

MIL-S-44300
8 October 1987
SUPERSEDING
IP/DES S-7-4
12 December 1974

MILITARY SPECIFICATION

SKI, MILITARY, ALL TERRAIN

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

1. SCOPE

1.1 Scope. This document covers a military ski.

1.2 Classification. Skis shall be of the following sizes, as specified (see 6.2).

- Size 1 - 180 centimeters overall length
- Size 2 - 190 centimeters overall length
- Size 3 - 200 centimeters overall length
- Size 4 - 210 centimeters overall length

2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Documents. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents shall be those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation.

SPECIFICATIONS

FEDERAL

- PPP-B-601 - Boxes, Wood, Cleated-Plywood
- PPP-B-621 - Boxes, Wood, Nailed and Lock Corner
- PPP-B-636 - Boxes, Shipping, Fiberboard

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: U.S. Army Natick Research, Development, and Engineering Center, Natick, MA 01760-5014 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 8465

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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STANDARDS

FEDERAL

FED-STD-595 - Colors

MILITARY

MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes

MIL-STD-129 - Marking for Shipment and Storage

(Copies of documents required by contractors in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting activity.)

2.2 Other publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents which are DOD adopted shall be those listed in the issue of the DODISS specified in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS shall be the issues of the nongovernment documents which are current on the date of solicitation.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

D 3951 - Standard Practice for Commercial Packaging

(Application for copies should be addressed to the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.)

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

2.3 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 shall take precedence. Nothing in this document, however, shall supersede applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 First article. When specified in the contract or purchase order, a sample shall be subjected to first article inspection (see 4.3, 6.2, and 6.3).

3.2 Materials. The materials shall be of the quality and type used by the contractor provided the completed item complies with all provisions of this specification.

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3.3 Design and construction. The design and construction of the ski being procured shall be in accordance with the approved standard sample (see 6.3). Each ski shall have a 13/16 inch groove in the heel and the 3/8 inch diameter hole in the tip as shown in figure 1.

3.4 Finish. The color of the surface on the top of the ski shall approximate lusterless white color No. 37875 of FED-STD-595.

3.5 Identification marking. Each ski shall be permanently and legibly indented or marked with the manufacturer's name or tradename, or trademark of such characters as to be identifiable with the manufacturer,

3.6 Workmanship. The skis shall conform to the quality of product established by this document and the occurrence of defects shall not exceed the applicable acceptable quality levels.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or purchase order, 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 this document where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

4.1.1 Responsibility for compliance. All items must meet all requirements of sections 3 and 5. The inspection set forth in this document shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the document shall not relieve the contractor of the responsibility of assuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling in quality conformance does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to acceptance of defective material.

4.2 Classification of inspections. The inspection requirements specified herein are classified as follows:

- a. First article inspection (see 4.3)
- b. Quality conformance inspection (see 4.4)

4.3 First article inspection. When a first article is required (see 6.2), it shall be examined for the defects specified in 4.4.2. The presence of any defect shall be cause for rejection of the first article.

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4.4 Quality conformance inspection. Unless otherwise specified, sampling for inspection shall be performed in accordance with MIL-STD-105.

4.4.1 Component and material inspection. In accordance with 4.1, components and materials shall be inspected in accordance with all the requirements of referenced documents unless otherwise excluded, amended, modified, or qualified in this document or applicable purchase document.

4.4.2 End item visual examination. The end item shall be examined for the defects listed in table I. The lot size shall be expressed in units of skis. The sample unit shall be one ski. The inspection level shall be II and the acceptable quality level (AQL) expressed in terms of defects per hundred units, shall be 2.5 for major and 10.0 for total (major and minor combined) defects.

TABLE I. End item visual defects.

Examine	Defect	Classification	
		Major	Minor
Finish	Color of the surface on the top of the ski does not approximate lusterless white color No. 37875		X
Design and construction	Any deviation from the approved standard sample	X	
	Groove in heel or hole in tip of ski is missing	X	
	Groove in heel or hole in tip of ski not of the specified dimension		X
Marking for identification	Missing, illegible, or incomplete		X

4.4.3 Packaging examination. The fully packaged end items shall be examined for the defects listed below. The lot size shall be expressed in units of shipping containers. The sample unit shall be one shipping container fully packaged. The inspection level shall be S-2 and the AQL, expressed in terms of defects per hundred units, shall be 2.5.

<u>Examine</u>	<u>Defect</u>
Marking (exterior and interior)	Omitted; incorrect; illegible; of improper size, location, sequence, or method of application.
Materials	Any component missing, damaged, or not as specified.

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<u>Examine</u>	<u>Defect</u>
Workmanship	Inadequate application of components, such as: incomplete sealing or closure of flap, loose strapping, or inadequate stapling. Bulged or distorted container.
Content	Number per container is more or less than required.

5. PACKAGING

5.1 Preservation. Preservation shall be level A or Commercial as specified (see 6.2).

5.1.1 Level A. Each ski shall be inserted in a full-length, close-fitting, clear polyethylene bag with a nominal film thickness of 0.003 inch. The bag opening shall be closed by heat sealing, a covered wire tie, or pressure-sensitive tape.

5.1.2 Commercial. Skis shall be preserved in accordance with ASTM D 3951.

5.2 Packing. Packing shall be level A, B, or Commercial as specified (see 6.2).

5.2.1 Level A packing. Ten skis (five pair), of one size only, preserved as specified in 5.1.1, shall be nested and packed in a close-fitting, cleated-plywood box conforming to overseas type of PPP-B-601, or class 2 of PPP-B-621.

5.2.2 Level B packing. Ten skis (five pair), of one size only, preserved as specified in 5.1.1, shall be nested and packed in a close-fitting fiberboard container conforming to style FPF, type CF, variety DW, grade 350 of PPP-B-636. Each shipping container shall be closed and reinforced as specified in the appendix of PPP-B-636.

5.2.2.1 Weather-resistant fiberboard containers. When specified (see 6.2), the shipping container shall be a grade V3c, V3s, or V4s fiberboard box fabricated in accordance with PPP-B-636, and closed and reinforced as specified in the appendix of PPP-B-636.

5.2.3 Commercial packing. Skis, preserved as specified in 5.1, shall be packed in accordance with ASTM D 3951.

5.3 Marking. In addition to any special marking required by the contract or purchase order, shipping containers shall be marked in accordance with MIL-STD-129 or ASTM D 3951, as applicable.

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6. NOTES

6.1 Intended use. The ski is intended for use by Military personnel in downhill and cross-country tactical operations for mass movement of troops over snow.

6.2 Ordering data. Acquisition documents should specify the following:

- a. Title, number, and date of this document.
- b. Size of ski required (see 1.2).
- c. When a first article sample is required (see 3.1, 4.3, and 6.4).
- d. Selection of applicable levels of preservation and packing (see 5.1 and 5.2).
- e. When weather-resistant grade shipping containers are required for Level B packing (see 5.2.2.1).

6.3 Samples.

6.3.1 Source. Standard sample is available from the following agency:

Commander
Defense Personnel Support Center
ATTN: DPSC-FQP
2800 South 20th Street
Philadelphia, PA 19101-8419

6.3.2 Identification information. Standard sample will have the following identification information engraved thereon.

Manufacturer's Name
Model ski
STRNC - (Certification No.)

6.4 First article. When a first article is required, it shall be inspected and approved under the appropriate provisions of FAR 52.209. The first article should be a preproduction sample. The contracting officer should specify the appropriate type of first article and the number of units to be furnished. The contracting officer should include specific instructions in all acquisition instruments regarding arrangements for selection, inspection, and approval of the first article.

6.5 Subject term (key word) listing.

All terrain
Ski
Snow

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Custodians:

Army - GL
Navy - NU
Air Force - 99

Review activities:

Air Force - 82
DLA - CT

User activity:

Navy - MC

Preparing activity:

Army - GL
Project No. 8465-0963

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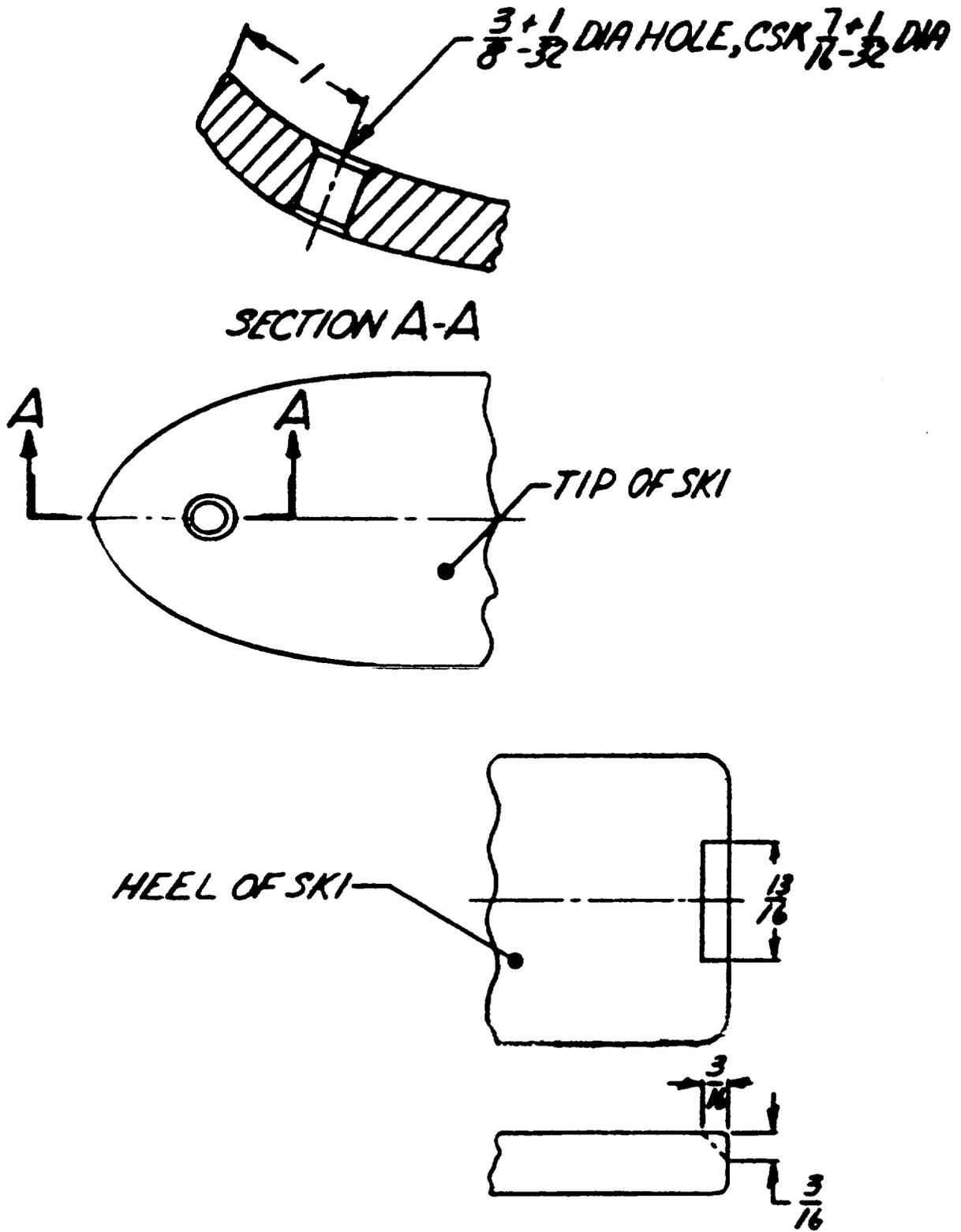


FIGURE-1 SKI, MILITARY, ALL-TERRAIN, ILLUSTRATION SHOWING GROOVE IN HEEL AND $\frac{3}{8}$ " DIA HOLE IN TIP

DRWG. NO. 2-10-67

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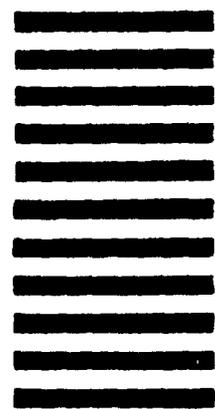


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STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions - Reverse Side)

1. DOCUMENT NUMBER MIL-S-44300		2. DOCUMENT TITLE Ski, Military, All Terrain	
3a. NAME OF SUBMITTING ORGANIZATION		4. TYPE OF ORGANIZATION (Mark one)	
3b. ADDRESS (Street, City, State, ZIP Code)		<input type="checkbox"/> VENDOR	
		<input type="checkbox"/> USER	
		<input type="checkbox"/> MANUFACTURER	
		<input type="checkbox"/> OTHER (Specify): _____	
5. PROBLEM AREAS			
a. Paragraph Number and Wording:			
b. Recommended Wording:			
c. Reason/Rationale for Recommendation:			
6. REMARKS			
7a. NAME OF SUBMITTER (Last, First, MI) - Optional		8. WORK TELEPHONE NUMBER (Include Area Code) - Optional	
c. MAILING ADDRESS (Street, City, State, ZIP Code) - Optional		9. DATE OF SUBMISSION (YYMMDD)	