

[INCH-POUND]

A-A-3011

July 29, 1996

SUPERCEDES

T-M-00550B (GSA-FSS)

March 29, 1967

T-M-00570A (GSA-FSS)

December 8, 1967

**COMMERCIAL ITEM DESCRIPTION****MOP, DUSTING, COTTON,  
UNIVERSAL ACTION SWIVEL**

The General Services Administration has authorized the use of this commercial item description by all federal agencies.

1. SCOPE. This purchase description covers a universal swivel dry cotton dust mop, including handle, swivel, frame, and mophead. The dust mops are intended to be used to remove dust from smooth floors.

## 2. CLASSIFICATION

2.1 Classification. Items covered by this description shall be one of the following types, styles, and sizes as specified:

2.1.1 Type I - Handles and frames.

Style 1 - Metal handles with 5" (12.7 cm) wide rounded frames.

Size 1, 2, 3, or 4

Style 2 - Wood handles with 3-3/8" (8.6 cm) wide tapered frames.

Size 5, 6, or 7

2.1.2 Type II - Mopheads.

Style 1 - For use with 5" (12.7 cm) wide rounded frames.

Size 1, 2, 3, or 4

Style 2 - For use with 3-3/8" (8.6 cm) wide tapered frames

Size 5, 6, or 7

## 3. SALIENT CHARACTERISTICS

3.1 Type I, Frame and handle.3.1.1 Handle.

3.1.1.1 Style 1. The style 1 handle shall be tubular steel or aluminum, 22 gauge minimum thickness, 7/8  $\pm$  1/16 inch (2.2  $\pm$  0.1 cm) outside diameter, and 60  $\pm$  1/2 inches (154.2  $\pm$  1.2 cm) long. The handle end shall have a plastic or rubber handgrip of non-marring material. A foam-rubber type covering for the handle is permitted. Steel handles shall be inherently corrosion resistant, plated to resist corrosion, or be completely covered with a baked-on enamel finish or powder coated finish at the manufacturer's option. The finished handle shall show no evidence of corrosion.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to:  
General Services Administration, Engineering Group (7FXEB), 819 Taylor  
Street, Fort Worth, TX 76102

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

FSC 7920

3.1.1.2 Style 2. The style 2 handle shall be a close grained hardwood, or softwood of Douglas Fir or southern yellow pine, with a moisture content of not more than 12 percent. The handle shall be  $53 \pm 1/2$  inches (134.6  $\pm 1.2$  cm) in length and  $1 \pm 1/8$  inch (2.5  $\pm 0.3$  cm) in diameter. The handle shall be free from warp, decay, knots, checks, shakes, splits, slivers, bark pocket, and larva channels or pockets. The grain shall not slope more than 1 inch in 15 inches (1 cm in 15 cm). The handle shall be smoothly sanded and completely sealed with a clear lacquer, varnish, or acrylic sealant.

3.1.2 Frame. Both styles of frames shall be formed from steel wire of 0.158 inch (4.0 mm) minimum in diameter. The frame shall be similar to the designs depicted by figure 1 or figure 2, as specified. Bracing plates or crossmembers are optional and the method of attachment of the swivel is optional. The frame shall be entirely composed of inherently corrosion resistant steel or shall be plated to resist corrosion. The finished frame shall show no evidence of corrosion.

3.1.2.1 Style 1. Style 1 frames shall have rounded ends similar to figure 1. The style 1 frames shall be  $5 \pm 1/4$  inches (12.7  $\pm 0.6$  cm) wide. If the frame has a waist, it shall not be less than  $3-3/8$  inches (8.6 cm) wide. The frame lengths shall be as follows:

Size 1 - 18 inches,  $\pm 1/4$  inch (45.7  $\pm 0.6$  cm)  
 Size 2 - 24 inches,  $\pm 1/4$  inch (61.0  $\pm 0.6$  cm)  
 Size 3 - 36 inches,  $\pm 1/4$  inch (91.4  $\pm 0.6$  cm)  
 Size 4 - 48 inches,  $\pm 1/4$  inch (121.9  $\pm 0.6$  cm)

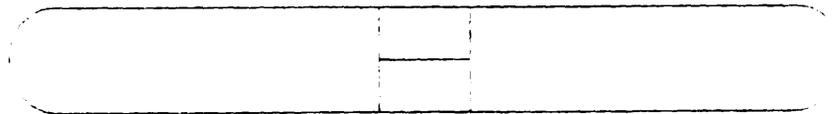


Figure 1

3.1.2.2 Style 2. Style 2 frames shall have tapered ends similar to figure 2. The style 2 frames shall be  $3-3/8 \pm 1/8$  inches (8.6  $\pm 0.3$  cm) wide. The frame lengths shall be as follows:

Size 5 -  $9-3/4$  inches,  $\pm 1/4$  inch (24.8  $\pm 0.6$  cm)  
 Size 6 -  $15-1/4$  inches,  $\pm 1/4$  inch (38.7  $\pm 0.6$  cm)  
 Size 7 -  $22-1/4$  inches,  $\pm 1/4$  inch (56.5  $\pm 0.6$  cm)



Figure 2

3.1.3 Universal swivel. The universal swivel shall be composed of steel that is either inherently corrosion resistant or plated to resist corrosion. The design shall allow full swivel action and "steering" of the mophead but shall not allow free rotation of the frame. A ball and socket design is not permitted. Plastic components are permitted in non-structural members.

3.1.4 Handle and frame assembly. If the frame is detachable from the handle the assembly shall be made by fasteners that do not require tools. A removable "clip-on" type joint is acceptable.

3.1.5 Handle and frame workmanship. The handles and frames shall be of high quality workmanship equal or better to standard commercial practice, and shall not have any defects which may affect appearance, durability or serviceability. The handle shall be straight, smooth, corrosion free (as applicable), without blemishes or defects. The swivel shall move smoothly and easily, and shall be corrosion free. The frame shall be straight, with neat connections and shall be corrosion free.

## 3.2 Type II, Mophead.

### 3.2.1 Material.

3.2.1.1 Base cloth. The base cloth shall be any fabric meeting the requirements of table I. The cloth shall be natural or bleached and shall be dye free. The finished cloth shall be free of holes and other defects that affect appearance or may affect serviceability.

Table I, Cloth Physical Characteristics

Characteristic	Value	Test Method
Breaking strength		
Warp	105 lbs (467 N) minimum	ASTM D 5034
Fill	75 lbs (333 N) minimum	ASTM D 5034
Shrinkage	3% maximum	AATCC 150

3.2.1.2 Yarns. The mophead yarns shall be composed of cotton or cotton synthetic blend. If the yarn is a blend, it shall contain no less than 80% cotton. The mophead yarns shall meet the requirements of table II. The yarns shall be natural or bleached and shall be dye free.

Table II, Yarn Physical Characteristics

Characteristic	Value	Test Method
Yards per pound	500, ±50 (1011 ±45 m/kg)	ASTM D 204
Plies of yarn	4	Visual
Twists per inch	2.25 (0.89/cm) minimum	Visual
Breaking strength	10 lbs (44.5 N) minimum	ASTM D 2256

3.2.1.3 Thread. The thread used shall have a minimum breaking strength of 4 lbs (17.8 N), the color shall be optional.

3.2.1.4 Binding. The material used for binding shall meet the same requirements as the base cloth.

3.2.1.5 Tie tapes. Tape for the ties shall be of tubular braid material. The tape shall be a minimum of 1/4 inch (0.6 cm) wide. Each tape shall have a minimum of 8 inches (20.3 cm) free after assembly to the mophead. The tape shall be natural or bleached color and shall be dye free.

3.2.2 Mophead construction. The mophead shall be constructed from two pieces of base cloth to which the yarns are attached. One base cloth piece shall form the bottom and the other piece shall form the top and have an opening for the frame, the two pieces shall be sewn together at the perimeter. The bottom shall have two (minimum) parallel rows of yarn sewn to it, the use of strips of self material is optional. Yarn shall also be sewn around the outer perimeter of the assembly. All of the yarns shall be sewn to the cloth in a looped-end construction method, with no cut ends of yarn free. For both styles of mopheads the loops of yarns shall extend a minimum of 2 inches (5.0 cm) from the cloth. The top piece shall have a round centered opening with a slit extending from the center opening to one end. All exposed edges of the frame opening shall be bound with the binding specified, the outer edges of the cloth shall be serge stitched or bound with binding tape.

3.2.2.1 Style 1. All mopheads shall have a pair of tie tapes adjacent to the center opening. The style 1, size 1 and 2 mopheads shall also have at least one more pair of tie tapes midway along the opening for the frame. The style 1, size 3 and 4 mopheads shall have at least two more pairs of tie tapes evenly spaced along the opening for the frame. The style 1 mopheads shall be configured to accept the style 1 round ended frames. All style 1 mopheads shall be sized to permit the style 1 frames to be easily inserted with allowance for 3% shrinkage.

3.2.2.2 Style 2. The style 2, size 5 and 6 mopheads shall have a pair of tie tapes adjacent to the center opening. The style 2, size 7 mopheads shall have a pair of tie tapes adjacent to the center opening and another pair midway along the opening for the frame. The style 2 mopheads shall be configured to accept the style 2 tapered end frames. All style 2 mopheads shall be sized to permit the style 2 frames to be easily inserted with allowance for 3% shrinkage.

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3.2.3 Weight. The mopheads shall meet the following weight requirements when 12 randomly chosen mops are weighed together:

Size 1	9.0 pounds (4.1 kg) per dozen minimum
Size 2	11.0 pounds (5.0 kg) per dozen minimum
Size 3	16.0 pounds (7.3 kg) per dozen minimum
Size 4	22.0 pounds (10.0 kg) per dozen minimum
Size 5	4.5 pounds (2.0 kg) per dozen minimum
Size 6	7.0 pounds (3.2 kg) per dozen minimum
Size 7	10.0 pounds (4.5 kg) per dozen minimum

3.2.4 Mophead workmanship. The mopheads shall be complete and functional and shall be free of any defects that may affect appearance, durability or serviceability. All mophead yarn loops shall be securely caught by the sewing.

3.3 Metric products. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, providing they fall within tolerances specified and all other requirements of this document are met.

3.4 Commercial item. The use of the term "commercial item description" in this document does not imply that any item or items offered are not required to conform with all requirements specified herein.

#### 4. REGULATORY REQUIREMENTS

4.1 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).

#### 5. QUALITY ASSURANCE PROVISIONS

5.1 Product conformance. The products provided shall meet the salient characteristics of this CID, shall conform to the producer's own drawings, specifications, standards, and quality assurance practices, and shall be the same product offered for sale in the commercial market. The government reserves the right to require proof of such conformance.

#### 6. PACKAGING

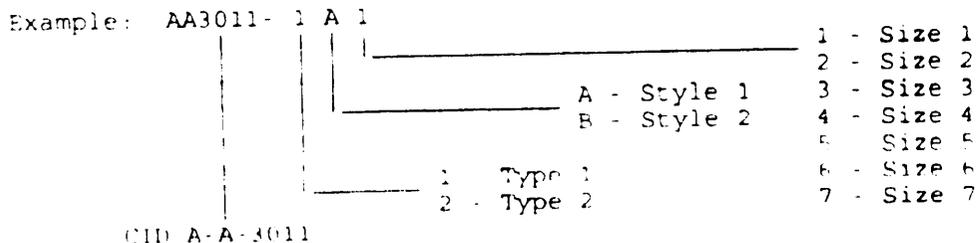
6.1 Packaging. Packaging, packing, and marking shall be as specified in the contract or order.

#### 7. NOTES

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

- a. Title, number, and date of this CID.
- b. Type, Style and Size.
- c. The packaging, packing and marking desired.

7.2 Part Identification Number (PIN). This part numbering system is intended for identification and cross-indexing of the item by the government only and does not constitute a requirement for the contractor.



7.3 National Stock Numbers (NSNs): The following is a list of NSN's which reference this description. The list may not be complete:

<u>NSN</u>	<u>Type, Style, Size</u>	<u>PN</u>
7920-00-998-2485	Type I, Style 1, Size 1	AA3011-1A1
7920-00-998-2486	Type I, Style 1, Size 2	AA3011-1A2
7920-00-851-0140	Type I, Style 1, Size 3	AA3011-1A3
7920-00-851-0142	Type I, Style 1, Size 4	AA3011-1A4
7920-00-998-2482	Type II, Style 1, Size 1	AA3011-2A1
7920-00-998-2483	Type II, Style 1, Size 2	AA3011-2A2
7920-00-998-2484	Type II, Style 1, Size 3	AA3011-2A3
7920-00-851-0141	Type II, Style 1, Size 4	AA3011-2A4
7920-00-205-0481	Type I & II, Style 2, Size 5	AA3011-1/2B5
7920-00-205-0483	Type I & II, Style 2, Size 6	AA3011-1/2B6
7920-00-205-0484	Type I & II, Style 2, Size 7	AA3011-1/2B7
7920-00-205-0485	Type II, Style 2, Size 5	AA3011-2B5
7920-00-205-0487	Type II, Style 2, Size 6	AA3011-2B6
7920-00-205-0488	Type II, Style 2, Size 7	AA3011-2B7

#### 7.4 Referenced documents.

Federal specifications and standards are available from the General Services Administration, Federal Supply Service Bureau, Specification Section, Suite 800, 470 East L'Enfant Plaza SW, Washington, DC 20407.

Copies of ASTM standards are available from ASTM, 100 Bar Harbor Dr., West Conshohocken, PA 19428-2959, (610-832-9500).

AATCC documents can be obtained from the American Association of Textile Chemists and Colorists (AATCC), PO Box 12215, Research Triangle Park, NC 27709.

7.5 Supersession information. Style 1 covers items previously specified by T-M-550. Style 2 covers items previously specified by T-M-570.

#### Preparing Activity

GSA-FSS