

[INCH-POUND]  
A-A-50578  
April 15, 1997  
SUPERSEDING  
MIL-C-18795G  
1 June 1992

## COMMERCIAL ITEM DESCRIPTION

### CART, CONCRETE

The General Services Administration has authorized the use of this commercial item description for all Federal agencies.

1. **SCOPE.** This commercial item description (CID) covers a two-wheeled, pneumatic tired, hand pushed concrete cart of not less than 6 cubic foot (cf) (0.17 cubic metre (m<sup>3</sup>)) capacity.

2. **CLASSIFICATION.** Style and size as specified herein.

3. **SALIENT CHARACTERISTICS.**

3.1 **Description.** The cart shall consist of a steel body, axle(s), two pneumatic tired wheels, support legs, rockers, and a handle. The cart shall have a struck capacity of not less than 6 cf (0.17 m<sup>3</sup>).

3.2 **Standard commercial product.** The cart shall, as a minimum, be in accordance with the requirements of this CID and shall be the manufacturer's standard commercial product. Additional or better features which are not specifically prohibited by this CID but which are a part of the manufacturer's standard commercial product, shall be included in the cart being furnished. A standard commercial product is a product which has been sold or is being currently offered for sale on the commercial market through advertisements or manufacturer's catalogs, or brochures, and represents the latest production model.

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to: Commanding Officer (Code 15E2), Naval Construction Battalion Center, 1000 23rd Avenue, Port Hueneme, CA 93043-4301, by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

## A-A-50578

3.3 Performance characteristics. The cart shall be designed so that, when fully loaded, one man can easily maneuver the cart over uneven surfaces, such as commonly found at construction sites. Resting on its support legs, the cart shall not dump its load, roll, turn, or move when left unattended. Two men, one pushing the other pulling, using a line or hook, shall be able to maneuver the cart up an incline of not less than 8 feet (ft) (2 438 millimetre (mm)) in length and a slope of 4 to 1. The center of gravity is located in a position which shall allow one man to dump the entire contents with minimum effort.

3.4 Composition.

3.4.1 Dimensions. The overall width of the cart shall be not greater than 31 inches (787 mm). The grip part of the handle shall be 1.0 to 1.5 inches (25 to 38 mm) in diameter. The handle shall be from 27 to 35 inches (686 to 889 mm) from level ground, measured to the top of the handle while the cart is resting on its support legs.

3.4.2 Body. The body shall be constructed of sheet steel components welded together, or of a single steel sheet formed to the required shape. Nominal thickness of the sheet steel shall be not less than 0.0747-inch (2 mm). The interior surface of the body shall be smooth and free of obstructions; rounded fasteners will be permitted on the side walls of the body for the purpose of attaching the cart legs, axle and handle assemblies as long as there are no restrictions to catch the edge of the shovel blade. To withstand the stresses imposed, and to prevent permanent deformation or damage to the cart, the body shall be reinforced wherever necessary, but particularly where the axle(s), support legs, handle, and rockers connect to the body and along the upper rim. A towing eye or bail shall be secured to the cart in a position which shall permit a second man, with a hook or line, to pull the cart up a steep incline.

3.4.3 Axle(s) and wheels. The cart shall be furnished with a drop type axle or two stub type axles. Wheels shall be the steel spoke or disk type, with recessed hubs. Wheel hubs shall be equipped with heavy duty, roller, or ball type bearings.

3.4.4 Tires. Tires shall be tube or tubeless type. If provided, tubes shall be heavy-duty type and of correct size to match the tires as recommended by the Tire and Rim Association Inc. (TRA). Size of tires furnished shall be not less than 4 by 18, with a ply rating of not less than 4. Tires shall not extend above the upper rim of the body.

3.5 Identification marking. Identification shall be permanently and legibly marked directly on the cart or on a corrosion-resisting metal plate securely attached to the cart at the source of manufacture. Identification shall include the manufacturer's model and serial number, name and trademark to be readily identifiable to the manufacturer.

#### 4. REGULATORY REQUIREMENTS.

4.1 Materials. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulations (FAR). Unless otherwise specified herein, all equipment, material, and articles incorporated in the

## A-A-50578

work covered by this commercial item description are to be new and fabricated using materials produced from recovered materials to the maximum extent possible without jeopardizing the intended use. The term “recovered materials” means materials which have been collected or recovered from solid waste and reprocessed to become a source of raw materials as opposed to virgin raw materials. Unless otherwise specified, none of the above shall be interpreted to mean that the use of used or rebuilt products are allowed under this commercial item description.

4.2 Metric products. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, provided they fall within specified tolerances using conversion tables contained in the latest version of ASTM E 380, and other requirements of this CID including form, fit, and function are met. If a product is manufactured to metric dimensions and those dimensions exceed the tolerances specified in the inch-pound units, a request should be made to the contracting officer to determine if the product is acceptable. The contracting officer has the option of accepting or rejecting the product.

## 5. QUALITY ASSURANCE PROVISIONS.

5.1 Product conformance. The product provided shall meet the salient characteristics of this CID, conform to the producer’s own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The government reserves the right to require proof of such conformance.

6. PACKAGING. The preservation, packing, and marking shall be as specified in the contract or order.

## 7. NOTES.

7.1 Part Identification Number (PIN). The following part identification numbering procedure is for government purposes and does not constitute a requirement for the contractor. The PIN to be used for items acquired to this description is as follows:

AA50578

CID number \_\_\_\_\_

## 7.2 Source of documents.

7.2.1 The Federal Acquisition Regulation (FAR) may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

7.2.2 ASTM Standards are available from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshocken, PA 19428-2959.

7.2.3 TRA Yearbook is available from the Tire and Rim Association, Inc. 175 Montrose Avenue West, Copley, OH 44321.

A-A-50578

7.3 Subject term (key word) listing.

Cart  
Hand pushed  
Pneumatic tired  
Two wheeled

MILITARY INTERESTS:

Custodian:  
Navy - YD1

Review Activities:  
Army - AT  
DLA - CS

CIVIL AGENCY COORDINATING ACTIVITY:

GSA-FSS

PREPARING ACTIVITY:

Navy-YD1

(Project 3895-0041)

# STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

## INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

### I RECOMMEND A CHANGE:

1. DOCUMENT NUMBER  
A-A-50578

2. DOCUMENT DATE (YYMMDD)  
970415

### 3. DOCUMENT TITLE

CART, CONCRETE

### 4. NATURE OF CHANGE *(Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)*

### 5. REASON FOR RECOMMENDATION

### 6. SUBMITTER

a. NAME *(Last, First, Middle Initial)*

b. ORGANIZATION

c. ADDRESS *(Include Zip Code)*

d. TELEPHONE *(Include Area Code)*  
(1) Commercial  
(2) AUTOVON  
*(if applicable)*

7. DATE SUBMITTED  
(YYMMDD)

### 8. PREPARING ACTIVITY

a. NAME

ROMULO R. NICHOLAS

b. TELEPHONE *Include Area Code)*  
(1) Commercial

805-982-6063

(2) AUTOVON

551-6063

c. ADDRESS *(Include Zip Code)*

COMMANDING OFFICER, NCBC CODE15E2N  
1000 23RD AVENUE  
PORT HUENEME, CA 93043-4301

**IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:**

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Telephone (703) 756-2340 AUTOVON 289-2340