

A-A-2484
August 15, 1988

COMMERCIAL ITEM DESCRIPTION

SCREWDRIVER, FLAT TIP
 (NONSPARKING AND NONMAGNETIC)

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

This commercial item description covers screwdrivers with plastic handles and fixed flat tip blades made of a nonferrous alloy having a low sparking hazard and a low magnetic permeability.

Salient characteristics:

Handle. The handle shall be made of a clear amber or yellow plastic, suitably shaped to fit the hand comfortably and provide a nonslip grip. Dimensions shall be the same as for comparable size screwdrivers with steel blades.

Blade. The screwdriver blade shall be made of beryllium copper or aluminum bronze alloy having an iron content not over five percent, and when present, it shall be well diffused throughout the alloy. When tested with a magnetic permeability indicator conforming to Military Specification MIL-I-17214, the magnetic permeability shall not be above 1.2 on the indicator scale.

The screwdriver tip shall be of either the straight or flared flat tip design for driving slotted head screws. The opposite end shall be designed to be securely mounted in the handle. The blade cross section shall have a diameter or width across flats approximately equal to the screwdriver tip width. Blade tip width and thickness, and lengths (outside of handle) shall be as shown in the following table. Tolerances shall be plus 1/32, minus 1/64 inch for tip widths, plus .007 or minus .002 inch for tip thickness, and plus or minus 1/4 inch for blade length. The included angle between bearing surfaces shall be 10 degrees maximum.

National Stock Number (NSN)	Blade Length (Inches)	Tip Width (Inch)	Tip Thickness (Inch)	Torsion Moment (In.-Lbs.)
5120-00-236-2132	3	9/32	0.032	35
5120-00-561-8021	3-3/4	1/4	0.037	30
5120-00-877-8806	4	1/8	0.020	4
5120-00-618-4915	6	1/8	0.020	4
5120-00-203-9588	6	3/16	0.032	15
5120-00-293-1608	6	5/16	0.042	60
5120-00-287-2502	8	3/8	0.050	110
5120-00-287-2503	12	3/8	0.050	110

Torsion loads. Each screwdriver shall be capable of withstanding a minimum torsion load as shown in the above table without sustaining deformation or other defects which might affect the durability or serviceability of the screwdriver.

Workmanship. Screwdrivers shall be smoothly finished and free from burrs and rough edges. Blades shall be assembled to the handles securely and in proper alignment. Blade tips shall be symmetrical.

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

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Marking. Each screwdriver shall be marked in a plain and permanent manner with name, abbreviation, or chemical symbol of the alloy, the manufacturer's name or trademark of such known character that the source of manufacture may be readily determined, and the country of origin.

Quality assurance provisions. Sampling for inspection shall be in accordance with MIL-STD-105, Sampling Procedures and Tables for Inspection by Attributes, except where otherwise indicated herein. The lot size shall consist of all screwdrivers offered for acceptance at one time. A sample unit shall be one screwdriver.

A. Examination for design, dimensions and workmanship. The inspection level shall be S-2 with an acceptable quality level (AQL) of 4.0 percent defective.

B. Material. Material shall be ascertained by manufacturer's certification.

C. Torsion moment test. Torsion moment testing shall be in conformance with commercially accepted procedures. The inspection level shall be S-2 with an AQL of 4.0 percent defective.

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

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

Notes:

The issue of referenced documents in effect on the date of invitation for bid or request for proposals shall be used to determine compliance with the stated requirements. Sources for obtaining referenced documents may be determined by contacting the Contracting Officer.

MILITARY INTERESTS:

NONE: DoD has determined that no military activity has an official interest in this commercial item description.

PREPARING ACTIVITY:

GSA-FSS