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INCH POUND
A-A-59545
27 July 2001
SUPERSEDING
GGG-J-1564C
31 March 1992

COMMERCIAL ITEM DESCRIPTION

JACKS, DOLLY TYPE, HYDRAULIC, AUTOMOTIVE

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

1. SCOPE. This (CID) covers both manually operated and pneumatic assisted dolly type hydraulic jacks used for lifting automotive vehicles. These jacks are intended for use by the military and other government agencies for maintenance procedures on staff and tactical vehicles.

2. CLASSIFICATION. The hydraulic jacks covered by this CID are listed by type (minimum lifting capacity) and style (manual operation and pneumatic assisted) (see 7.3).

2.1 Types.

Type I - 2 US ton load capacity
Type II - 4 US ton load capacity
Type III - 10 US ton load capacity
Type IV - 20 US ton load capacity

2.2 Style.

Style A - Manual operation.
B - Pneumatic assisted.

3. SALIENT CHARACTERISTICS.

3.1 Load capacities and dimensions. Jacks furnished under this CID shall meet the load lifting capacities and dimensions of table I. Capacities and dimensions apply to both manual operated and pneumatic assisted hydraulic jacks.

Beneficial comments (recommendations, additions, deletions) and any pertinent data that may be of use in improving this document should be addressed to: Defense Logistics Agency, Defense Supply Center, Columbus (DSCC-VAI), P.O. Box 3990, Columbus, OH 43216-5000.

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TABLE I. Capacities and dimensions.

Jack Characteristics (dimensions in inches unless otherwise specified)	Types			
	I	II	III	IV
Load capacity US tons (minimum).	2	4	10	20
Saddle in lowest position (measured to the highest point on the saddle) (maximum).	5.50	5.50	6.50	8.50
Saddle in the highest position (measured to the lowest point in the saddle) (minimum).	19.00	21.00	21.00	21.00
Diameter of saddle (if shape is circular) (minimum).	6.00	6.50	6.50	6.50
Size of saddle (area if saddle is not circular) measured in square inches as seen from above (minimum).	28.27	33.18	33.18	33.18

3.2 Design. Jacks shall be new and shall meet all the requirements in this document and paragraphs 10-2.1 and 10-2.2 of ASME PALD (Safety Standard For Portable Automotive Lifting Devices). The standard referenced shall be the latest issue in effect. Pneumatic assisted jacks must be capable of operating throughout their full range and lifting the specified load without the use of a pneumatic source.

3.3 Overload capacity. Jacks shall meet the overload requirements of paragraph 10-2.3 of ASME PALD.

3.4 Saddle periphery load. Jacks shall meet the requirements of paragraph 10-2.4 of ASME PALD.

3.5 Safety markings and messages. Markings shall conform to section 10-3 of ASME PALD.

3.6 Maintainability. Maintenance and adjustment of the jack shall require a minimum of skills and be accomplished using common tools. Instructions for disassembly, repair, assembly and adjustment shall be clear and concise and included in a manual(s) supplied with each jack. Parts shall be clearly identified in an illustration that depicts part number, description, and quantity per assembly and reflects the relationship of an individual part to the complete assembly.

3.7 Portability. Jacks must be equipped with wheels and casters to permit easy movement and re-positioning of the jack on a hard level surface.

3.8 Materials. Materials used shall be in accordance with the manufacturer's specifications. When dissimilar metals are used in contact with each other, suitable protection against galvanic corrosion shall be applied.

3.9 Workmanship. The jacks shall be fabricated and finished using commercially acceptable workmanship standards.

3.10 Painting. Painting and finishing shall be in accordance with industry practice. Before painting, all surfaces shall be clean and free of foreign matter detrimental to painting.

3.11 Design Qualification. For each jack of a specific model, type or design sold to US government agencies, a jack representative of that specific model, type or design shall be tested and shall meet the design qualification testing requirements as specified in section 10-4 of ASME PALD. Following the Saddle Periphery Test specified in 10-4.1.4, and with the jack in an unloaded condition, the jack frame shall be inspected for any permanent deformation. Permanent deformation of the frame shall not result in a clearance between any wheel or caster and the floor

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equal to or greater than .125 inch. Any frame deformation found greater than specified above is cause for that jack design to be rejected and that specific jack design, type, or model not to be sold to US government agencies.

4. REGULATORY REQUIREMENTS. 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).

5. PRODUCT CONFORMANCE.

5.1 Product Conformance. The hydraulic jacks 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.

5.2 Market Acceptability. The hydraulic jacks offered must have been sold to the government or commercial market for a minimum of one year.

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

7. NOTES.

7.1 Part or Identification Number (PIN). The following part or identification numbering procedure is for government purposes and does not constitute a requirement for the contractor.

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Style: A - Manual operation
B - Pneumatic assisted

Type: I - 2 US ton load capacity
II - 4 US ton load capacity
III - 10 US ton load capacity
IV - 20 US ton capacity

CID number

7.2 Source of Documents.

7.2.1 A copy of the current version of ANSI/ASME PALD-1997 is available from the American National Standards Institute (ANSI), 11 W 42nd Street, New York, NY 10036.

7.2.2 The FAR may be obtained from the Superintendent of Documents, US Government Printing Office, Washington, D.C. 20402.

7.3 Ordering data. The contract or order should specify the following:

a. Number, title and date of this CID.

b. Type and Style required (see 2.1 and 2.2).

c. Quantity ordered by type.

d. Preservation, packing, and marking requirements (see 6).

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7.4 Key words.

Capacity
Hydraulic
Jack
Lifting
Manual
PALD
Pneumatic

MILITARY INTERESTS:

Custodians:
Army - AR
Navy -SH
Air Force –99
DLA - CC

Review activities:
Army - AT
Navy - SA

CIVIL AGENCY COORDINATING ACTIVITY:
GSA – FSS

Preparing activity:
DLA - CC

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