

A-A-50459
 May 24, 1983

COMMERCIAL ITEM DESCRIPTION

SHEARS, METAL CUTTING, ELECTRIC (PORTABLE)

The General Services Administration has authorized the use of this commercial item description in preference to Federal Specification GGG-S-282E.

Intended use. This commercial item description covers commercial shears that are used for straight or contour cutting of ferrous and nonferrous materials.

Salient characteristics. The shears shall be of the manually hand held and guided type, with a pair of blades, one to be stationary blade(s), the other to be the cutting blade with a reciprocating movement, shears shall have the capacity of cutting ferrous and nonferrous material from 10 gage through 18 gage.

Type I. Type and sizes shall be in accordance with table 1.

TABLE 1. Type I requirements.

Size	Manufacturers gage	Capacity			Overall length (max.) Inches	Weight w/o cable (max.) Pounds
		Steel thickness (approx) Inch	Cutting rate (min) Ft/Min	Cutting radius (min) Inches		
		1	18 -	0.0478		
2	16 -	0.0598	15	1-1/2	14	12
3	12 -	0.1046	15	2-1/2	15	16

Type II. Shear shall be of double shear action and shall be provided with a swivel head having a locking device to fix the head in one of several positions.

Electrical characteristics. The shears shall be operated on 115 volt, single phase, 60 cycle alternating current. Motor, switch, controls, wiring, and power-supply cord shall conform to UL45.

Standards compliance. The shears shall conform to UL45, ANSI B3.5, B3.6, B3.8, and AFBMA, section 5.

Certification. The contractor shall certify that the product offered meets the salient characteristics of the description and conforms to the producer's own drawings, specifications, standards, and quality assurance practices, and is the same as the product sold in the commercial marketplace. The Government reserves the right to require proof of such conformance prior to the first delivery and thereafter as may be otherwise provided for under the provisions of the new contract.

Recovered materials. Manufacturers are encouraged to utilize recovered materials to the maximum extent practicable.

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Packaging, packing, and marking. Unless otherwise specified in the contract or purchase order, the packaging and packing shall be in accordance with the contractor's standard commercial practice and shall assure acceptance by common carrier and provide product protection against deterioration, loss, and damage during multiple shipments, handling, and storage. The shipping container shall be in compliance with the National Motor Freight Classification and Uniform Freight Classification. Marking shall be as specified in the contract or purchase order.

Notes

American National Standards are available from the American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018.)

Anti-Friction Bearing standards are available from the Anti-Friction Bearing Manufacturers' Association, 60 East 42nd Street, New York, NY 10017.)

National Motor Freight Classification standards are available from the American Trucking Associations Inc., Traffic Department, 1616 P Street, N.W., Washington, DC 20036

UL standards are available from the Underwriters' Laboratories, Inc., 333 Pfingsten Road, Northbrook, IL 60062

Uniform Freight Classification standards are available from the Uniform Classification Committee, Suite 1106, 222 South Riverside Plaza, Chicago, IL 60606

MILITARY INTERESTS:

CIVIL AGENCY COORDINATING ACTIVITIES:

Custodians

GSA - FSS

Navy - SH
Air Force - 99

PREPARING ACTIVITY:

Navy - YD

Review Activity

Project No. 5130-0292

Air Force - 84