[Metric]
A-A-2122F
December 3, 1993
SUPERSEDING
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September 21, 1990

COMMERCIAL ITEM DESCRIPTION

STANDS, OFFICE MACHINE

The General Services Administration has authorized the use of this commercial item description.

1. Scope. The stands shall be contemporary style, designed for heavy duty office use.

2. Salient characteristics.

2.1 Classification. The machine stands shall be classified by type and color as follows.

Type I - Portable stand with drop leaves and panels. Minimum top dimensions - 584.2 mm W X 450.8 mm D. Minimum drop leaf dimensions - 304.8 mm W x 450.8 mm D. overall height, including casters, minimum 660.4 mm, maximum 685.6 mm.

Type II - Portable stand with panels. Minimum top dimensions 806.4 mm W x 450.8 mm D. Overall height, including casters, minimum 660.4 mm, maximum 685.6 mm.

Colors - In accordance with Fed. Std. No. 595, see 3.2.

B - Black
G - Gray
P - Parchment

3. Requirements.

3.1 Components.

3.1.1 Laminated tops and drop leaves.

3.1.1.1 Laminated tops and drop leaves. Tops and leaves shall be self-edged, covered with HP laminated plastic with

backing sheet on the bottom. Laminate shall be walnut grain per GSA Standard No. FSS-L-01002 or white leather per GSA Standard No. FSS-L-01001, as specified by the contracting officer. Alternatively, the manufacturer may provide his equivalent commercial walnut grain and white leather HP laminated plastic subject to the contracting officer's approval. The top overhang shall be 12.7 mm maximum. Overall thickness of the top and drop leaves shall be 25.4 mm.

3.1.1.2 Hinges and leaf supports. The drop leaves shall be securely attached to the frame or the underside of the top using piano hinges. The hinges shall be made of steel with a finish matching that of the legs. The leaf support shall also be made of steel providing strength and rigidity to the leaves when in the raised position. The supports shall be easily operated.

3.1.2 Legs. The legs shall be a minimum of 22.2 mm square, stainless or chromium plated steel with a polished finish. The legs shall have casters a minimum of 63.5 mm in diameter, with ball bearing swivels. The wheel tread shall have a Shore durometer D scale hardness of 35 to 50 at 21.1 degrees C. A minimum of two casters shall have brakes. The stands maybe shipped without the legs attached, provided the supporting panel structure and legs are specifically designed for this KD feature. The legs shall be capable of being assembled by laymen (office workers) within 10 minutes using simple hand tools. Simple, illustrated assembly instructions shall be provided. The warranty provisions shall apply to the layman assembled stands.

3.1.3 Panels. The stands shall have three separate panels, two ends and one back extending from the underside of the top (6.3 mm gap, maximum) to a minimum of 247.6 mm down the legs. The front support, if required, shall not extend below the underside of the top in excess of 44.5 mm. All exposed edges shall be formed for strength and to avoid sharp or thin edges.

3.2 Finish. The finish shall be semi-gloss baked enamel. The colors shall match Fed. Std. No. 595 black (27040), gray (26134) and parchment (within the range delimited by 26586 and 26405). Alternatively, the manufacturer may provide his commercial black, gray, and parchment baked enamel finish subject to the contracting officer's approval.

3.3 Performance. The stand shall be capable of meeting all of the requirements when tested in accordance with paragraphs 4.7 through 4.10

3.4 Identification label. The label shall have the contractor's name or trademark, NSN (if specified), month and year of manufacture legibly marked with permanent dark ink. The label shall be affixed to the underside of the top. It shall not be removable by hand without defacement after being affixed for 4 hours.

3.5 Workmanship. The following attributes shall be evidence of acceptable workmanship:

When the drop leaves are in the raised position, the leaves are firm and at the same level as the top; the gap between the edge of the leaf and the adjacent edge of the top does not exceed 1.16 mm. When the leaves are in the dropped position, the leaves are resting tightly against the legs. The outside surface of the panels is flush with the adjacent surface of the legs. All of the fastening materials are concealed from external view. All of the edges and corners are eased and smooth. All metal surfaces are free from sharp edges and burrs. The baked enamel finish is smooth, without runs, grit, wrinkles, or separation of color. The chromium plating is free of pits, stains and brush or grind marks. In general, there are no defects that may affect the serviceability, stability, rigidity, maneuverability, or appearance of the stand. Any findings contrary to any of the above shall be considered evidence of unacceptable workmanship.

4 Quality assurance provisions.

4.1 Responsibility for inspection. The contractor shall be responsible for the performance of all inspection and testing in fulfillment of all requirements specified herein. Unless otherwise specified in the contract or purchase order, the contractor may use his own or any other facilities approved by the Government as suitable for the performance of inspections and tests required by this CID. The Government reserves the right to perform any or all of the inspections and/or tests set forth in this CID, as deemed necessary to provide assurance of supply conformance to prescribed requirements.

4.2 First article requirements. The first article inspection shall be in accordance with the solicitation.

4.3 Quality conformance inspection. A sample of the finished product shall be selected in accordance with paragraph 4.6 of this CID for quality conformance verification. The sample shall be examined to verify that the requirements referenced in sections 1, 2, and 3 have been met. Any non-conformance with the above requirements shall be considered a defect. All defects found shall be classified as major/minor in accordance with paragraphs 4.4 and 4.5 of this CID.

4.4 Major defects. The following conditions of non-conformance with the stated requirements of the CID shall be considered as major defects which may potentially affect the safety, functionality, durability, usability, and life of the purchased items.

Reference	Major Defects Defects
Dimensions:	- Height not as specified. - Top width or depth not as specified. - Drop leaves width or depth - Thickness not as specified. - Leg square tubing dimension not as specified. - Panel dimension not as specified. - Castor dimension not as specified.
Material and parts:	- Top, leaves, legs, panels, hinges, and leaf supports not as specified. - Castors (two minimum) are not provided with brakes. - Castor tread hardness not as specified.
Construction:	- The top overhang exceeds 12.7 mm. - The panels are not positioned as specified. - The drop leaves are not attached as specified. - The drop leaves are not supported as specified. - Castors are not firmly attached to legs. - Panel construction is weak, allows for thin or sharp edges.
Workmanship:	- Leaves, when raised, are not level with the top not horizontal, or separated from the top by

a gap greater than 1.16 mm.
- Leaves are not firm, or not resting in a vertical position against the legs when in a dropped position.

Identification Label: - Not as specified, missing, mutilate, or illegible.

Performance:
- The stand failed the chromium plating test requirements of the CID.
- The stand failed the leaf levelness and support test.
- The stand failed the service test requirements of the CID.

Any of the above found by inspection shall be considered grounds for rejection.

4.5 Minor defects. Non-conformance listed below shall be considered as minor defects affecting the appearance of the finished item.

Reference	Minor Defects Defects
Finish:	- Rough or slivered surface. - Burrs. - Rough tool markings. - Oversized holes. - Pitted, stained, or blistered surfaces. - Foreign matter embedded in the finish. - Painted surfaces contain sags or runs. - Parts, components, covered with film, not free of grease, dirt, dust, epoxy, stains, etc.

4.6 Sampling for inspection. The sampling plan shall be in accordance with MIL-STD-105 with an inspection level II, Acceptable Quality Level (AQL) of 6.5 percent defective for minor defects and an inspection level of S-2, AQL of 2.5 percent defective for major defects.

4.7 Service test. A reciprocating drive device shall be attached to the top center of the stand. The attachment shall allow the stand to rotate freely on its vertical center axis. Distribute 45.3 kg evenly on the top of the stand. Place the stand on the obstacle layout detailed in figure 1. The device shall push the stand 762 mm forward and pull it 762 mm backward over the obstacles, continuously at a rate of 10 to 15 cycles per minute for 10,000 cycles. One cycle is a forward

and backward stroke. Any structural breakage, loosening or deformation of parts which affects the stability or serviceability of the stand or any change which could cause personal injury to a user shall constitute failure of the test.

4.8 Test of top levelness, deflection, and rigidity. The castors shall be removed. A straight edge shall be placed diagonally (corner to corner) across the unit top. The straight edge shall extend beyond the corners. Any warp of the top in excess of 0.78 mm is cause for rejection. This test shall be performed across both corner diagonals. Upon satisfactory completion of the above test, a weight of not less than 128.2 kg. shall be applied for at least 5 minutes to an area not to exceed 304.8 mm in diameter. The test area shall be the center of the top. The top shall not deflect more than 3.2 mm during the test. After removal of the load, no part of the stand shall have any permanent deformation.

4.9 Levelness of leaves and test for drop leaf support. The casters shall be removed and the leaves raised to the horizontal position supported by the leaf supports. A straight edge shall be placed across the stand top extending to the outside edge of the leaf top. The vertical measurement from the bottom of the straight edge to the top of the outside edge of the leaf shall not be greater than 3.2 mm nor shall the leaf support hold the leaf in a position higher than the top. The test shall be performed on both the right and left leaves. After this portion of the test is performed, a test load of 11.3 kg shall be applied to each leaf for a period of 5 minutes. The load shall be evenly distributed in the area extending from the side edge of the top to within 50.4 mm of the end of the leaf. Upon removal of the load and with the leaves still in the horizontal position, the measurements shall be repeated, using the straight edge. Any difference in the measurement taken before and after the load was applied in excess of 1.6 mm shall constitute failure of this part of the test.

4.10 Chromium plating test. Plated samples shall be tested for corrosion with the 5 percent neutral salt spray at 35°C in accordance with ASTM Test Method B-117. The test period shall not be less than 48 hours. After the specified exposure is completed, the specimen shall be visually examined to assure that the plating shows no evidence of peel, chip, uneven

color, powder, film, pits or stain. Widely scattered spots of corrosion are permitted, however, none of these spots shall exceed 1.6 mm along the greatest dimension.

5. Regulatory requirements. The offeror/contractor is encouraged to use recovered materials in accordance with Public Law 94-580, as amended, to the maximum extent practicable.

6. Preservation, packaging, packing, labeling, and marking. The preservation, packaging, packing, labeling, and marking shall be as specified in the contract or order.

7. Standards. The issues of ASTM B-117, MIL-STD-105 and Fed. Std. 595 in effect on the date of the solicitation shall be used to determine compliance with the stated requirements.

8. Notes.

8.1 Ordering options. The purchasers should specify type and color of stand.

8.2 Military standards. Copies of MIL-STD-105 are available from the Commanding Officer, Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120.

8.3 ASTM standards. Copies of ASTM B-117 are available from the American Society for Testing and Materials.

8.4 Federal standards. Federal Standard No. 595 is available from the General Services Administration Business Service Centers in Boston, MA; New York, NY; Philadelphia, PA; Washington, DC; Atlanta, GA; Chicago, IL; Kansas City, MO; Fort Worth, TX; Houston, TX; Denver, CO; San Francisco, CA; Los Angeles, CA; and Seattle, WA.

8.5 Color panel. A sample panel of the baked enamel finish is available from the Business Service Center, General Services Administration, Federal Supply Service, Washington, DC 20407 or the Business Service Center in the nearest General Services Administration Regional office.

8.6 Plastic laminate panel. A sample panel of the decorative plastic laminate sheet is available from the General Services Administration, Federal Supply Service,

Furniture Commodity Center, Engineering Division, Washington, DC 20406.

8.7 National stock numbers. The NSNs are as follows:

TYPE	NSN	COLOR
I	7110-00-601-9835	Black
I	7110-00-601-9849	Parchment
I	7110-01-136-1563	Gray

PREPARING ACTIVITY GSA - FSS/3FNE