

FF-H-571E

May 10, 1974

SUPERSEDING

Int. Fed. Spec. FF-H-00571D(GSA-FSS)

March 11, 1968 and

Fed. Spec. FF-H-571C

September 24, 1964

FEDERAL SPECIFICATION

HOLDER AND CUTTER, WRAPPING PAPER (9-INCH DIAMETER PAPER ROLLS)

This specification was approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal agencies.

1. SCOPE AND CLASSIFICATION

1.1 Scope. This specification cover one type holder and cutter for 9-inch diameter rolls of wrapping paper.

1.2 Classification.

1.2.1 Classes. Holder and cutters covered by this specification shall be furnished in the following classes, as specified (see 6.2):

Class A - Standing, for on-the-counter use.

Class B - Hanging, for under the counter use.

Class C - Wall mounted.

1.2.2 Sizes. The sizes of the holders and cutters covered by this specification shall be determined by the limiting dimensions of the largest paper roll which it will hold. All classes shall be of the 9-inch diameter capacity and of the following lengths, as specified: 6, 9, 12, 15, 18, 20, 24, 27, 30, 36, 40, or 48 inch.

2. APPLICABLE DOCUMENTS

2.1 The following documents, of the issue in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

Federal Specification:

UU-P-268 - Paper, Kraft, Untreated, Wrapping

PPP-B-636 - Box, Fiberboard

Federal Standard:

Fed. Std. No. 123 - Marking for Domestic Shipment (Civil Agencies).

(Activities outside the Federal Government may obtain copies of Federal Specifications, Standards, and Handbooks as outlined under General Information in the Index of Federal Specifications and Standards and at the prices indicated in the Index. The Index, which includes cumulatives monthly supplements as issued, is for sale on a subscription basis by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

(Single copies of this specification and other Federal Specifications required by activities outside the Federal Government for bidding purposes are available without charge from Business Service Centers at the General Services Administration Regional Offices in Boston, New York, Washington, DC, Atlanta, Chicago, Kansas City, MO, Fort Worth, Denver, San Francisco, Los Angeles, and Seattle, WA.

(Federal Government activities may obtain copies of Federal Specifications, Standards, and Handbooks and the Index of Federal Specifications and Standards from established distribution points in their agencies.)

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Military Specification:

MIL-W-6110 - Wood; Determination of Moisture Content of.

Military Standards:

MIL-STD-605 - Sampling Procedures and Tables for Inspection by Attributes.

MIL-STD-129 - Marking for Shipment and Storage.

(Copies of Military Specifications and Standards required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer).

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

National Motor Freight Traffic Association, Inc., Agent:

National Motor Freight Classification.

(Application for copies should be addressed to the American Trucking Association, Inc., Tariff Order Section, 1616 P Street, N.W., Washington, DC 20036.)

Uniform Classification Committee, Agent:

Uniform Freight Classification.

(Application for copies should be addressed to the Uniform Classification Committee, Room 1106, 222 South Riverside Plaza, Chicago, IL 60606.)

3. Requirements.

3.1 Materials. The materials used shall conform to the requirements specified herein. Materials not definitely specified shall be the best quality used for the purpose in commercial practice.

3.1.1 Wood. The wood used in the paper holders and cutters shall be kiln dried to a moisture content of not more than 16 percent at the time of fabrication as determined in accordance with 4.3.1. Parts shall be free from decay, knots, not holes, larvae channels, shake, split or warp. The slope of grain shall be not more than 1 inch in 10 inches of length.

3.1.2 Metal. Metal components shall be either fabricated or cast, at the option of the manufacturer. Castings, when furnished shall be of uniform quality, free of blowholes, porosity, cracks and other injurious defects. Strength and other physical properties of all metal parts shall be adequate for the purpose intended.

3.2 Construction.

3.2.1 Class A holder and Cutter. Class A holder and cutter for on-the-counter use shall consist essentially of one cutter, two end standards, one top board, and one paper-holding roller. Special components such as base boards or rubber feet, when required, shall be as specified (see 6.2).

3.2.1.1 Cutter. The cutter shall be of suitable metal and of such sharpness as to assure clean tearing of ordinary wrapping paper. The cutter shall be constructed so that it will adjust itself into cutting position as the paper roll reduces from the maximum diameter down to the core, either by the weight of its own components or by spring tension at the manufacturer's option. If springs are used, they may be of compression, extension or torsional design and shall maintain tension of the cutter blade on the paper roll at all times.

3.2.1.2 End standards. The end standard shall be for on-the-counter use and shall provide means of easy loading and retaining the paper-holding roller. The end standards shall be of metal construction. Means shall be provided in the base of the end standards for fastening the holder and cutter to the counter. Unless otherwise specified (see 6.2), the end standards may be of either the single unit or the double unit style construction (see figure 1).

3.2.1.2.1 The double unit-end standard shall be constructed to permit removal of the base plates for pyramiding of two or more units (see figures 1 and 4, and paragraph 6.2).

3.2.1.2.2 The single unit end standard may be fabricated from one or more pieces of metal.

3.2.1.3 Paper-holding roller. The paper-holding roller shall be of wood or metal construction at the option of the contractor. It shall be straight, smooth, and capable of supporting its capacity size roll of supporting its capacity size roll of paper without deformation.

3.2.1.4 Top board. The top board for class A holders and cutters shall be of adequate width and thickness to support without bending, breaking or splitting, at least two pyramided paper holders and cutters and paper rolls in each holder.

3.2.1.5 Springs. Unless otherwise specified (see 6.2), the springs may be of compression, extension or torsional design. The springs shall maintain tension of the cutter blade on the paper roll at all times.

3.2.2 Class B holder and cutter. Class B holder and cutter for under-the-counter use, (see figure 2), shall consist essentially of one cutter conforming to the requirements of 3.2.1.1, two hangers, one mounting board, and one paper-holding roller conforming to the requirements of 3.2.1.3.

3.2.2.1 Hangers. The hangers shall provide means for easy loading and retaining the paper-holding roller. The hangers shall be of metal construction. No provision for pyramiding is require.

3.2.2.2 Mounting board. A mounting board shall be provided.

3.2.3 Class C holder and cutter. The class C holder and cutter for wall mounted use (see figure 3) shall consist essentially of one cutter conforming to the requirements of 3.2.1.1, two brackets, one mounting board or top board, and one paper-holding roller conforming to the requirements of 3.2.1.3.

3.2.3.1 Brackets. The wall brackets shall be provided with means for easy loading and retention of the paper-holding roller. The wall brackets shall be of metal.

3.2.3.2 Mounting or top board. Unless otherwise specified (see 6.2), either a mounting board or top board shall be furnished (see figure 3).

3.3 Surface finish. All metal parts shall be thoroughly cleaned of sand, dirt, fins, burrs, scale, flux or other extraneous or harmful materials. Corrosion-resistant metals, when used in the construction, shall be smoothly finished or exposed surfaces so as to present a neat appearance. All wood parts shall be finished to a good grade of mill work, free from machine tool chatter or other objectionable marks.

3.4 Painting and plating. All noncorrosion-resistant metal components shall be plated or painted using at least one coat, in accordance with a good quality commercial finish. All wood parts shall be coated with at least one coat of finishing material in accordance with a good quality commercial practice.

3.5 Marking for identification. Each holder and cutter shall be marked in a legible and permanent manner with the manufacturer's name or trademark of such known character that the source of manufacture may be readily determined.

3.6 Pyramiding for class A holders and cutters. If pyramiding is specified in the invitation for bid for class A holders and cutters, at least the upper holders and cutter of the pyramid shall be provided with double unit end standard construction (see 3.2.1.2 and figure 4). Unless otherwise specified (see 6.2), the bottom unit may be furnished with either single or double unit end standard construction. The length of paper rolls for each pyramided unit shall be as specified in the invitation for bids (see 6.2).

3.7 Workmanship. The finished product shall be clean, well made, and free from rust, cracks, rough grinding or trimming marks, or any other defects which may affect its appearance or serviceability. All painted or plated surfaces shall be free of bare spots, scratches or blisters. Except for the cutting edge, there shall be no sharp edges, burrs or projections which may cause personal injury.

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4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified, the supplier may utilize his own facilities or any commercial laboratory acceptable to the Government. The Government reserves the right to perform any of the inspection set forth in the specification where such inspections are deemed necessary to assure that supplies and services conform to prescribed requirements.

4.2 Sampling.

4.2.1 Lot. Unless otherwise specified (see 6.2), a lot shall consist of all holders and cutters same class and size submitted for inspection at the same time.

4.2.2 Dimensional and visual examination of end item. Sampling for these characteristics shall be in accordance with level S-3 in MIL-STD-105. The Acceptable Quality Levels (AQL/s) for defects listed in table I shall be 2.5 percent defective for major and 4.0 percent defective for minor defects.

4.2.3 Sampling for tests. Sampling for tests shall be in accordance with level S-1 in MIL-STD-105. The AQL for tests shall be 6.5 on the basis of percent defective.

4.3 Examination.

4.3.1 End item. Holders and cutters selected in accordance with 4.2.2 shall be examined and measured for defects listed in table I.

TABLE I. Classification of defects, end item

Defects	Major	Minor
Non-corrosive-resistant metal components, not plated or painted.....	X	
Area of no plating or painting.....		X
Metal parts not free of sand, dirt, fins, burrs, scale and flux.....		X
Wood parts not free of decay, knots, knot holes, larvae channels, shake, split or warp.....	X	
Wood parts not free of tool chatter, edges not rounded or chamfered.....	X	
Wood parts not coated with finishing material.....	X	
Any component not as specified.....	X	
Any component missing or malformed.....	X	
Any operational function which does not articulate freely and uniformly without binding or does not return to original static position.....	X	
Any structural feature out of alignment.....	X	
Hangers or brackets not positioned for easy loading.....	X	
Cutter edge not uniform, smooth, free from irregularities..	X	
Inadequate spring tension.....	X	
Marking, missing, incomplete, not legible.....		X
Dimensions not as specified.....	X	

4.3.2 Inspection of preparation for delivery requirements. An inspection shall be made to determine that the packaging, packing, and marking comply with requirement in section 5. Defects shall be scored in accordance with table II. For examination of interior packaging, the sample unit shall be one shipping container fully prepared for delivery, selected at random just prior to the closing operation. Sampling shall be in accordance with MIL-STD-105. Defects of closure listed shall be examined on shipping containers fully prepared for delivery. The lot size shall be the number of shipping containers in the end item inspection lot. The inspection level shall be S-2 with an acceptable quality level (AQL) of 4.0 defects per hundred units.

TABLE II. Classification of preparation for delivery defects

Examine	Defect
Material	Any packaging or packing component or material not as specified. Any packaging or packing component missing or malformed. Any end item component, including bolts, nuts, washer and screws incomplete or missing. Any component or material, torn, broken, dented or otherwise damaged in a manner which may cause loss or injury to contents.
Workmanship	Drawstring bag or envelope containing hardware inadequately closed or sealed to prevent accidental opening. Inadequate application of components, such as incomplete or insecure sealing of container flaps; incomplete or insecure strapping or tape banding; bulge or distortion of shipping containers. Content not immobilized in a manner to prevent movement or damage during handling or shipment.
Marking of shipping container	Omitted, incomplete, incorrect, illegible; of improper size, location, sequence or method of application.

4.4 Tests.

4.4.1 Moisture content. Moisture content shall be determined in accordance with MIL-W-6110 (see 3.1.1).

4.4.2 Capacity-loading, free-rolling and clean-tearing. The test holders and cutters shall be securely fastened in operating position and tested for capacity loading, free-rolling, and clean-tearing by the following procedure: (1) Load the holder with a capacity size, 9-inch diameter, roll of kraft wrapping paper conforming to UU-P-268. The holder and cutter shall be easy to load and there shall be no deformation in any part when loaded. (2) Tear off a few sheets of wrapping paper from the roll. The sheets shall be torn cleanly for the full width of the sheet and the paper roll shall roll freely when withdrawing the paper. (3) Repeat the operations with a small roll of paper that is nearly down to the core and inspect for clean tearing.

4.4.3 Rigidity. The test holders and cutters shall be tested for rigidity by the following procedure: (1) After the holder and cutter have been securely mounted on counter or wall, apply approximately 50 pounds pressure to the top of each of the two end standards, hangers of wall brackets in opposite directions. (2) Repeat the operation at least four times reversing the direction of application of force for each operation. (3) Inspect for firmness and rigidity. The test holders shall not loosen up in its joints, bend, break, or otherwise show any defects which might affect the serviceability of the cutter.

4.4.4 Tension. Test the holder and cutter by applying approximately a 50-pound pull on one of the end standards, hangers, or wall brackets in a direction tending to separate the two end standards, hangers, or wall brackets from each other. The paper-holder shall not fall through or be removable through the bottom of either of its bearing during this test.

5. PREPARATION FOR DELIVERY

5.1 Packaging. Packaging shall be level A, B, or C, as specified (see 6.2).

5.1.1 Levels A and B. Each holder and cutter shall be prepared for shipment disassembled or knocked down flat. Each of the several parts shall be individually wrapped in kraft paper of not less than 60 pounds, or a suitable creped or dimpled cushioning wrapping paper. Alternatively, the several parts may be roll wrapped in papers as above, provided that not less than one thickness of the wrapping is between any two parts. Bolts, nuts, washers, and screws shall be placed wither in a cotton drawstring bag or envelope of kraft or manila, secured against accidental opening.

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5.1.2 Level C. The holders and cutters shall be packaged to afford adequate protection against corrosion and damage during shipment from the supply source to the first receiving activity. The suppliers commercial practice will be acceptable when it fulfills the above requirements.

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

5.2.1 Level A. Each holder and cutter of one class, and size, as specified in 5.1, shall be packed in a close-fitting box, conforming with PPP-B-636, class weather-resistant, grade V3c or V3s. The paper holder and cutter shall be immobilized in such a manner as to prevent movement or damage during handling and transit. Each shipping container shall be closed, waterproofed, and strapped in accordance with the box specification.

5.2.2 Level B. Each paper holder and cutter of one class, and size, packaged as specified in 5.1, shall be packed in a close-fitting box conforming with PPP-B-636, class domestic, grade 275 minimum. The paper holder and cutter shall be immobilized in such a manner as to prevent movement or damage during handling and transit. Each shipping container shall be closed and securely sealed in accordance with the box specification.

5.2.3 Level C. Holders and cutters, packaged as specified in 5.1 shall be packed in a manner to insure carrier acceptance and safe delivery at destination. Containers shall be in accordance with Uniform Freight Classification Rules or regulations of other carriers applicable to the mode of transportation.

5.2.4 Standard pack (civil agencies). The standard pack for this commodity shall be as specified in 5.1.1 and 5.2.2 (see notes: section 6).

5.3 Marking.

5.3.1 Civil agencies. In addition to any special marking required by the contract or order, shipping containers shall be marked in accordance with Fed. Std. No. 123.

5.3.2 Military activities. In addition to any special marking required by the contract or order, shipping containers shall be marked in accordance with MIL-STD-129.

6. NOTES

6.1 Intended use. The holders and cutters covered by this specification are intended for use on counters, under counters, or on walls to hold and cut a roll of warpping paper. (Holders and cutters used on counters are suitable for pyramiding).

6.2 Ordering data. Purchasers should select the preferred options permitted herein and include the following information in procurement documents:

- (a) Title, number and date of this specification.
- (b) Class required (see 1.2.1).
- (c) Size conforming to length of paper rolls to be used (see 1.2.2).
- (d) Special components for class A, when required (see 3.2.1).
- (e) Single or double unit end standards for class A, when a specific style is required (see 3.2.1.2).
- (f) Provision for pyramiding of class A units when required (see 3.2.1.2 and 3.6).
- (g) Mounting or top board, if one of the two is required (see 3.2.3.2).
- (h) Springs, if different (see 3.2.1.1).
- (i) Selection of applicable levels of packaging and packing (see 5.1 and 5.2).

6.3 Pyramiding for class A, holders. If pyramiding is specified for class A, holders and cutters, at least the upper holders of the pyramid shall be provided with double unit end standard construction (see 3.5.1.2). Unless otherwise specified (see 6.2), the bottom unit may be furnished with either single or double unit end standards. The length of roll for each pyramid unit shall be as specified in the invitation for bid.

6.4 Illustrations. The illustrations shown herein are for the convenience of identification and are not intended to preclude the purchase of holders and cutter which are otherwise in accordance with the requirements of this specification.

6.5 Standard pack for civil agencies. The standard pack requirements in 5.2.4 are intended for use in procurements of stores stock replenishments. Procuring officers should use the standard pack requirements when it is known that the material will be shipped from a supplier to a domestic warehouse, supply depot or intermediate storage point for temporary storage, subsequent issue and/ or shipment to eventual user.

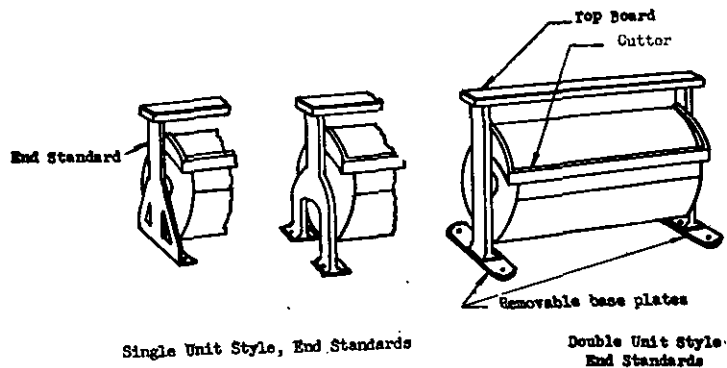


Figure 1. Class A - Standing, for on-the-counter use.



Figure 2. Class B - Hanging, for under the counter use.

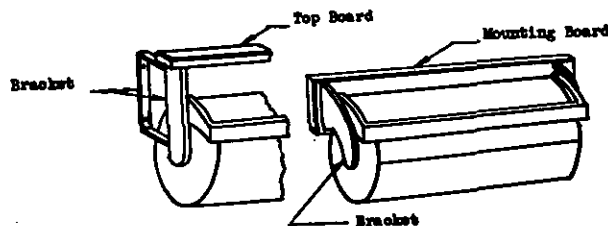


Figure 3. Class C - Wall mounted.

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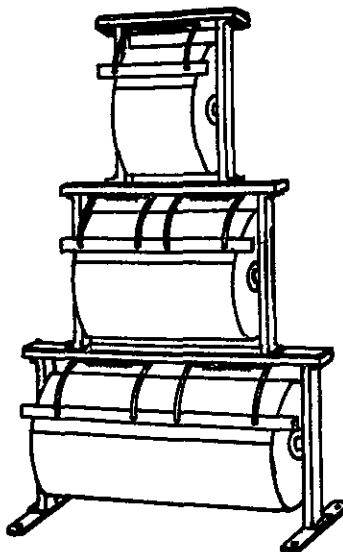


Figure 4. Method of pyramiding of class A. paper holders and cutters

Note: The illustration shown in figure 4 is for the convenience of identifying the term "pyramiding". Figure 4 also illustrates one kind of spring type holder and cutter.

Preparing activity:

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