

MIL-I-24137(SHIPS)  
AMENDMENT 2  
24 December 1980  
SUPERSEDING  
AMENDMENT 1  
25 March 1969

## MILITARY SPECIFICATION

### IRON CASTINGS, NODULAR GRAPHITIC (DUCTILE IRON) AND NODULAR GRAPHITIC (CORROSION RESISTING, AUSTENITIC, LOW MAGNETIC PERMEABILITY) (FOR SHIPBOARD APPLICATION)

This amendment forms a part of Military Specification MIL-I-24137(SHIPS), dated 23 April 1965.

PAGES 1 AND 2

#### 2.2 Delete and substitute:

"2.2 Other publications. The following documents form a part of this specification to the extent specified herein. Unless otherwise indicated, the issue in effect on date of invitation for bids or request for proposal shall apply.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

E-8 - Methods of Tension Testing of Metallic Materials.

(Copies may be obtained from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, Pennsylvania 19103.)

UNIFORM CLASSIFICATION COMMITTEE

Uniform Freight Classification Rules.

(Application for copies should be addressed to the Uniform Classification Committee, 1 Park Ave. at 33rd St., New York, New York 10016.)

(Technical society and technical association specifications and standards are generally available for reference from libraries. They are also distributed among technical groups and using Federal agencies."

Table I, Class A: Under: "Silicon" and "Phosphorus" add footnote "3/" and add at end of table, "3/ For castings with sections 1/2 inch and smaller, maximum silicon content of 2.75 percent and maximum phosphorus content of .08 percent are allowed. For each reduction of .01 percent phosphorus below the .08 percent maximum specified, an increase of .08 percent silicon above the 2.75 percent maximum specified to a maximum of 3.00 percent will be permitted."

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3.7, line 6: Delete "bureau" and substitute "command or".

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\* 4.1 Delete and substitute:

"4.1 Responsibility for inspection. Unless otherwise specified in the contract, the contractor is responsible for the performance of all inspection requirements as specified herein. Except, as otherwise specified in the contract, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

4.1.1 Certification of quality compliance. A certificate of quality compliance shall be prepared for each lot of material offered for acceptance (see 6.1.1). The certificate shall include actual data of specified chemical and mechanical tests. Qualitative results of nondestructive tests and other inspections or tests shall be recorded on the certificate. The certificate shall also state that each lot has been sampled, tested, and inspected in accordance with the specification and meets all specification requirements. The certificate shall be signed by a responsible representative of the contractor."

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4.3.1.1, line 2: Delete "bureau" and substitute "command".

4.3.1.3 Delete and substitute:

"4.3.1.3 Test specimens obtained from test blocks sectioned as shown on figure 2 shall be machined to the form of round type specimens as specified in ASTM E-8. In cases where castings are sectioned to obtain test specimens, the location from which test specimens are to be taken and the type of test specimen to be used shall be specified by the command or agency concerned."

4.3.1.4 Delete and substitute:

"4.3.1.4 One tension test shall be conducted for each lot in accordance with ASTM E-8."

4.3.2, line 7: Delete "bureau" and substitute "command".

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"5. PREPARATION FOR DELIVERY", insert:

"(The preparation for delivery requirements specified herein apply only for direct Government procurements.)"

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\* Add the following:

"6.1.1 Data requirements. When this specification is used in a procurement which incorporates a DD Form 1423 and invokes the provisions of 7-104.9(n) of the Defense Acquisition Regulations, the data requirements identified below will be developed as specified by the Data Item Description (DD Form 1664) and delivered in accordance with the approved Contract Data Requirements List (DD Form 1423) incorporated into the contract. When the provisions of DAR 7-104.9(n) are not invoked, the procurement document will specify that the data specified below is to be delivered by the contractor (use of the DID in this case is not required). Deliverable data required by this specification is cited in the following paragraph:

<u>PARAGRAPH</u>	<u>DATA REQUIREMENT</u>	<u>APPLICABLE DID</u>
4.1.1	Certificate of Quality Compliance	UDI-A-23264 Certification Data/ Report

(Copies of data item descriptions required by contractors in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

6.1.1.1 The data requirements of 6.1.1 and any task in section 3, 4, or 5 of this specification required to be performed to meet a data requirement may be waived by the contracting/acquisition activity upon certification by the offeror that identical data were submitted by the offeror and accepted by the Government under a previous contract for identical item acquired to this specification. This does not apply to specific data which may be required for each contract regardless of whether an identical item has been supplied previously (for example, test reports)."

LAST PAGE

\* DD 1426, SPECIFICATION ANALYSIS SHEET: Delete address and substitute:

"COMMANDER  
NAVAL SEA SYSTEMS COMMAND (SEA 3112)  
DEPARTMENT OF THE NAVY  
WASHINGTON, DC 20362"

NOTE: The margins of this amendment are marked with an asterisk (\*) to indicate where changes (additions, modifications, corrections, deletions) from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of the marginal notations and relationship to the last previous amendment.

Preparing activity:  
Navy - SH  
(Project MECA-N084)