allow only one (1) guy wire, with purpose of distribute pulling stresses uniformly over individual strands of guy wire and keep the guy wire from spreading, kinking, or bending.
- 9.5. The rod shall be furnished with one (1) square nut. The nuts shall be assembled on the rods; suitable means shall be provided for preventing loss in transit. The nuts shall be of the heavy-duty square type and shall meet the requirements of ANSI/ASME B18.2.2-87. The square nut shall be galvanized as per ANSI/ASTM A153.
- 9.6. The rod shall have a 3¹/₂” in. (88.9mm) minimum threaded end.
- 9.7. The ultimate strength shall not be less then 36,000 lbf (160.14 KN).
- 9.8. Dimensions for this material shall be approximately the following:

Length	120.00 in
Rod Diameter	1 in
Weight	26.019 lb



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10. Table 1: Warehouse ID No. & Compatible Model

Warehouse ID No.	Asset Site No.	Compatible Manufacturer & Catalog No.
002-13801	59014	Hubbell, by CHANCE Utility, Catalog No. – 5340

11. Inspection

11.1. 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 shall not prevent subsequent rejection if such material is found to be defective later.

12. Drawing



— End of Specification —











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Final Audit Report

2023-08-22

Created:	2023-08-22
By:	Barbara Ventura (Barbara.Ventura@Lumapr.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAADwrnVd_zO7LBo_5LVsPC2C4KtEMonMUo

"4752.177 Threaded Thimbleye Galvanized Anchor Rod 1in x 10ft" History

-  Document created by Barbara Ventura (Barbara.Ventura@Lumapr.com)
2023-08-22 - 1:32:05 PM GMT
-  Document emailed to Emmanuel E Rivera Cruz (emmanuel.riveracruz@lumapr.com) for signature
2023-08-22 - 1:34:47 PM GMT
-  Email viewed by Emmanuel E Rivera Cruz (emmanuel.riveracruz@lumapr.com)
2023-08-22 - 1:36:38 PM GMT
-  Document e-signed by Emmanuel E Rivera Cruz (emmanuel.riveracruz@lumapr.com)
Signature Date: 2023-08-22 - 1:36:59 PM GMT - Time Source: server
-  Document emailed to Rafael Torres-Martinez (rafael.torresm@lumapr.com) for signature
2023-08-22 - 1:37:00 PM GMT
-  Email viewed by Rafael Torres-Martinez (rafael.torresm@lumapr.com)
2023-08-22 - 1:37:29 PM GMT
-  Document e-signed by Rafael Torres-Martinez (rafael.torresm@lumapr.com)
Signature Date: 2023-08-22 - 1:42:58 PM GMT - Time Source: server
-  Document emailed to Rene Maldonado (rene.maldonado@lumapr.com) for signature
2023-08-22 - 1:42:59 PM GMT
-  Email viewed by Rene Maldonado (rene.maldonado@lumapr.com)
2023-08-22 - 1:44:57 PM GMT
-  Document e-signed by Rene Maldonado (rene.maldonado@lumapr.com)
Signature Date: 2023-08-22 - 1:45:06 PM GMT - Time Source: server

✔ Agreement completed.

2023-08-22 - 1:45:06 PM GMT