

INCH-POUND

A-A-52532

November 27, 1995

SUPERSEDING

MS53039B

31 January 1990

COMMERCIAL ITEM DESCRIPTION

SOCKET, KINGPIN, FIFTH WHEEL - UNIVERSAL

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

1. SCOPE

This CID covers the requirements for a universal socket used with the universal kingpin in coupling trailer to a truck-tractor or a trailer converter dolly fifth wheel.

2. SALIENT CHARACTERISTICS

2.1 Materials. Unless otherwise specified herein, the materials used shall be in accordance with manufacturer's specifications/drawings. The use of recovered materials made in compliance with regulatory requirements is acceptable providing that all requirements of this CID are met (see 3.1).

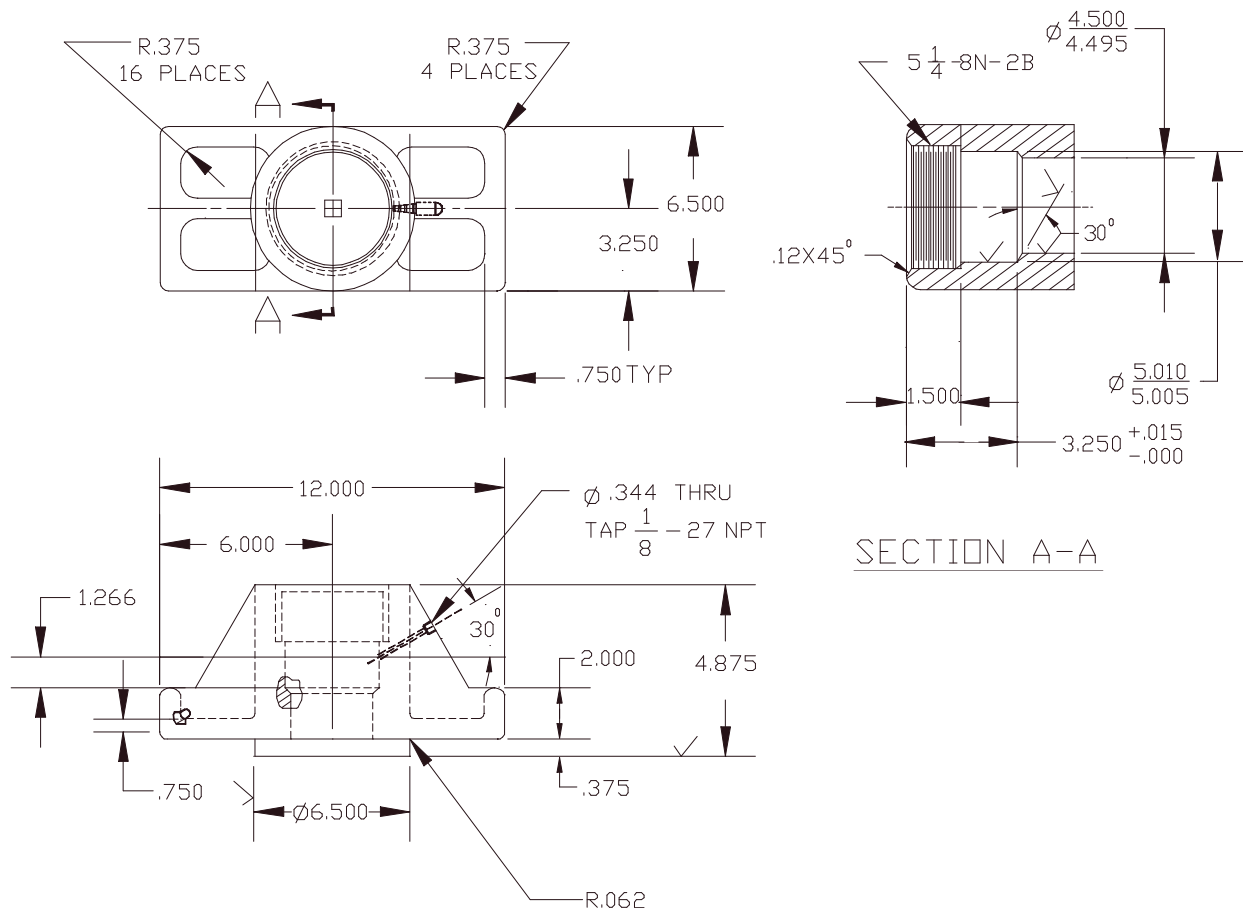
2.1.1 Steel casting. The socket shall be made of steel casting conforming to Unified Numbering System Number UNS J03001 (see 6.1.2).

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/BLUE, Warren, MI 48397-5000.

FSC 2510

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

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| Part Identification Number | Former MS part no. |
|----------------------------|--------------------|
| AA52532-1 | MS53039-1 |

NOTES:

1. Unless otherwise specified, all radii shall be 0.250 inch.
2. Dimensions are in inches. Unless otherwise specified tolerances are ± 0.015 ; $\pm 1^\circ$ on angular dimensions.
3. Threads shall be in accordance with American National Standard Thread "8N" series.
4. Unless otherwise specified, all machine surfaces shall be 63 where shown with surface roughness symbol $\sqrt{\quad}$, all other surfaces 250 according to ANSI/ASME B46.1 (see 6.1.2).

FIGURE 1. Socket, kingpin, fifth wheel - universal.

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2.2 Design and construction. The socket shall be designed and constructed in accordance with the figure 1.

2.3 Compatibility. Sockets shall be compatible to be used with kingpins conforming to A-A-52531 and retainers conforming to MS53040-1 (see 6.1.1). Certain provisions of the associated kingpin and retainer are subject to International Agreement QSTAG 284 and STANAG 4009 Part I and Part IV (see 6.5).

2.4 Identification markings. Identification markings shall be permanent and legible and shall include, as a minimum, the manufacturer's CAGE code, manufacturer's part number and the part identification number (PIN), AA52532-1 (see Figure 1 and 6.2).

3. REGULATORY REQUIREMENTS

3.1 Recovered material. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

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 CID 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.

5. PACKAGING

Preservation, packing, and marking shall be as specified in the contract or order (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 referenced documents

6.1.1 Government publications. Copies of A-A-52531 and MS53040 are available from the

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Standardization Order Desk, Defense Printing Service Detachment Office, 700 Robbins Avenue, Philadelphia, PA 19111-5094. Copies of “The Code of Federal Regulations (CFR)” may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

6.1.2 Non-Government publications. Copies of SAE document, HS-1086 “Metals and Alloys in the Unified Numbering System”, are available from the Society of Automotive Engineers, Inc. (SAE), 400 Commonwealth Drive, Warrendale, PA 15096. Copies of ANSI/ASME B46.1 “Surface Texture (Surface Roughness, Waviness, and Lay)” are available from The American National Standards Institute, 11 West 42nd Street, New York, NY 10036.

6.2 Ordering data. Acquisition documents must specify the following:

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

6.3 Associated fifth wheel kingpin. See CID A-A-52531 for associated fifth wheel kingpin used with this socket. See MS52105 and MS53034-1 for associated fifth wheels.

6.4 Cross-reference data. The socket conforming to this CID is interchangeable/substitutable with the socket conforming to MS53039-1.

6.5 International standardization agreement. Certain provisions of this specification (see 2.3) are the subject of international standardization agreement QSTAG 284 and NATO-STANAG 4009. When amendment, revision, or cancellation of this specification is proposed that will modify the international agreement concerned, the preparing activity will take appropriate action through international standardization channels, including departmental standardization offices, to change the agreement or make other appropriate accommodations.

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MILITARY INTERESTS:

Custodians

Army - AT

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

PREPARING ACTIVITY:

Army - AT

(Project 2510-0131)