

**METRIC**

MIL-S-24623/4 (NAVY)

26 June 1989

MILITARY SPECIFICATION SHEET

SPLICE, FIBER OPTIC, SHIPBOARD  
MECHANICAL (ROTARY), FIBER (METRIC)

This specification is approved for use by the Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation: MIL-S-24623.

CLASSIFICATION

Splice type: M (Mechanical).  
Fiber style: SM or MM (Single-mode or multimode).  
Class: A (Fiber splice).

DESIGN AND CONSTRUCTION

Dimensions: See figure 1.  
Weight:  $\leq$  3 grams.  
Materials: Glass, ceramics, or composites.  
Installation time:  $\leq$  15 minutes.

PERFORMANCE REQUIREMENTS

Environmental properties:  
Temperature range: 4 (Operating: minus 28 to plus 85°C,  
Storage: minus 62 to plus 85°C.)  
Nuclear radiation: N/A.  
Freezing water: N/A.  
Fluid immersion: N/A.  
Sand and dust: N/A.

Intended use: This splice is intended for use in protected areas such as interconnection boxes or equipment cabinets. It is not intended for unsheltered use.

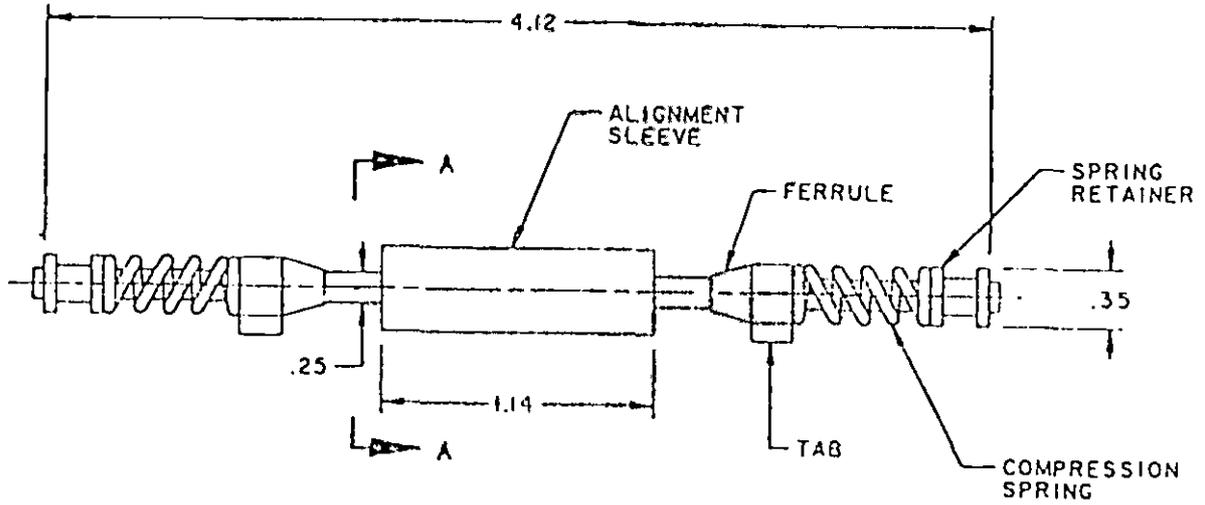
PART IDENTIFYING NUMBER: D24623/04-011.

AMSC N/A

FSC 6060

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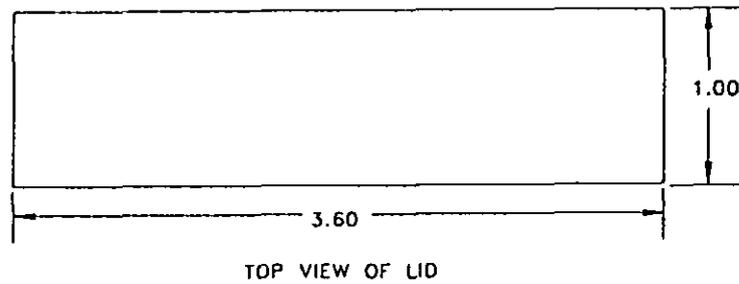
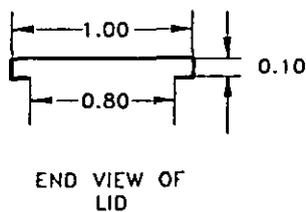
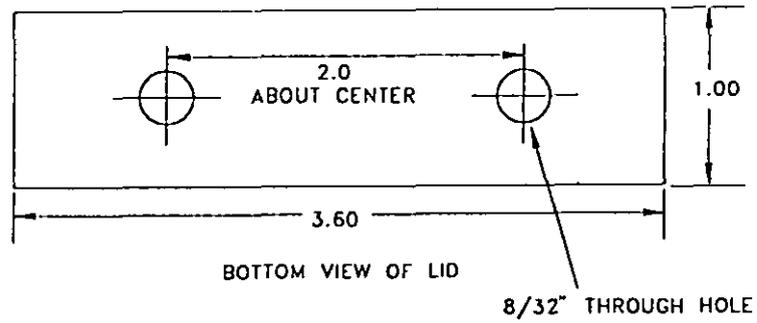
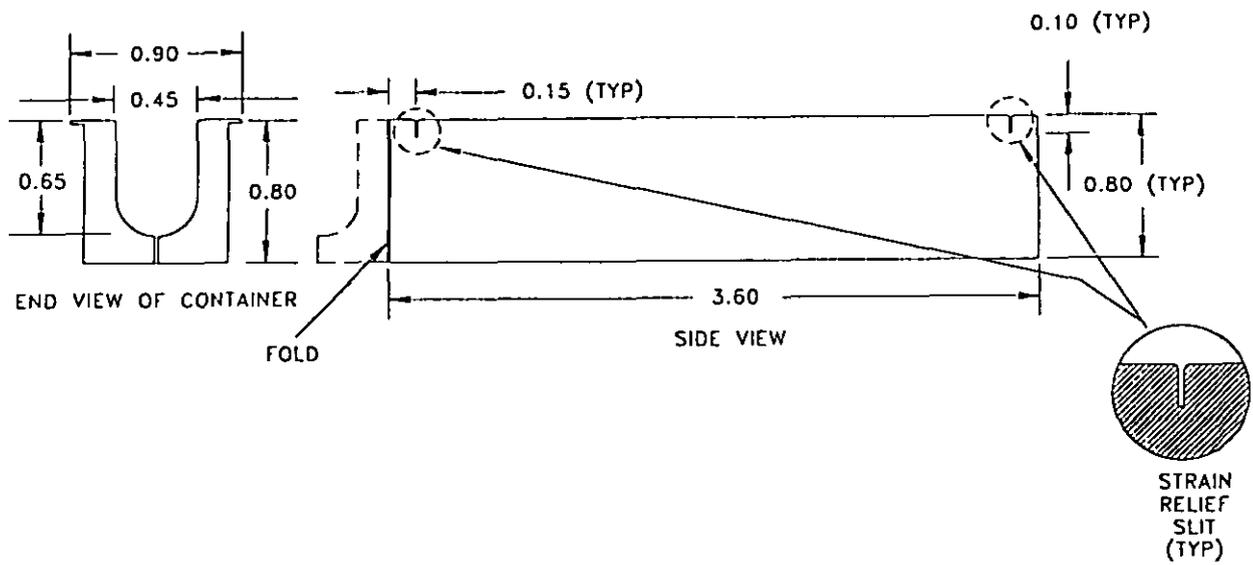
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SECTION A-A

NOTE: All dimensions are in centimeters.

FIGURE 1. Rotary splice.



MATERIALS: STAINLESS STEEL  
ROUNDED EDGES

INTENDED USE: HOUSING IS INTENDED TO BE USED WITH ROTARY SPLICE  
WHEN ROTARY SPLICE IS NOT USED IN SPLICE TRAYS.

FIGURE 2. Protective housing for rotary splice.

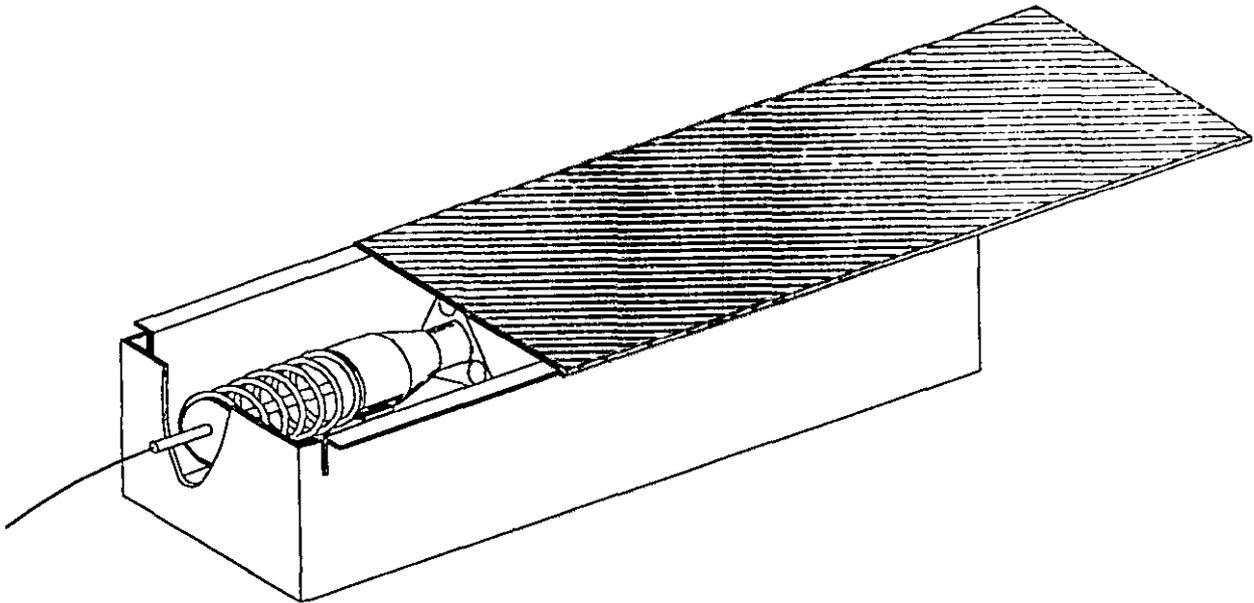


FIGURE 3. Rotary splice container in protective housing.

Review activities:  
Navy - EC, YD

Preparing activity:  
Navy - SH  
(Project 6060-N024-01)