

METRIC

A-A-52475  
October 6, 1993  
SUPERSEDES  
MS52127C  
22 December 1988

## COMMERCIAL ITEM DESCRIPTION

## CHOCK, WHEEL

The General Services Administration has authorized the use of this commercial item description (CID) as a replacement for MS52127C, which is canceled.

## ABSTRACT

- a. This CID covers wheel chocks used for truck and trailer stabilization and safety.
- b. Classification. Items shall be classified as follows (see figure 1):
  - Type I - Wood chock.
  - Type II - Rubber or wood chock.
  - Type III - Cast or extruded non-ferrous metal chock.

## SALIENT CHARACTERISTICS

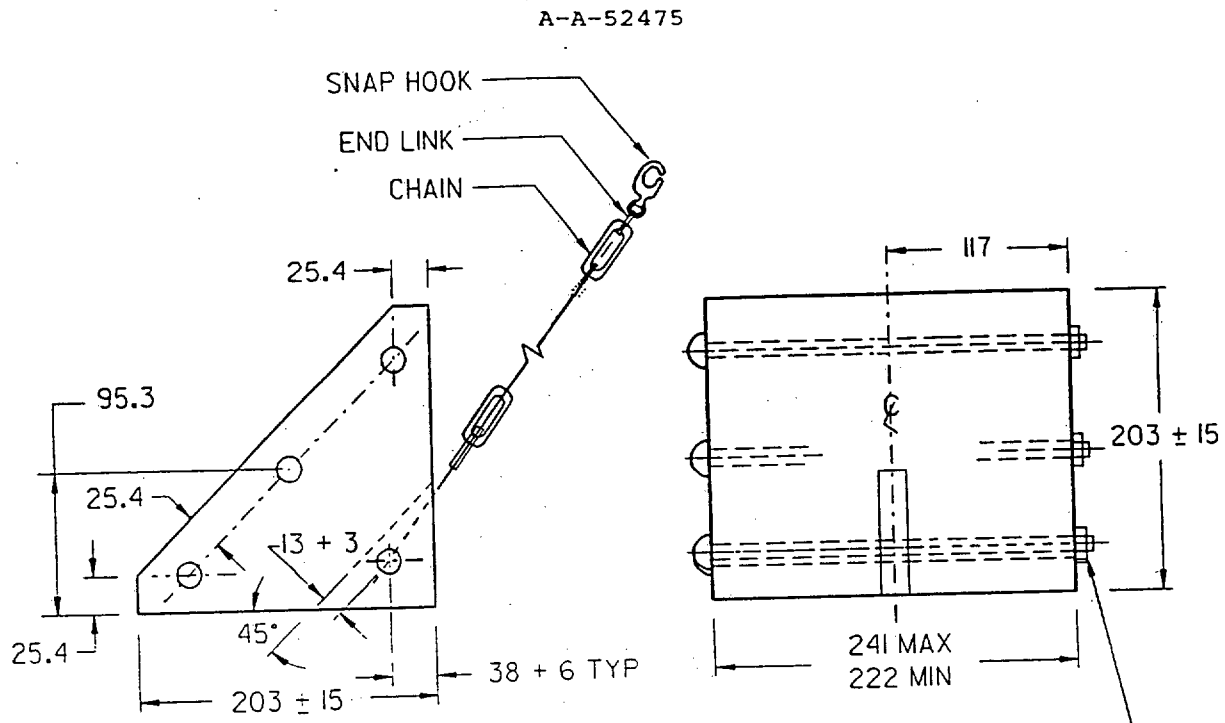
- a. Materials. Unless otherwise specified herein, the materials used shall be in accordance with the manufacturer's materials specification for wheel chocks. The use of recovered material made in compliance with regulatory requirements is acceptable providing all requirements of this CID are met (see note e).
- b. Wheel chock material.
  1. Type I wheel chocks. Type I wheel chocks shall be made of laminated hardwood (maple, red or white oak) with 32 millimeter (mm) minimum thickness.

Beneficial comments, recommendations, additions, deletions clarifications, etc. and any other data which may improve this document should be sent by letter to: U.S. Army Tank-Automotive Command, ATTN: AMSTA-GDS, Warren, MI 48397-5000.

AMSC N/A

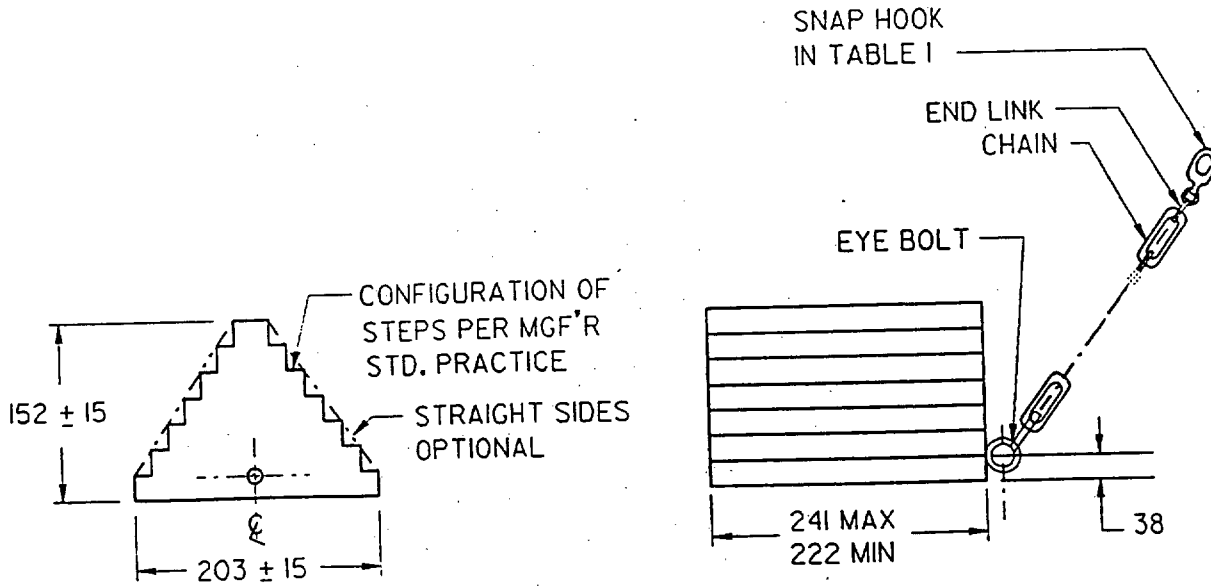
FSC 2540

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



CUT OFF EXCESS LENGTH OF BOLT AND PEEN OVER  
4 EACH REQUIRED  
(SEE NOTE 4)

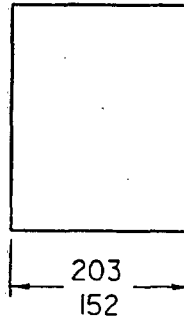
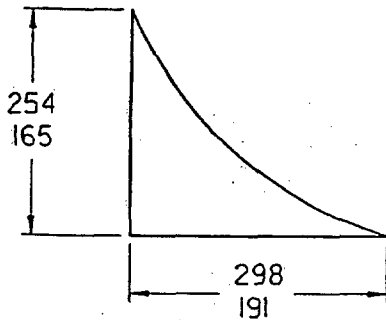
TYPE I



TYPE II

FIGURE 1. Chock, wheel.

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CHAIN AND HOOK ASS'Y  
SHALL BE AS TYPE I, OR II

MAXIMUM ALLOWABLE WEIGHT  
FOR EACH CAST OR EXTRUDED  
BLOCK IS 5.4 KILOGRAMS.

TYPE III

CROSS REFERENCE		
Wheel chock type	PIN number	Former MS part number
Type I	A52475-1	MS52127-3
Type II	A52475-2	None
Type III	A52475-3	None

**NOTES:**

1. Type III chock block shall have one surface (that would normally be in contact with the tire) that has a curvature to match one of the mid-range current commercial truck tire sizes/diameters.
2. Chock block shall be furnished as a complete painted assembly (with chain attached, etc.).
3. Radius or chamfer all outer edges.
4. 8 mm bolts shall be used to assemble type I wheel chocks (optional bolt 5/16 x 18 UNC 2A).
5. Unless otherwise specified, dimensions are in millimeters. Tolerances are  $\pm 6$  mm.

FIGURE 1. Chock, wheel - Continued.

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2. Type II wheel chocks. Type II wheel chocks shall be made of vulcanized or synthetic rubber or laminated hardwood with 32 mm minimum thickness. Industry alternate materials, such as, laminated rubber pads, fabric-reinforced rubber compounds, extruded rubber compounds, molded urethane, etc. may also be used.

3. Type III wheel chocks. Type III wheel chocks shall be made of cast or extruded non-ferrous metal, such as, aluminum, which is "sparkproof".

c. Chain assembly. The chain assembly shall be fabricated from the following components:

Steel chain 2440 mm long (minimum) Size 4.76 mm (nominal).

Steel lap link Size 4.76 mm (nominal).

d. Eye bolt. The eye bolt shall be fabricated from wrought iron or steel.

e. Snap hook. The snap hook (32 mm in size) shall be made of ungalvanized malleable iron.

f. Design and construction. The wheel chocks shall be designed and constructed in accordance with figure 1.

g. Finish treatment. Wheel chocks shall be cleaned treated and painted in accordance with MIL-T-704 type A. Finish color shall be green 383. The paint system applies to all mating wood surfaces, all exterior wood surfaces, all ferrous part surfaces, and all aluminum part surfaces. Rubber and rubber compounds shall not be painted and shall be molded color black. All ferrous metal parts shall be zinc plated per ASTM A153 before painting.

h. Identification markings. Identification markings shall be permanent and legible and shall include, as a minimum, the manufacturer's CAGE code and part number, and the part identification number (PIN) (see note c).

i. Special marking. The marking shall appear on the flat end of the wheel chock.

#### QUALITY ASSURANCE PROVISIONS

a. Responsibility for inspection. The contractor is responsible for the performance of all inspections (examinations and tests).

b. Contractor certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this commercial item description and that the product conforms to the producer's own drawings, specifications, workmanship standards, and quality assurance practices. Items with known defects shall not be submitted for Government acceptance. 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.

#### PRESERVATION, PACKAGING, PACKING, LABELING, AND MARKING

Preservation, packaging, packing, labeling, and marking for the desired level shall be as specified in the contract (see note b).

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## NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

a. Addresses for obtaining copies of referenced documents.

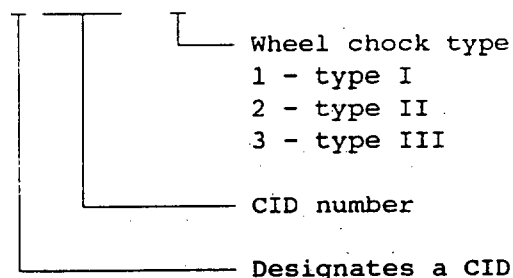
1. Military specification. Copies of MIL-T-704 "Treatment and painting of material" are available from the Navy Publication and Printing Service Office Standardization Documents Order Desk, Bldg 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.
2. Non-Government publication. Copies of ASTM A153 "Zinc Coating (Hot Dip) on Iron and Steel Hardware" are available from the American Society for Testing and Materials (ASTM), 1916 Race Street, Philadelphia, PA 19103-1187.

b. Ordering data. Acquisition documents must specify the following:

1. Title, number, and date of this CID.
2. Issue of DODISS to be cited in the solicitation and, if required, the specific issue of individual documents referenced.
3. Type of wheel chock, PIN and quantity required.
4. Selection of applicable level and packaging requirements.

c. Part or identification number (PIN). The PINs to be used for wheel chocks, acquired to this CID, are created as follows:

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d. Replacement parts. The following table I is a list of inch-pound replacement parts for the wheel chock assembly.

TABLE I. Replacement parts.

Name of part	Replacement part number
carriage bolt	MS35751-65
flat washer	MS27183-13
nut	MS51967-5
snap hook	M43770/6-M1ZE1

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

**MILITARY INTERESTS:**

Custodians

Army - AT

Navy - YD

Review Activity

DLA - CS

User Activity:

Army - ME

**CIVIL AGENCY COORDINATING ACTIVITY:**

GSA - FSS

**PREPARING ACTIVITY:**

Army - AT

(Project 2540-0393)