

A-A-50651  
August 28, 1980

COMMERCIAL ITEM DESCRIPTION

BOOTS, CLIMBER'S

The General Service Administration has authorized the use of this commercial item description in preference to MIL-B-83036.

Scope. This commercial item description covers climber's boots.

Lengths, widths, and sizes. The boots shall be either 10 inches or 16 inches in height and in the following sizes as specified by the procuring activity:

<u>Widths</u>	<u>Sizes</u>
B (XN)	4 - 14-1/2
C (N)	4 - 14-1/2
D (R)	4 - 14-1/2
E (W)	4 - 14-1/2
EE (XW)	4 - 14-1/2.

Applicable documents. The following documents are referenced in this commercial item description.

ANSI Z41.1-1967 (R1972) American National Standard for Men's Safety-Toe Footwear

(Copies of this document can be obtained from the American National Standards Institute, Inc.; 1430 Broadway; New York, New York 10018.)

ASTM D 2240-75 Indentation Hardness of Rubber and Plastics by Means of a Durometer

(Copies of this document can be obtained from the American Society for Testing and Materials; 1916 Race Street; Philadelphia, Pennsylvania 19103.)

Description. The boots shall be black, either 10 inches or 16 inches in height, and fully laced with eyelets and hooks. Each boot shall have a safety box toe, an outside counter with an extended inner side pocket, a backstay with a pull-on loop, a full length midsole, a full length nonmarking outsole, an insole, and a logger type of heel with an extra lift to adapt to all conventional climbing irons.

Characteristics. The components of the boots shall be as follows:

(a) Unless otherwise specified herein, the uppers (see table I), the insoles, the midsoles, and the heel wedges shall be cut from grain out leather that has been treated for water resistance and that contains not less than 0.18 percent nor more than 0.70 percent paranitrophenol fungicide.

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(b) The midsoles may be leather or leatherboard. The midsoles, after leveling, shall be not less than 8 irons nor more than 10 irons in thickness.

(c) The heel wedges may be leather or plastic.

(d) The nails shall be brass or steel.

(e) The shanks shall be at least 17-gauge steel.

(f) The eyelets shall be brass (black or natural color brass).

(g) The hooks shall be solid brass.

(h) The insoles shall be not less than 8 irons in thickness.

(i) The outsoles shall be rubber and shall be not less than 16 irons in thickness. The hardness of the rubber for the outsoles, determined with a durometer in accordance with ASTM D 2240-75, shall be not less than 72 nor more than 85 before aging and not less than 72 nor more than 90 after aging for 24 hours at 100 degrees (plus or minus 1 degree) Centigrade.

(j) The safety box toes shall be made from steel that will resist an impact of 75 foot-pounds in accordance with ANSI Z41.1-1967 (R1972).

TABLE I. Thickness of leather.

Components	Thickness of Leather (Ounces)	
	Minimum	Maximum
Vamps	5	6
Quarters	4-1/2	6
Counters pockets	4	6
Backstays	4	6

Lasts. The lasts on which the boots are to be made shall be supplied by the contractor.

Workmanship. The boots shall be constructed in a thoroughly workmanlike manner. The finished boots shall be free from any defects that might affect appearance or functionability.

Certification. The contractor shall certify that the product offered conforms to the requirements specified herein and to the producer's own drawings, specifications, standards, and quality assurance practices and is the same product that is offered for sale 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 contract.

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Packaging. The boots shall be packaged in accordance with standard commercial practice except for the quantity of boots in each shipping container. Unless otherwise specified herein, 12 pairs of boots of one width and one size shall be packed in each shipping container. Toward the end of the contract or order or if the quantity of boots of one width and one size is less than quantity of boots required for the shipping container, mixed sizes may be packed in the same shipping container.

Marking for shipment. Marking for shipment shall be as specified herein and in the contract or order. If the boots in a shipping container are not of one width and one size, the words mixed sizes shall be legibly printed on the outside of the shipping container. The quantity (pairs) and the widths and the sizes of the boots in the shipping container shall be legibly printed under the words mixed sizes.

Intended use. The boots covered by this commercial item description are intended to provide safety when worn to climb wooden poles, to work at heights as great as 90 feet, and to climb steel structures at even greater heights for long periods of time and while handling heavy tools, equipment, and materials.

Ordering data. Procurement documents should specify the following:

- (a) Title, number, and date of this commercial item description
- (b) Height, width, and size of boots
- (c) Marking for shipment.

Custodians:  
Air Force - 11  
Army - GL

Preparing activity:  
Air Force - 11

Reviewers:  
Air Force - 99  
Army - MD

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