

METRIC

A-A-59007

1 July 1997

SUPERSEDING

MIL-B-1163

2 September 1988

## COMMERCIAL ITEM DESCRIPTION

## BARS, FLINDERS

The General Services Administration has authorized the use of this Commercial Item Description for all Federal Agencies.

1. **SCOPE.** This Commercial Item Description covers requirements for flinders bars. As many sections as required are installed vertically in a brass tube on the side of the compass opposite to the effective pole of the ships field for compass correction.

2. **SALIENT CHARACTERISTICS.**

2.1 Materials. The flinders bars shall be made of the highest grade commercial pure annealed soft iron having no permanent magnetism and worked in such a manner as to avoid introduction of mechanical strain due to shear or otherwise. Bars shall be cleaned, dried and unit protected to provide protection from physical damage and mechanical malfunction.

2.2 Construction. The flinders bars shall be 609.6 mm overall and shall be comprised of four sections, each of which shall be cylindrical and 50.8 mm in diameter. One section shall be 304.8 mm in length, one section 152.4 mm in length and two sections 76.2 mm in length.

2.3 Workmanship. Workmanship shall be such that the flinders bars will pass surface inspection and chemical analysis.

2.4 Spacers. Nonmagnetic spacers shall be included with the flinders bars. They shall be cylindrical and approximately the same length as the flinders bars and 47.6 mm in diameter.

2.5 Case. A case shall be provided to contain the flinders bars and the spacers. It shall be constructed so that it can be fastened securely. Cushioning materials shall be provided to protect the flinders and spacers to restrict their movement within the case during transport and stowage onboard naval vessels under at-sea conditions.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, Naval Sea Systems Command, Sea 03R42, 2531 Jefferson Davis Hwy., Arlington, VA 22242-5160 by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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3. **REGULATORY REQUIREMENTS.** The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

4. **QUALITY ASSURANCE PROVISIONS.** The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of the Commercial Item Description, and that the product conforms to the producers own drawings, specifications, standards, and quality assurance practices, and is the same product offered for sale in the commercial marketplace. The Government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

5. **PACKAGING.** Preservation, packing, and marking shall be as specified in the contract or order.

6. **NOTES.**

6.1 Ordering data. Acquisition documents should specify the following:

- (a) Title, number, and date of this Commercial Item Description
- (b) Manufacturer name
- (c) Quantity required

MILITARY INTEREST:

Army - AV  
Navy - SH

Preparing activity:

Navy - SH  
(Project 6605-0469)

# STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

## INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

### I RECOMMEND A CHANGE:

1. DOCUMENT NUMBER  
A-A-59007

2. DOCUMENT DATE (YYMMDD)  
970701

3. DOCUMENT TITLE BARS, FLINDERS

4. NATURE OF CHANGE Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)

### 5. REASON FOR RECOMMENDATION

### 6. SUBMITTER

a. NAME (Last, First, Middle Initial)

b. ORGANIZATION

c. ADDRESS (Include Zip Code)

d. TELEPHONE (Include Area Code)  
(1) Commercial  
(2) AUTOVON  
(if applicable)

7. DATE SUBMITTED  
(YYMMDD)

### 8. PREPARING ACTIVITY

a. NAME  
DENNIS MC CRORY

b. TELEPHONE Include Area Code)  
(1) Commercial (2) AUTOVON  
(703) 602-5087 332-5087

c. ADDRESS (Include Zip Code)  
COMMANDER, SEA 03R42, NAVAL SEA SYSTEMS  
COMMAND, 2531 JEFFERSON DAVIS HIGHWAY  
ARLINGTON, VA 22242-5160

IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:  
DEFENSE QUALITY AND STANDARDIZATION OFFICE  
5203 Leesburg Pike, Suite 1403, Falls Church, VA 22401-3466  
Telephone (703) 756-2340 AUTOVON 289-2340