



Document Title:
Hand Line Block

Document Type:
Specification

Engineering Type
Material Specification

Document No.:
4350.327

Department
Distribution

Version:
02

Effective Date:
Nov 20, 2023

Shared document with: Others

HSE

**Select the Departments impacted by the document*

For others, specify here

Author

Rodolfo A Flores Ortiz, PE
General Engineer, Distribution Standards & Materials

Signature and Date

Nov 17, 2023

Reviewer

Jose Costa Malaret
Manager, Field Safety

Signature and Date

Nov 17, 2023

Reviewer

Miguel J. Rios López, PE
General Engineer, Distribution Standards & Materials

Signature and Date

Nov 17, 2023

Approver

Ricardo Castro Gómez, PE
Manager, Distribution Standards & Materials

Signature and Date

Nov 20, 2023

Management Approval (If apply)

Approver

Name
Position

Signature and Date

N/A

Related/Referenced Documents

N/A.

Version History

Version	Date	Revision
01	09/07/2023	Initial release
02	11/17/2023	Revision to clarify items must be supplied as complete assembly. Revision of compatible set model.



Item Version History

Warehouse Catalog #	Asset Suite	Version	Date
072-85285	85285	2	11/17/2023



1. Introduction

This is a general specification that covers the minimum requirements for the hand line block 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 LUMA on previous orders will not have to furnish samples at bid opening. The equipment/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. Literature

Descriptive and technical literature must be supplied by the 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. Evidence of PREPA's and/or LUMA Energy's approval of the equipment/material shall be supplied by vendor if requested by LUMA Energy.

4. Markings

- 4.1. Wooden crates or packages must be clearly marked on the outside with LUMA Energy's purchase order, warehouse item number, and supplier's part number.
- 4.2. Packaging labels and tags shall be waterproof.

5. Compatible with:

See Table 1 for compatible manufacturers and models. These models are examples of the material(s) described in this document and do not represent a preference. LUMA will evaluate equally any model not listed here during any acquisition event.

6. Packaging

All equipment/material 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)

One (1) kit per package or as requested by LUMA Energy.

8. Acceptance Criteria

- 8.1. Test required: certified by external laboratories.
- 8.2. The equipment/material shall be manufactured in accordance with the latest applicable standard specifications. When conflicts occur between purchaser's specifications and the standard specifications, the purchaser's specification shall prevail.
- 8.3. Latest applicable codes, standards, and other regulations:
 - a. Safety can shall be FM approved and US & ULC listed. Shall be manufactured in accordance with NFPA and OSHA requirements.

9. Description

- 9.1. Hand line block used for lifting equipment and materials.
- 9.2. Set shall be supplied as a complete assembly composed of a hand line hook, a hand line snap hook, a hand line block, and rope.
- 9.3. **Hand Line Hook**
 - a. Shall have an opened curled loop at one end to which the user can splice the rope.
 - b. Shall have an eye loop near the center of the handle to facilitate the handling of the equipment.
- 9.4. **Hand Line Snap Hook**
 - a. The handline snap hook forged steel with swivel clevis and quick-acting plunger-style latch.
 - b. Compatible with a 1/2 inch handline.
 - c. Maximum safe load shall be at least 750 lb.
- 9.5. **Hand Line Block**
 - a. Material shall be nylon (fiberglass)
 - b. Shall have a 3 inch diameter sheave with a capacity for 1/2 inch or thicker diameter rope.
 - c. Shall be furnished with a swiveling top ring and a safety hook with a locking mechanism.
 - d. Safe Working Load shall be at least 1,000 lbs.
- 9.6. **Rope**
 - a. Shall be polyester composite with a diameter of 1/2 inch and a minimum length of 100 feet.

- b. Shall have 12 strands.

10. Inspection

The acceptance of any equipment/material 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 equipment/material 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).

12. Table 1: Warehouse Identification Table

Warehouse Number	Asset Suite	Assembly model	Individual items	Catalog model
072-85285	85285	REL-HL100B	Hand Line Hook	Reliable Equipment REL-HLH
			Hand Line Snap Hook	Klein Tools 470
			Han Line Block	Reliable Equipment REL-HLB-3

— End of Specification —



Appendix



Appendix 1: Table of Compliance

Criteria	Description	Pass/Fail (P / F)	Comments
Specification	The Proponent complies with the corresponding specification document (4350.327).		
Industry Standards	The Proponent complies with the industry standards established in the specification document.		
Hand Line Hook	Shall have an opened curled loop at one end to which the user can splice the rope.		
	Shall have an eye loop near the center of the handle to facilitate the handling of the equipment.		
Hand Line Snap Hook	The handline snap hook forged steel with swivel clevis and quick-acting plunger-style latch.		
	Compatible with a 1/2 inch handline.		
	Maximum safe load shall be at least 750 lb.		
Hand Line Block	Material shall be nylon (fiberglass)		
	Shall have a 3 inch diameter sheave with a capacity for 1/2 inch or thicker diameter rope.		
	Shall be furnished with a swiveling top ring and a safety hook with a locking mechanism.		
	Safe Working Load shall be at least 1,000 lbs.		
Rope	Shall be polyester composite with a diameter of 1/2 inch and a minimum length of 100 feet.		
	Shall have 12 strands.		