

[INCH-POUND]

A-A-59228

May 18, 1998

SUPERSEDING

GGG-T-2761

June 5, 1991

COMMERCIAL ITEM DESCRIPTION

TONGS, MATERIAL LIFTING, PIPE

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 two classes of metal tongs for lifting material such as cylindrical configured pipe, conduit, and other items with a cylindrical configuration.
2. **CLASSIFICATION.** The tongs covered by this CID shall be of the following classes and sizes as specified (see 7.2):

CLASSES

Class I - Cast aluminum.

Class II - Steel.

SIZES

Size 4 - For use with 4.5-inch (144.30 millimetre (mm)) outside diameter pipe.

Size 6 - For use with 6.62-inch (168.14 mm) outside diameter pipe.

Size 8 - For use with 8.62-inch (218.94 mm) outside diameter pipe.

Size 10 - For use with 10.75-inch (273.05 mm) outside diameter pipe.

Size 12 - For use with 12.75-inch (323.85 mm) outside diameter pipe.

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-59228

3. SALIENT CHARACTERISTICS.

3.1 Standard commercial product. The tongs shall, as a minimum be in accordance with this commercial item description and shall be the manufacturer's standard commercial product. Additional or better features which are not specifically prohibited by the commercial item description but which are a part of the manufacturer's standard commercial product, shall be included in the tongs 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.

3.2 Design and construction. Tongs shall be of the lever, double jaw, open caliper type with compound leverage grip. The jaws or liners shall grip the outside of the pipe at a point below the centerline of the pipe. The tongs shall be constructed to provide a nonmanual positive release from the pipe after the pipe is set down, and the hoisting line is slacked off. Tongs shall be of a configuration suitable for operation in a close side clearance for handling in a narrow trench. When specified (see 7.2), liners for tongs shall be provided for handling pipe of outside diameter as specified (see 7.2). The tongs shall comply with the requirements of ANSI/ASME B30.20.

3.2.1 Class I. Class I tongs shall be of heat-treated aluminum alloy as specified 3.6.2; and shackles, links, and rings shall be aluminum-alloy forging as specified in 3.6.3; or shackles shall be of cast-aluminum alloy as specified in 3.6.2.

3.2.2 Class II. Class II tongs shall be fabricated of steel plate as specified in 3.6.4, or cast steel as specified in 3.6.5; shackles, links, and rings shall be steel forgings as specified in 3.6.6; or shackles shall be steel castings as specified in 3.6.5. Fulcrum pins shall be brass as specified in 3.6.7.

3.3 Performance. The tongs shall be capable of lifting and holding a gross load of weighted pipe of not less than the following:

- Size 4 - 1, 250 pounds (lb) (566 kilogram (kg)).
- Size 6 - 1,800 lb (815 kg).
- Size 8 - 3,000 lb (1 359 kg).
- Size 10 - 4,000 lb (1 812 kg).
- Size 12 - 4,500 lb (2 039 kg).

The weighted pipe shall remain secure after being swung in an arc. The tongs shall be capable of releasing the weighted pipe after being set down by slacking off the lifting line without manual manipulation of the tongs.

3.4 Finish. Surfaces normally painted in good commercial practice shall be cleaned, treated, and painted. Unless otherwise specified (see 7.2), the color of the finish coat shall be the manufacturer's standard.

3.5 Marking for identification. Tongs shall be marked with the manufacturer's name or readily identifiable trademark.

A-A-59228

3.6 Workmanship. The quality of workmanship shall meet the standards prevalent among manufacturers who normally produce equipment of the type specified herein.

3.6.1 Forgings. Forgings shall be free from scale, enclosures, cold shuts, mismatching, and other similar defects that may affect the structural strength of the forgings involved.

3.6.2 Cast aluminum. Cast aluminum parts shall be aluminum-alloy castings, heat-treated, conforming to ASTM B 179. The alloy designation shall be that used by the manufacturer in regular commercial production of the parts.

3.6.3 Aluminum forging. Aluminum forging parts shall be aluminum-alloy casting, heat treated, conforming to ASTM B 247. The alloy designation shall be that used by the manufacturer in regular commercial production of the parts.

3.6.4 Steel. Steel plate, shapes, and bars shall conform to ASTM A 36/A 36M, ASTM A 242/A 242M, or ASTM A 572/A 572M, as applicable, and as standard with the manufacturer.

3.6.5 Steel castings. Steel castings shall conform to ASTM A 148/A 148M.

3.6.6 Steel forgings. Steel forgings shall conform to ASTM A 668.

3.6.7 Brass. Brass bar and pins shall conform to ASTM B 21, C46400.

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 Regulation (FAR). Unless otherwise specified herein, all equipment, material, and articles incorporated in the 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 SI-10 (IEEE/ASTM SI-10), and all other requirements of this commercial item description 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.

A-A-59228

5. QUALITY ASSURANCE PROVISIONS.

5.1 Product conformance. The products provided shall meet the salient characteristics of this commercial item description, 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 prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract..

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

7. NOTES.

7.1 Source of documents.

7.1.1 The Federal Acquisition Regulation (FAR) is available from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

7.1.2 ANSI Standards are available from the American National Standards Institute, Inc., 11 West 42nd Street, New York, NY 10036.

7.1.3 ASME Standards are available from the American Society of Mechanical Engineers, United Engineering Center, 345 East 47th Street, New York, NY 10017.

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

7.1.5 IEEE Standard is available from the Institute of Electrical and Electronics Engineers (IEEE), IEEE Service Center, 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855-1331.

7.2 Ordering data. Acquisition documents should specify the following:

- a. Title, number, and date of this CID.
- b. Class, and size of tongs required (see 2.).
- c. When liners for tongs are to be provided and size of pipe that liners are to be used on (see 3.2).
- d. Color of finish coat, if different (see 3.4).

7.3 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 are created as follows:

A-A-59228

AA59228 XXX

CID number _____

Size and class (see table I) _____

Table I. Size and class PIN.

Size	Class I	Class II
4	04A	04B
6	06A	06B
8	08A	08B
10	10A	10B
12	12A	12B

7.4 Classification cross reference. Classifications used in this CID (see 2.) are identical to those found in the superseded Federal Specification GGG-T-2761.

7.5 Supersession data. This CID replaces Federal Specification GGG-T-2761, dated June 5, 1991.

7.6 Metric products. The values states in either inch-pounds or SI units are to be regarded separately as standard. Within the text, the SI units are shown in brackets. The values stated in each system are not exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in non-conformance with standard.

7.7 Subject term (key word) listing.

Cylindrical conduit
Cylindrical pipe
Lifting device

MILITARY INTERESTS:

Custodians:

Navy - YD1
Air Force -99

Review Activities:

Navy - SH
Air Force - 84
DLA - GS

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

NASA - MSFC

Preparing Activity:

Navy - YD1

(Project 3940-0018)

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-59228

2. DOCUMENT DATE (YYMMDD)

980518

3. DOCUMENT TITLE

TONGS, MATERIAL LIFTING, PIPE

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

BERNADETTE ROSE

b. TELEPHONE *Include Area Code)*

(1) Commercial
 805-982-5464

(2) AUTOVON
 551-5464

c. ADDRESS *(Include Zip Code)*

COMMANDING OFFICER, NCBC CODE 15E2T
 1000 23RD AVENUE
 PORT HUENEME, CA 93043-4301

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

DEFENSE QUALITY AND STANDARDIZATION OFFICE
 5203 Leesburg Pike, Suite 1403, Falls Church, VA 22401-3466
 Telephone (703) 756-2340 AUTOVON 289-2340