



Document Title:
One-Hand Compression Tool

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Material Specifications

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Distribution Standards & Materials

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Equipment Specification
Document No.: 4350.246
Item No.: 086-07434
Asset Suite: 54027
Originating Department: Distribution Engineering



One-Hand Compression Tool

1. Introduction

This is a general specification that covers the minimum requirements for manual compression tool 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

- a. Tool: Hubbell - Burndy (OH25) with leather belt holster
- b. Leather Belt Holster: Burndy (PT4583) or equivalent



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Document No.: 4350.246

Item No.: 086-07434

Asset Suite: 54027

Originating Department: Distribution Engineering

One-Hand Compression Tool

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)

7.1. Standard package: One (1) unit per box or as requested by LUMA Energy.

8. Acceptance Criteria

8.1. Test required: certified by external laboratories.

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

9. Description

9.1. This equipment is used for installing overhead service connectors in distribution system.

9.2. Shall have spring loaded handles with comfort grips.

9.3. A leather belt holster shall be included with the tool.

9.4. Shall have no exposed ratchet mechanism for security.

9.5. Shall be dieless and capable of make a full and uniform crimp with one easy operation to avoid overlapping or failure in the installation.

9.6. Material shall be heat treated steel.

9.7. The jaws shall be high strength forged steel with replaceable stainless steel indenter.

9.8. Shall be suitable to accept a conductor range of # 10 to 1/0 AWG.

9.9. Maximum force developed: 6,000 lbf (26.7 kN) and 50 lbf (0.2 kN) at handles.

9.10. Approximate Dimensions and Weight:

a. Weight: 2.50 lbs. (1.13 kg)

b. Length: 12.00" (30.48 cm)

c. Width: 3.75" (9.52 cm) and 6.25" (15.88 cm) on the handles side.

d. Height: 1.30" (3.30 cm)



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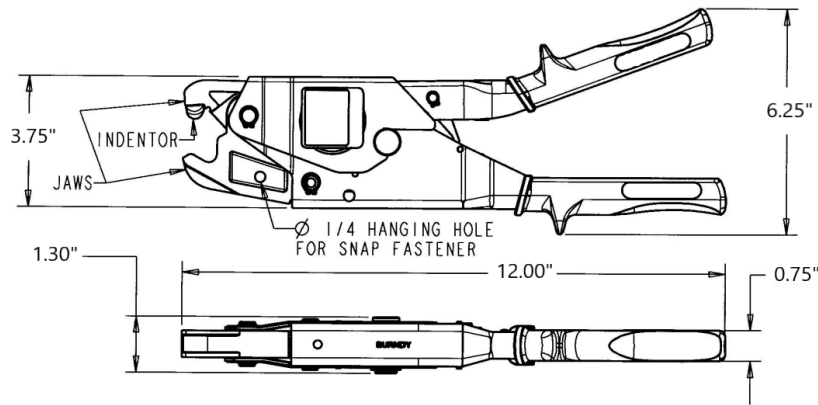


Figure 1

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.

11. Proposal Information

11.1. Submitted proposals must include:

- a. Technical information
- b. Table of Compliance completed by the bidder with reference. (See Appendix 1)

— End of Specification —



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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 4350.246		
2	Industry Standards	The Proponent complies with the industry standards established in the specification document. (ASTM)		
3	Material	<ul style="list-style-type: none">• Heat Treated Steel• Jaws: Forged Steel with Stainless Steel Indentor		
4	Approximate Dimensions and Weight	<ul style="list-style-type: none">• Weight 2.5 lbs.• Length 12.00"• Width 3.75"• Height 1.30"		
5	Product Requirements	<ul style="list-style-type: none">• Leather Belt Holster included• One-Hand easy operation• No exposed ratchet mechanism• Dieless• Replaceable Indentor• Force: 6,000 lbf and 50 lbf at handles		











4350.246 One-Hand Compression Tool (9-29-2022)

Final Audit Report

2022-09-29

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