

[INCH-POUND]  
MIL-DTL-32108  
11 June 2004  
Superseding  
FF-S-2874

## DETAIL SPECIFICATION

### Spreader Bars for Lifting Slings

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

#### 1. SCOPE

1.1 Scope. This specification covers spreader bars and multiple leg sling sets for lifting older military vehicles and large equipment. Military vehicles designed to current standards should not require spreader-bars.

1.2 Classification. Sling set spreader bars will be of the following sizes, as specified (see 6.2).

1.2.1 Size. Sizes of the spreader bars are as follows:

Size 30/9      9-foot bar, 60,000 pound rated capacity [30-STON (27-MTON)]  
Size 40/18     18-foot bar, 80,000 pound rated capacity [40-STON (36-MTON)]

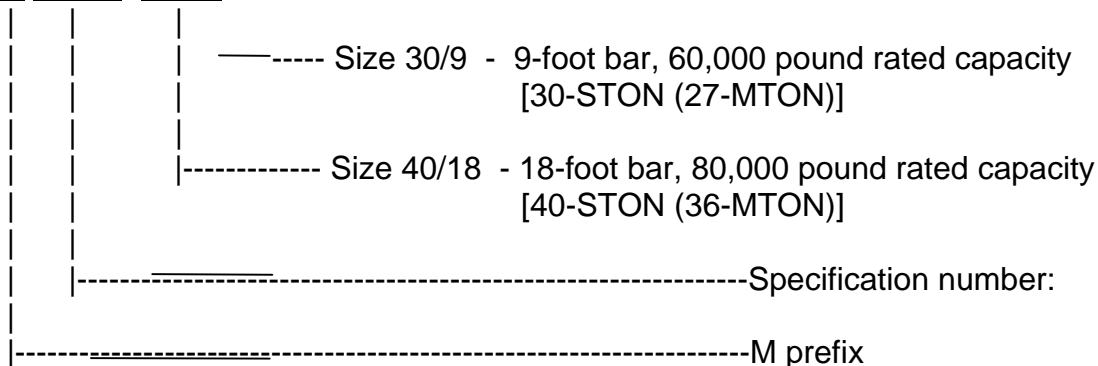
1.3 Part Identifying Number (PIN). The following PIN procedure is for government purposes and does not constitute a requirement for the contractor. The PIN to be used for sling set spreader bars acquired to this specification are created as follows:

Comments, suggestions, or questions on this document should be addressed to Director, SDDC Transportation Engineering Agency, ATTN: SDTE-DPE, 720 Thimble Shoals Blvd - Suite 130, Newport News, VA 23606-4537 or emailed to DPEmail@tea.army.mil. Since contact information can change, you may want to verify the currency of this address information using the ASSIST Online database at [www.dodssp.daps.mil](http://www.dodssp.daps.mil).

AMSC N/A

FSC 3940

M 32108- 40/18



2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 3, 4, or 5 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements of documents cited in sections 3, 4, or 5 of this specification, whether or not they are listed.

2.2 Government documents.

2.2.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those cited in the solicitation or contract.

Federal Specifications

- FF-T-276 Thimbles, Rope
- RR-C-271 Chain and Attachments, Welded and Weldless
- RR-W-410 Wire Rope and Strand

(Copies of these documents are available online at <http://assist.daps.dla.mil/quicksearch/> or [www.dodssp.daps.mil](http://www.dodssp.daps.mil) or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

2.3 Non-Government publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those cited in the solicitation or contract.

American Society for Testing and Materials (ASTM)

ASTM A36/A36M	Specification for Carbon Structural Steel
ASTM A53/A53M	Specification for Pipe, Steel Black and Hot-Dipped Zinc-Coated, Welded and Seamless
ASTM A123/A123M	Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products

(Copies of these documents are available at <http://www.astm.org>.)

American Welding Society (AWS)

AWS D1.1/D1.1M Structural Welding Code, Steel

(Copies of this document are available at <http://www.aws.org>.)

2.4 Order of Precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedent. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

### 3. REQUIREMENTS

3.1 Sling Assembly. The sling assembly, as used in this specification, shall consist of upper, lower, and extension wire rope (cable) legs, thimbles, spreader bar, shackles, master-links, and bolts. Spreader bar shall be constructed as shown in figures 1 and 2 or 3 through 5. Spreader bars shall be primed and painted to commercial standard for marine environment. Recommended color is given in 6.2.

3.2 First Article. When specified (see 6.2), a sample sling assembly shall be subjected to first article inspection in accordance with 4.2.

3.3 Materials. The supplier shall select materials that are capable of meeting all of the operational requirements specified herein. Materials not specified herein shall be of the same quality used for the intended purpose in commercial practice.

3.4 Engineering Sketches. Figures 1 through 5 are engineering design sketches. Preparation of shop drawings is the responsibility of the manufacturer. Where prescribed tolerances could cumulatively result in incorrect fits, the supplier shall adjust his manufacturing tolerances to insure correct fit, assembly and operation of the items. No deviation from the prescribed dimensions is permissible without approval of the contracting officer.