

[INCH-POUND]
 A-A-2981
 November 7, 1996

COMMERCIAL ITEM DESCRIPTION

MACHETE, RIGID HANDLE

The General Services Administration has authorized the use of this Commercial Item Description for the procurement of the class 2, sizes 1 and 2 machete specified in GGG-M-45D for all federal agencies.

1. SCOPE.

1.1 Scope. This Commercial Item Description covers rigid handle, tapered blade machetes.

2. CLASSIFICATION.

2.1 Classification. The machetes shall be of the following sizes:

Size 1	-	18-inch blade
Size 2	-	26-inch blade

3. SALIENT CHARACTERISTICS.

3.1 Design. The size 1, 18-inch blade machete shall be similar to and of the dimensions shown in Figure 1. The size 2, 26-inch blade machete shall be similar to and of the dimensions shown in Figure 2.

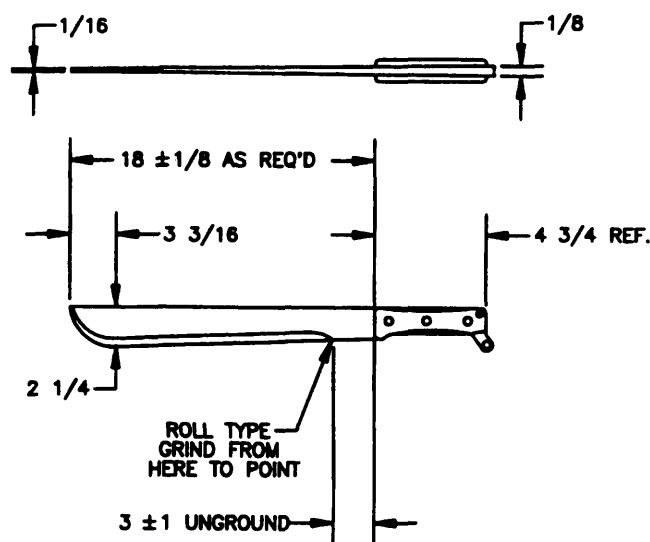


Figure 1. Machete, size 1, 18-inch blade.

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any other data which may improve this document should be sent to: General Services Administration, Federal Supply Service, Tools and Appliances Commodity Center, Kansas City, MO 64131.

A-A-2981

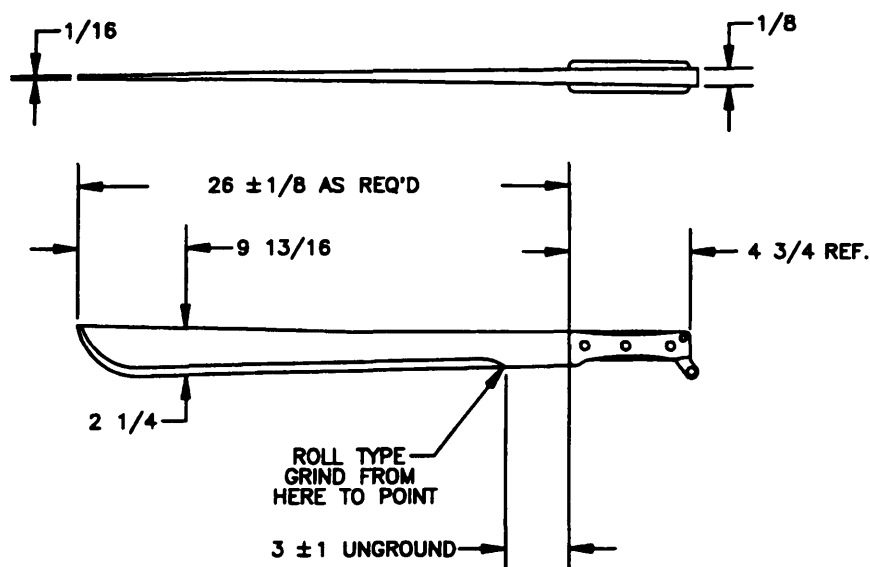


Figure 2. Machete, size 2, 26-inch blade.

3.1.1 **Size 1.** The size 1 machete shall consist of an 18-inch tapered blade with an integral tang and handle, as shown in Figure 1.

3.1.1.1 **Blade.** The blade shall be constructed of high carbon steel and conform to AISI 1090 to 1095 for size 1 machetes. The blade shall be hardened to 50 to 55 on the Rockwell C scale when tested in accordance with ASTM E18. A tang, which is part of the blade, shall protrude from the bottom end of the handle. A 1/4-inch diameter hole ($\pm 1/32$) shall be located in the tang. The blade shall be ground from 3 inches from the inside edge of the handle to the point. The blades shall not be polished or show a bright finish.

3.1.1.2 **Handle.** The handle shall be of wood or plastic. A 1/4-inch diameter thong hole shall be located completely through the handle and blade 1/2 inch from the end of the handle ($\pm 1/32$). Rivets used to connect the handle to the blade shall be of copper alloy or of commercial grade steel normally used by the manufacturer.

3.1.1.2.1 **Wood handle.** The wood handle shall be constructed of hardwood and shall be free from knots, knot holes, shakes, decay, brashness and check, split, case hardening, and honeycomb. The same type of wood shall be used for both halves of the handle. The handle shall be riveted tightly to the tang. After riveting, the rivets shall be flush with the handle surface. All smooth surfaces shall be sanded or smoothly finished. The handle shall be coated with clear lacquer.

3.1.1.2.2 **Plastic handle.** The plastic handle shall be of either polypropylene or phenolic thermosetting plastic material. The handle shall be securely attached to the tang by a minimum of four rivets. The handle surfaces shall be smooth and flush with tang on the two sides and end. The handle shall be colored black or gray.

3.1.2 **Size 2.** The size 2 machete shall consist of a 26-inch straight or tapered blade with an integral tang and handle, as shown in Figure 2.

3.1.2.1 **Blade.** The blade shall be constructed of high carbon steel and conform to AISI 1074 to 1095 for size 2 machetes. The blade shall be hardened to 50 to 55 on the Rockwell C scale when tested in accordance with ASTM E18. A tang, which is part of the blade, shall protrude from the bottom end of the handle. A 1/4-inch

diameter hole ($\pm 1/32$) shall be located in the tang. The blade shall be ground from 3 inches from the inside edge of the handle to the point. The blades shall not be polished or show a bright finish.

3.1.2.2 **Handle.** The handle shall be of plastic (see 3.1.1.2.2). A 1/4-inch diameter thong hole shall be located completely through the handle and blade approximately 1/2 inch from the end of the handle. Rivets used to connect the handle to the blade shall be of copper alloy or of commercial grade steel normally used by the manufacturer.

3.2 **Sheath.** Each machete blade shall be completely enclosed with a protective sheath made of heavy-duty kraft paper or paperboard. The sheath shall be secured to prevent accidental opening during shipment, handling, and storage.

3.3 **Identification marking.** The tool shall be marked with the manufacturer's name or identifying symbol, and the state or country of manufacture, unless otherwise specified. All identification markings shall be engraved, etched, molded, or indented directly on the item's surface in such a manner that it remains clearly legible throughout the life of the item.

3.4 **Workmanship.** Details of workmanship shall be in accordance with the best commercial practice. Paints, coatings, platings, and finishes shall be smooth, adherent, continuous, and not stained or discolored. External surfaces shall be free of tool and gouge marks, nicks, or other surface imperfections. The item shall be free from manufacturing workmanship defects (e.g., sharp or rough external edges, corners, or surfaces) and material workmanship defects (e.g., pits, rips, fins, burrs, tears, nodules, cracks, blisters) which may adversely impact the item's serviceability, durability, safety, or appearance.

4. REGULATORY REQUIREMENTS.

4.1 **Recovered materials.** 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).

4.2 **Metric products.** Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, provided they fall within the tolerances specified (using conversion tables contained in the latest revision of Federal Standard 376) and all other requirements of this document are met. If a product is manufactured to metric dimensions and those dimensions exceed the tolerances specified in the inch-pound units, a request should be made to the contracting officer to determine if the product is acceptable.

5. QUALITY ASSURANCE PROVISIONS.

5.1 **Product conformance.** The product provided to the Government shall conform to the contractually specified requirements. For product characteristics and requirements which are not contractually specified, the provided product shall conform to the producer's own drawings, standards, specifications, and quality assurance practices for the highest quality product commercially offered by the producer. If the product is not commercially offered by the producer, the best commercial practices shall apply. The Government reserves the right to require proof of such conformances prior to first delivery and thereafter as provided for under the provisions of the contract.

5.2 **Responsibility for inspection.** Unless otherwise specified, the contractor is responsible for the performance of all inspection requirements and may use any commercial facilities (including the contractor's own facilities) suitable for performance of the inspection requirements, unless disapproved by the Government. The Government reserves the right to perform any inspections deemed necessary to assure the item conforms to the specified requirements.

5.3 **Bid sample(s).** When a bid sample requirement is specified in the solicitation, the bid sample(s) shall be inspected for all salient characteristic by the Government. A failure of any bid sample to meet the salient characteristics shall be cause for rejection.

A-A-2981

5.4 First article sample(s). When a first article requirement is specified in the contract, the sample(s) shall be inspected for all salient characteristics. A failure of any first article sample to meet the salient characteristics shall be cause for rejection.

5.5 Hardness test. Each sample heat-treated blade shall be tested in accordance with ASTM E18 for a hardness requirement of 50 to 58 on the Rockwell C scale. Failure to meet these requirements shall result in rejection of the machete and the lot it represents.

6. PACKAGING.

6.1 Packaging. Requirements of preservation, packing, packaging, and marking of packages shall be as specified in the contract or order.

7. NOTES.

(This section contains information of a general or explanatory nature that is not mandatory.)

7.1 Addresses for obtaining copies of referenced documents:

Federal Acquisition Regulations (FAR): Government Printing Office, Superintendent of Documents, Washington, DC 20402-9371.

Federal Specifications and Standards: Federal Supply Service Bureau, Specification Section, Suite 8100, 470 L'Enfant Plaza, SW, Washington, DC 20407.

ANSI/ASQC Z1.4: American Society for Quality Control, P.O. Box 3005, 611 East Wisconsin Avenue, Milwaukee, WI 43201-4606.

ASTM E18: American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

AISI 1090 to 1095: American Iron and Steel Institute, 1101 17th Street, NW, Suite 1300, Washington, DC 20036-4700.

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

- (a) Title, number, and date of this Commercial Item Description.
- (b) When applicable, the appropriate NSN(s).
- (c) When applicable, the specific sizes, as specified in the Commercial Item Description.
- (d) If bid samples are required, the number of samples required, and the subjective inspection requirements.
- (e) If first article samples are required and the number of samples required.
- (f) If lot sampling inspection is required and the applicable lot sampling requirements. For example:

Sampling for inspection. Sampling for inspection (both examinations and testing) shall be in accordance with ANSI/ASQC Z1.4.

Inspection. Each sample tool shall be examined and tested for all salient characteristics. The Inspection Level shall be S-2 with an Acceptable Quality Level of 4.0, expressed in terms of defects per hundred units.

- (g) What preservation, packing, packaging, and marking of packages are required.

7.3 National Stock Numbers (NSNs). The following list of NSNs corresponds to the sizes specified in this CID. This list may not be indicative of all possible NSNs associated with this CID.

NSN	SIZE
5110-00-813-1286	Size 1 - 18-inch blade
5110-00-024-9681	Size 2 - 26-inch blade

MILITARY INTERESTS:

NONE: DoD has no registered interest in revisions or notices to this Commercial Item Description until further notice.

PREPARING ACTIVITY:

GSA - FSS