

[METRIC]  
A-A-52521  
September 26, 1995  
SUPERSEDING  
MS35841C  
15 January 1974  
MS51063C  
23 April 1976

## COMMERCIAL ITEM DESCRIPTION

### FILLER NECK: RADIATOR (METRIC)

The General Services Administration has authorized the use of this commercial item description (CID) for all federal agencies.

1. SCOPE. This CID covers medium and large size radiator filler necks for 64 and 95 millimeter (mm) size radiator caps rated nominally at 41 to 55 kilopascals (kPa) and 34 to 48 kPa pressure relieving, respectively.

2. CLASSIFICATION. The filler necks shall be of the following types:

- |         |  |
|---------|--|
| Type I  | - Medium size (for 64 mm size radiator caps) |
| Type II | - Large size (for 95 mm size radiator caps)  |

3. SALIENT CHARACTERISTICS.

3.1 Materials. The type I filler neck material shall be brass alloy, Unified Numbering System (UNS) 24000, 26000, or 26800, temper-anneal, 1.02 mm thick. The type II filler neck material shall be brass, sheet or strip, UNS 26000, temper-optional, 1.57 mm thick. The use of recovered material made in compliance with regulatory requirements is acceptable providing that all requirements of this CID are met (see 6.5).

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 and Armaments Command, ATTN: AMSTA-TR-E, Warren, MI 48397-5000.

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3.2 Heat treatment. The type II filler neck shall be stress relieved after forming.

3.3 Design and construction. The filler necks shall be designed and constructed as specified in SAE J164 for medium and large filler necks.

3.4 Identification and markings. Identification and marking of the filler necks shall be permanent and legible and shall include as a minimum, the manufacturer's identification code (CAGE) and the part identification number (PIN) (see 6.2).

#### 4. QUALITY ASSURANCE PROVISIONS.

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

4.2 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 drawing, 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.

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

Preservation, packaging, packing, and marking for the desired level shall be as specified in the contract (see 6.2).

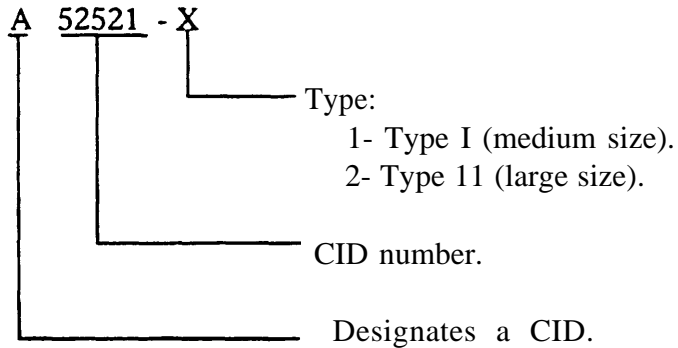
6. NOTES. (This section contains information of a general or explanatory nature that may be helpful but is not mandatory.)

6.1 Addresses for obtaining copies of reference documents. Copies of SAE J164 "Radiator Caps and Filler Necks" and The Metals and Alloys in the unified number system (UNS) publication are available from the Society of Automotive Engineers, Inc., 400 Commonwealth Drive, Warrendale, PA 15096-0001.

6.2 Ordering data. Acquisition documents must specify the following:

- a. Title, number, and date of this CID.
- b. Issue of DODISS to be cited in the solicitation and, if required, the specific issue of the individual documents referenced.
- c. PIN number and quantity of filler necks required.
- d. Selection of applicable level and packaging requirements.

6.3 Part or identifying number (PIN). The PINs to be used for filler necks acquired to this CID are created as follows:



6.4 Cross-reference data. Filler necks conforming to this CID are interchangeable/substitutable with filler necks conforming to MS35841 C and MS51063C.

6.5 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:

CIVIL AGENCY COORDINATING ACTIVITY:  
GSA-FSS

Custodian:

Army - AT

Air Force - 82

PREPARING ACTIVITY:

Army - AT

Review activities:

Navy - MC, SH

DLA - CS

AIRFORCE - 99

(Project 2930-0022)