

INCH-POUND

A-A-2321A

December 26, 2002

SUPERSEDING

A-A-2321

September 27, 1985

COMMERCIAL ITEM DESCRIPTION
FILE, HAND (AMERICAN PATTERN), TAPER

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

1. SCOPE. This commercial item description covers hand files used for sharpening standard hand saws and other saws having 60 degree angle teeth.

2. CLASSIFICATION.

Type I – Regular

Type II – Slim

Type III – Extra-Slim

Type IV – Double Extra-Slim

3. SALIENT CHARACTERISTICS.

3.1 Design. The file shall be tapered on all sides at least one-third ($1/3$) of the length to the point. Single-cut on each surface (one set of parallel cuts on the surface). Sides at any point on the file shall be of equal width. Edges set (blunted), then single-cut. No portion shall extend outside of the area of the largest cross-section of the file. The file shall be furnished in four (4) types and assorted sizes as shown in section 3.2.



Figure 1
Regular

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, Hardware SuperStore (6FEE), 1500 E. Bannister Rd Bldg. #6, Kansas City, Missouri 64131.

A-A-2321A



Figure 2
Slim



Figure 3
Extra-Slim



Figure 4
Double-Extra-Slim

3.2 Dimensions.

Length Inches	Dimensions at largest section	Number of teeth per inch surface		Number of teeth per inch edges	
	A	Min	Max	Min	Max
	Inch				
Type I - Regular					
6	1/2	40	45	51	56
8	5/8	36	40	45	51
10	3/4	32	36	42	46
Type II - Slim					
4	1/4	58	63	67	72
5	5/16	54	59	61	66
6	3/8	50	55	60	66
7	13/32	45	50	51	56
8	1/2	41	45	46	55
10	19/32	37	42	44	50
Type III - Extra-Slim					
4	3/16	61	68	72	79
6	9/32	55	60	62	70
7	11/32	51	56	57	65
8	13/32	48	52	54	60

A-A-2321A

Type IV- Double Extra-Slim

4	5/32	62	70	73	81
5	3/16	60	66	70	77
6	7/32	58	63	66	71
7	1/4	55	60	62	70

Length Dimensions: Measured from the point (free or front end) to the heel and have a tolerance of $\pm 1/8$ inch.

Tolerance: Width (A) - $\pm 1/32$ inch

3.3 Material. The file shall be of a carbon alloy steel.

3.4 Tang. Shall be of a conventional shape and size suitable for attachment to a wood handle. Tempered to a maximum hardness of 45 on the Rockwell C scale when tested per ASTM E18. It shall be measured at a point approximately midway of its length and width.

3.5 Teeth. Shall be uniformly cut or etched and of uniform height throughout the fully cut portion. Cutting surfaces shall be hardened to a uniform hardness. The distance between the heel and point of the file, excluding the tang, shall be hardened to not greater than 68 nor less than 64 on the Rockwell C scale when tested per ASTM E18. The file shall be free from decarburization and brittleness.

3.6 Marking. The file shall be marked with the name of the manufacturer or with a trademark of such known character that the source of manufacture may be readily determined.

3.7 Workmanship. The teeth of the file shall be well-defined, sharp, and uniform in height and form. There shall be no evidence of rust or other defect which may impair serviceability, durability 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. PRODUCT CONFORMANCE.

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

A-A-2321A

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 of the inspections deemed necessary to assure the item conforms to the specified requirements.

6. PACKAGING. Preservation, packaging and marking 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 Source of Documents.

American Society for Testing and Materials (ASTM), PO Box C700, West Conshohocken, PA 19428-2959.

Federal Acquisition Regulation (FAR): Government Printing Office, Superintendent of Documents, Washington DC. 20401-9371.

GSA Specification Section (3FP-E), Suite 8100, 470 L'Enfant Plaza, SW, Washington, DC 20407.

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 Commercial Item Description.
- b. Type
- c. Length
- d. Packaging requirements.

7.3 National Stock Numbers (NSN's). A list of NSN's assigned that correspond to this CID. The list may not be indicative of all possible NSN's associated with the CID.

NSN	Length Inches	NSN	Length Inches
Type I - Regular		Type III - Extra-Slim	
5110-00-234-6522	6	5110-00-529-3206	4
5110-00-516-3822	8	5110-00-156-0092	6
5110-00-234-6524	10	5110-00-242-8185	7
Type II - Slim		5110-00-293-3428	8
5110-00-234-6526	4	Type IV- Double Extra-Slim	
5110-00-423-0720	5	5110-00-540-6804	4
5110-00-234-6528	6	5110-01-023-0332	5
5110-00-242-8187	7	5110-00-009-5039	6
5110-00-234-6529	8	5110-00-239-7528	7
5110-00-245-3539	10		

A-A-2321A

7.4 Key words. File, Hand (American Pattern), Knife

MILITARY INTERESTS:

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

Preparing Activity:
GSA-FSS