

INCH-POUND

MIL-C-4751D  
AMENDMENT 3  
5 SEPTEMBER 1997  
SUPERSEDING  
AMENDMENT 2  
22 SEPTEMBER 1982

MILITARY SPECIFICATION

CASTERS, RIDGE AND SWIVEL, PRECISION  
HEAVY DUTY, AND SHOCK ABSORBING

This amendment forms a part of MIL-C-4751D, dated 2 MARCH 1983, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

\* Delete Beneficial comments and substitute with:

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: the Defense Industrial Supply Center, (Code DISC-EED), 700 Robbins Avenue, Philadelphia, PA 19111-5096, by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

Add distribution statement:

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

PAGE 2

Under STANDARDS, MILITARY, delete MIL-STD-143 and substitute:

"MIL-STD-970 - Standards and Specifications, Order of Preference For the Selection Of"

Delete: MIL-STD-1188 - Commercial Packaging of Supplies and Equipment

Add the following new paragraph 2.1.1.1 and industry standard:

"2.1.1.1 Other publications. The following document(s) form a part of this specification to the extent specified herein. The issues of the documents which are indicated as DoD adopted shall be the issue listed in the current DoDISS and the supplement thereto, if applicable."

" AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM D3951 - Packaging, commercial

AMSC N/A

FSC 5340

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

MIL-C-4751D  
AMENDMENT 3

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

\* Delete paragraph 3.1.

PAGE 3

3.3 Delete MIL-STD-143 and substitute MIL-STD-970.

PAGE 7

3.21 Bolt connections.

Add the following sentence at the end of the paragraph:

"When self-locking or plain nuts are used, at least two complete threads shall protrude through the nut."

PAGE 8

\* 4.2 Delete: "a. Qualification inspection (see 4.3)."

\* Delete paragraphs 4.3, 4.3.1, 4.3.2 and 4.3.3.

PAGE 12

Delete paragraph 5.1 through 5.2.2 and substitute the following paragraph 5.1 through 5.2.2:

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

5.1.1 Level A.

5.1.1.1 Unit Packaging. Casters shall be preserved in accordance with method I of MIL-P-116. Ball or roller identification bearings shall be adequately lubricated with a preservative grease conforming to MIL-C-10924, or equal. Each caster shall be wrapped in Grade A greaseproof barrier material conforming to MIL-B-121 and further overwrapped with kraft paper, 60-pound (24" by 36") to prevent abrasion. Unit quantities shall be as specified by the procuring activity.

5.1.2 Commercial/Industrial. Casters shall be preserved and packaged in accordance with the ASTM D3951.

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

MIL-C-4751D  
AMENDMENT 3

5.2.1 Level A. Casters preserved and packaged as specified in 5.1 shall be packaged in exterior shipping containers conforming to Class 2, PPP-B-585, Style 3, PPP-B-601 overseas type, or PPP-B-621, Class 2. As far as practical, exterior container shall be of uniform shape and size, of minimum cube and tare consistent with the protection required, and shall contain identical quantities. The gross weight of each pack shall be limited to approximately 200 pounds. Containers shall be closed and strapped in accordance with the applicable container specification or appendix thereto. Flat steel strapping shall be Type I, Class B. Containers shall be provided with a case liner conforming to MIL-L-10547 and shall be sealed in accordance with the appendix thereto. The case liner will not be required when the unit, intermediate, or exterior container is sealed at all joints and seams, including the manufacturer's joint, with tape conforming to PPP-T-60.

5.2.2 Level B. Casters preserved and packaged as specified in 5.1 shall be packed in weather resistant type exterior containers conforming to PPP-B-576, and domestic type containers conforming to PPP-B-591, PPP-B-601, or PPP-B-621. Exterior containers shall be of minimum cube and tare consistent with the protection required. As far as practical, exterior containers shall be of uniform shape and size and shall contain identical quantities. The gross weight of each pack shall be limited to approximately 500 pounds. Containers shall be closed and strapped in accordance with the applicable container specification or appendix thereto."

PAGE 13

Delete paragraph 5.2.3 and substitute the following:

"5.2.3 Commercial/Industrial. Packages which require overpacking for acceptance by the carrier shall be packed in accordance with ASTM D3951."

Delete paragraph 5.3 and substitute the following:

"5.3 Physical protection. Cushioning, blocking, bracing, and bolting as required shall be in accordance with MIL-STD-1186 except for domestic shipment, waterproofing requirements for cushioning materials and containers shall be waived. The drop tests of MIL-STD-1186 shall be waived when preservation and packaging, and packing of the item are for immediate use or when the drop tests of MIL-P-116 are applicable."

Delete paragraph 5.4 and substitute the following 5.4 and new paragraph 5.4.1:

"5.4 Marking.

5.4.1 Levels A, B and C. In addition to any special or other identification marking required by the contract (see 6.2) each unit pack, intermediate and exterior container and unitized load shall be marked in accordance with MIL-STD-129. The nomenclature shall be: Caster, Rigid (or Swivel, as applicable), Heavy Duty (or Shock Mounted, or Pneumatic Tired, as applicable)."

MIL-C-4751D  
AMENDMENT 3

Add the following new paragraph 5.4.2:

"5.4.2 Commercial. Commercial/Industrial marking shall be in accordance with the requirements of ASTM D3951."

\* Delete paragraph 6.3.

\*Note: The margins of this amendment are marked with an asterisk or vertical lines to indicate where changes (additions, modification, 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 this document based on the entire content irrespective to the marginal notations and relationship to the last previous amendment.

Custodians:  
Navy - AS  
Air Force - 99

Preparing Activity:  
DLA-IS

(Project 5340-2401)

Review activity:  
Army - AR  
Air Force - 11