

A-A-2337
November 8, 1984

COMMERCIAL ITEM DESCRIPTION

TRIMMER, TREE, POLE-MOUNTED

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

This commercial item description covers hand operated implements designed to cut small tree branches above ground level.

Salient characteristics.

The rope-and-pulley operated, center-cut trimmers shall be of the following types:

- Type I - Trimmer
- Type II - Trimmer with saw

Requirements. The following characteristics, unless otherwise specified, are for Type I and Type II trimmers.

Size. The minimum length of the trimmer with extension poles connected shall be 18 feet.

Capacity. The maximum cutting capacity of the pruning head shall be 1.5 inches.

Pruning head. The material for pruning head construction shall be welded or riveted stamped steel, malleable iron, or drop-forged steel. The head shall be curved into a hook to cradle the tree branch.

Cutting blade. The lever-actuated cutting blade shall be mounted to pivot through the pruning head. The blade shall be high carbon steel which is ground and polished to a beveled cutting edge.

Heat treatment. The blade and pivot bolt shall be heat treated to a hardness of Rockwell C48 to C56 in accordance with ASTM E18.

Pivot bolt. The high grade steel bolt shall prevent the blade from loosening when the trimmer is operated, yet allow the blade to be easily removed for resharpening.

Pulley The cutting blade shall be operated by a rope or rope and steel cable chain mounted over an offset pulley.

Rope. The rope shall be high grade cotton, manila, or polypropylene fabricated and finished in accordance with good commercial practice.

Spring. When the trimmer is not operated, the cutting blade shall be held in the open position by a high quality steel spring.

Pole sections. The head pole shall have a minimum length of 68 inches. The trimmer shall have two or three extensions not more than nine feet in individual length.

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Ferrule. Each section shall be equipped with a positive locking ferrule to secure the extensions to the head pole and prevent loosening when the trimmer is operated.

Pole material. Unless otherwise specified, the sections shall be constructed of Douglas fir, Sitka spruce, or Western hemlock, finished in accordance with good commercial practice.

Coating. The sections shall be completely coated with two coats of a clear varnish or shellac to prevent the absorption of water.

Finish. The metal parts of the trimmer shall be smooth and protected against corrosion.

Identification. The trimmer shall be permanently and legibly marked with the manufacturer's name or trademark.

Cutting test. The trimmer shall cleanly sever 15 consecutive green hardwood branches 1.5 inches in diameter without damage or distortion to any of its component parts. Operation shall be smooth, well balanced and require a minimum of effort.

Type II. The trimmer shall be similar to the Type I trimmer with the addition of a curved and tapered saw. The saw shall be secured to the pruning head by a wingnut and screw; attachment shall not interfere with the pruning head operation.

Saw. The steel saw shall be 16 inches long and have seven needlepoint, peg teeth per inch. Operation shall be nonbinding and designed to cut on the draw stroke.

Coating. When specified, or at the manufacturer's option when not specified, the saw blade shall be coated for lubrication, corrosion resistance, and nonbinding operation.

Adjustment. The saw shall be adjustable to various angles by the positive locating pin or tooth and recess engagement method.

Hardness. The saw blade shall be heat treated to a hardness of Rockwell C44 to C52 in accordance with ASTM E81.

Cutting test. The saw shall cut through five consecutive branches of green hardwood not less than two inches in diameter. Operation shall be nonbinding and cause no distortion or damage to the saw.

Workmanship. The trimmers shall be free from defects which will impair their appearance, durability, or serviceability.

Regulatory requirements. The offeror/contractor is encouraged to use recovered materials in accordance with Public Law 94-580 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. This commercial item description does not cover all types, classes, grades, or sizes of the commodity indicated by the title of this commercial item description, or of those which are commercially available, but is intended to cover the types normally procured to meet Federal requirement.

Purchaser should specify the type in contract or ordering documents.

The specification/commercial item description contains no warranty provision, and no commercial warranty is known to exist.

The commercial item certification clause is not required when this commercial item description is used for procurement.

Copies of ASTM E18 are available from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.

MILITARY INTERESTS:

Custodians

- Army - ME
- Air Force - 99

Review Activity

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User Activities

- Army - ME
- Navy - YD

CIVIL AGENCY COORDINATING ACTIVITY:

USDA - AFS

PREPARING ACTIVITY:

GSA-FSS