

[INCH-POUND]  
A-A-3099  
October 15, 1996

## COMMERCIAL ITEM DESCRIPTION

### HAMMER, CARPENTERS', STRAIGHT CLAW

The General Services Administration has authorized the use of this Commercial Item Description for procurement of type I, class 2, style B hammers as specified in GGG-H-86C for all federal agencies.

#### 1. SCOPE.

1.1 Scope. This Commercial Item Description covers a forged steel carpenters' hammer with a forged steel handle used for driving nails or ripping or removing nails with the claw end.

#### 2. CLASSIFICATION.

2.1 Classification. Not applicable.

#### 3. SALIENT CHARACTERISTICS.

3.1 Design. The carpenters' hammer shall have a striking head on one end and a straight claw at the opposite end of the head and shall be similar to Figure 1. The terminology used to describe the head is in accordance with Figure 2. The extreme end where the claw terminates shall have an approximate thickness of between 1/32 and 1/16 inch. The claws shall be the same length and width within approximately 1/32 inch. The face shall be chamfered to approximately 10 percent of its diameter. The face shall be either parallel to the axis of the handle or toed-in toward the handle up to a maximum of 4 degrees. Weight and dimensions for the hammer shall be in accordance with Table I.

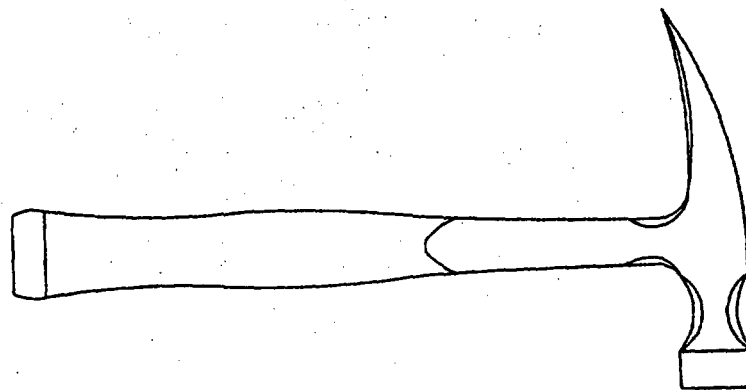


Figure 1. Hammer, carpenters', ripping, straight claw, forged steel, medium-fine, bright-polish finish.

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.

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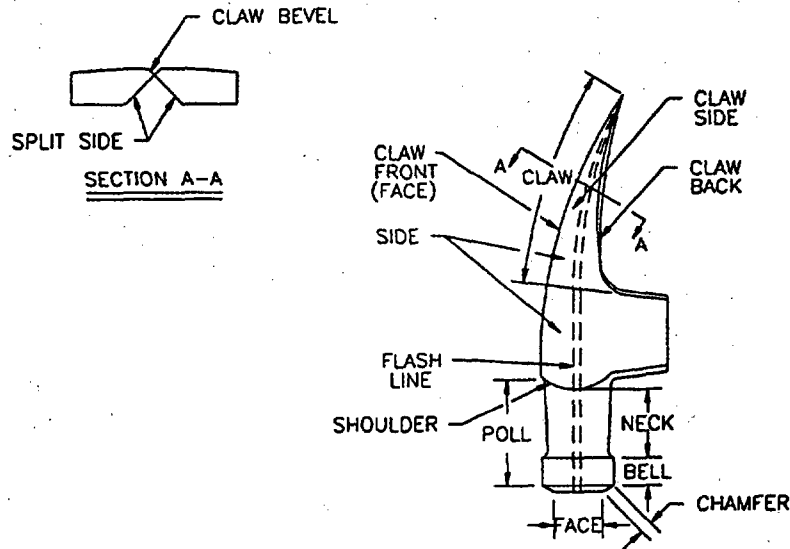


Figure 2. Hammer, carpenters', terminology.

TABLE I. Hammer, carpenters' ripping, straight claw, forged steel handle, medium-fine, bright polish finish

Head Weight (Ounces)	Diameter of head at face +3/16, -1/16 (Inches)	Overall length (Inches)
16 ± 1-1/2	1-1/16	13 ± 3/4
20 ± 2	1-1/8	14 ± 3/4

3.2 Handle. The handle shall be of steel construction.

3.2.1 Steel handle. The handle shall be forged solid steel integral with the head, or forged steel welded securely to the head. The handle shall not loosen under any working condition. The grip portion shall be covered with vinyl, neoprene, or other shock dampening, oil resistant non-twisting material.

3.3 ANSI B173.1. The hammer shall comply with ANSI B173.1-1990.

3.4 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 characteristics by the Government. A failure of any bid sample to meet the salient characteristics shall be cause for rejection.

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. When tested in accordance with ASTM E18, the hammer shall meet the hardness requirements in ANSI B173.1-1990. The test shall be performed on the face and on the claw, at a distance of not less than 3/8 inch from the ends of the claw. Suitable grinding or preparation shall be performed in the areas to be tested. Failure to meet this requirement shall be cause for rejection of the hammer and the lot it represents.

5.6 Striking test. When required, the sample(s) shall be tested in accordance with the test procedures in ANSI B173.1-1990. After completion of the test, visual examination shall not show evidence of chipping, cracking, sapling, or cracking between the hammer head and handle. Failure to meet this requirement shall be cause for rejection of the hammer and the lot it represents.

5.7 Nail-pulling test. When required, the sample(s) shall be tested in accordance with the test procedures in paragraph 4.4.5.1 and 4.4.5.2 of ANSI B173.1-1990. After completion of the test, visual examination shall not show evidence of chipping, flaking or notching, claw deformation, handle deformation, or cracking between the hammer head and the handle. Failure to meet this requirement shall be cause for rejection of the hammer 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.

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

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

ANSI B173.1-1990: American National Standards Institute, 11 West 42nd Street, New York, NY 10036.

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

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) If bid samples are required, the number of samples required, and the subjective inspection requirements.
- (d) If first article samples are required and the number of samples required.
- (e) 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.

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

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

NSN	TYPE	SIZE
5120-00-296-1789	Forged steel hammer	16 oz.

## MILITARY INTERESTS:

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

## PREPARING ACTIVITY:

GSA - FSS