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Strut Channel Conduit Clamps – Stainless Steel

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Related/Referenced Documents

N/A

Version History

Version	Date	Revision Comments
1	Dec. 08, 2021	Initial Release
2	Aug. 18, 2023	Format update.
3	Jul. 17, 2024	Format corrections, TOC update, Section 4 modified, and sections order rearranged.



Item Version History

Warehouse Catalog #	Asset Suite #	Version	Date
038-85256	85256	2	7/17/2024
038-83142	83142	3	7/17/2024
038-83143	83143	3	7/17/2024
038-83144	83144	3	7/17/2024
038-83145	83145	3	7/17/2024
038-83146	83146	3	7/17/2024



1. Introduction

This is a general specification that covers the minimum requirements for stainless steel strut channel conduit clamps 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 equipment/material.

2. Special Requirements

Samples shall be furnished as requested by LUMA Energy. Vendors that have supplied this equipment/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. If required by LUMA, final drawings shall be submitted by the vendor before the manufacturing and shipping process for approval.

4. Compatible with

For compatible manufacturer and model see Table 2. These models are examples of the equipment/material described in this document and do not represent a preference. LUMA will evaluate equally any model not listed here during any acquisition event.

5. Markings

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

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)

7.1. Standard package: As requested by LUMA Energy.

7.2. See Table 1 for standard package quantity.

8. Acceptance Criteria

8.1. Test required: certified by external qualified laboratories.

8.2. Product shall be manufactured in accordance with the latest issue below (section 8.3). When conflicts occur between purchaser's specifications and the latest issue below, the purchaser's specification shall prevail.

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

a. ASTM A480/A480M – Specification for general requirements for flat-rolled stainless and heat-resisting steel plate, sheet, and strip.

b. ASTM A240/A240M – Standard specification for chromium, chromium-nickel, and chromium-manganese-nickel stainless steel plate, sheet, and strip for pressure vessels and for general applications.

c. ASTM A276/A276M - Standard specification for stainless steel bars and shapes.

d. ASTM A380/A380M – Standard practice for cleaning, descaling, and passivation of stainless-steel parts, equipment, and systems.

8.4. If any other standard different from the ones indicated in this document are used, the supplier must provide information showing compatibility with the required ones.

9. Description

9.1. Strut channel conduit clamps are designed for use in standard 1-5/8" channels at any point along the slot side of the channel and are inserted into the two channel returns to attached conduit perpendicular to strut beam.

9.2. Used to attach conduit on riser support assembly near coastal areas.

9.3. They are made of 304 stainless steel and are highly corrosive resistant which makes them suitable for outdoor use near coastal areas.

9.4. Supplied with stainless nut and bolt.

9.5. For conduits outside diameter, clamp sizes and dimensions see Table 1.



9.6. Table 1: Length, Weight, and Mounting Bolt

Item Description	Conduit Outside Diameter	Mounting Bolt	Approx. Weight per Unit	Units per Case	Minimum Quantity
1 in. strut channel conduit clamp Stainless Steel 304	1.315 in (3.34 cm)	1/4"-20 x 3/4"	0.35 lbs (0.16 kg)	50	5
2 in. strut channel conduit clamp Stainless Steel 304	2.375 in (6.03 cm)	5/16" - 18 x 1"	0.35 lbs (0.16 kg)	50	5
3 in. strut channel conduit clamp Stainless Steel 304	3.50 in (8.89 cm)	5/16" - 18 x 1"	0.42 lbs (0.19 kg)	50	5
4 in. strut channel conduit clamp Stainless Steel 304	4.50 in (11.43 cm)	3/8" - 16 x 1 1/4"	0.61 lbs (0.28 kg)	25	5
6 in. strut channel conduit clamp Stainless Steel 304	6.625 in (16.83 cm)	3/8" - 16 x 1 1/4"	0.92 lbs (0.42 kg)	25	5
8 in. strut channel conduit clamp Stainless Steel 304	8.625 in (21.91 cm)	3/8" - 16 x 1 1/4"	0.95 lbs (0.43 kg)	25	1

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/materials were found later to be defective.

11. Proposal Information

11.1. Submitted proposals must include:

- a. Technical information, tests, and drawings.
- b. Table of Compliance completed by the bidder with reference (see Appendix 1).

12. Table 2: Warehouse and Asset Suite Identification Number

Item Description	Warehouse Catalog #	Asset Suite #	Compatible Manufacturer	Part #
1 in. strut channel conduit clamp Stainless Steel 304	038-85256	85256	Fastenal	46938
2 in. strut channel conduit clamp Stainless Steel 304	038-83142	83142	Fastenal	46941
3 in. strut channel conduit clamp Stainless Steel 304	038-83143	83143	Fastenal	46943
4 in. strut channel conduit clamp Stainless Steel 304	038-83144	83144	Fastenal	46944
6 in. strut channel conduit clamp Stainless Steel 304	038-83145	83145	Fastenal	46946
8 in. strut channel conduit clamp Stainless Steel 304	038-83146	83146	Fastenal	46947

— End of Specification —



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Stainless Steel

Document No.: 4350.116

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Appendix



Appendix 1: Table of Compliance

Line	Description	Pass/Fail (P / F)	Comments
1	The Proponent complies with the corresponding specification document (4350.116).		
2	The Proponent complies with the industry standards established in the specification document (ANSI/ASTM).		
3	Tech. info., tests & drawings provided.		
4	<ul style="list-style-type: none">• Made of Hot Dip Galvanize Steel• Supplied with stainless steel nut and bolt.		
5	See Table 1: Conduit Outside Diameter See Table 1: Length and Mounting Bolt		
6	See Table 1: Approx. Weight per Unit		

NOTE: This table is only a check list for reference. The compliance shall be with the complete document. Marking a PASS in the table won't be accepted as a compliance without the technical information required to certify it.











4350.116 Strut Channel Conduit Clamps Stainless Steel(July 2024)

Final Audit Report

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