

INCH-POUND

GGG-C-2794A
29 March 2013
SUPERSEDING
GGG-C-2794
10 April 1992

FEDERAL SPECIFICATION

CUPS, OIL, LUBRICATING, AND OILERS, SELF-FEEDING, GENERAL SPECIFICATION FOR

Inactive for new design after 29 December 2000.

This General Services Administration has authorized the use of this federal specification, by all federal agencies.

1. SCOPE AND CLASSIFICATION

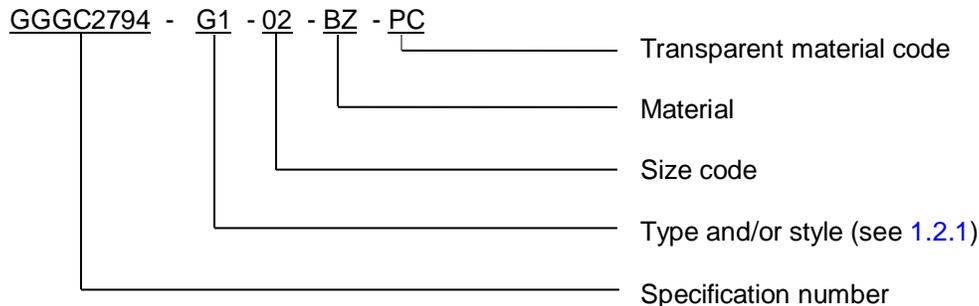
1.1 Scope. This specification covers oil cups used for lubricating wearing parts of mechanical equipment.

1.2 Classification.

1.2.1 Types and styles. Oil cups are of the following types and styles, as applicable, as specified (see 6.2 and 6.5):

- Type A – Screw cap (see GGG-C-2794/1)
- Type B – Spring cap (see GGG-C-2794/2)
- Type C – Cylindrical slotted cap (see GGG-C-2794/3)
- Type D – Hinged cap (see GGG-C-2794/4)
- Type F – With sight feed (see GGG-C-2794/5)
- Type G – Ball valve (drive), straight (see GGG-C-2794/6)
 - Style 1 – With flange
 - Style 2 – Without flange
- Type H – Small elbow (see GGG-C-2794/7)

1.3 Part or Identifying Number (PIN). The PIN consists of the specification identifier (GGGC2794), the classification type and style (see 1.2), and from the applicable table (see specification sheet), the size code number, the body material code, and the transparent material code (reservoir and sight window).



Comments, suggestions, or questions on this document should be addressed to: DLA Land and Maritime, Attn: VAI, P.O. Box 3990, Columbus, Ohio, 43218-3990 or emailed to FluidFlow@dla.mil. Since contact information can change, you may want to verify the currency of this address information using ASSIST Online Database at <https://assist.dla.mil>.

Examples:

Type F, 10 ounce size, body material of brass, sight window, and reservoir of polycarbonate:
GGGC2794-F-06-BR-PC

Type G, style 1, size 2, body material of bronze: GGGC2794-G1-02-BZ

2. APPLICABLE DOCUMENTS

2.1 Government publications. The following documents, of the issues in effect on the date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

FEDERAL SPECIFICATIONS

- GGG-C-2794/1 - Cups, Oil, Lubricating And Oilers, Self Feeding, Type A Screw Cap
- GGG-C-2794/2 - Cups, Oil, Lubricating And Oilers, Self Feeding, Type B Spring Cap
- GGG-C-2794/3 - Cups, Oil, Lubricating And Oilers, Self Feeding, Cylindrical, Slotted Cap
- GGG-C-2794/4 - Cups, Oil, Lubricating And Oilers, Self Feeding, Hinged Cap
- GGG-C-2794/5 - Cups, Oil, Lubricating And Oilers, Self Feeding, With Sight Feed
- GGG-C-2794/6 - Cups, Oil, Lubricating And Oilers, Self Feeding, Ball Valve, Straight or Shoulder
- GGG-C-2794/7 - Cups, Oil, Lubricating And Oilers, Self Feeding, Small Elbow

FEDERAL STANDARDS

- FED-STD-H28/7 – Screw-Thread Standards for Federal Services Section 7 Pipe Threads – General Purpose

MILITARY STANDARDS

- MIL-STD-1916 – DoD Preferred Methods for Acceptance of Product

(Copies of these documents are available online at <https://assist.dla.mil/quicksearch/> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

2.2 Other publications. The following document(s) form a part of this specification to the extent specified herein. Unless a specific issue is identified, the issue in effect on date of invitation for bids or request for proposal shall apply.

ASTM INTERNATIONAL

- ASTM B 633 – Electrodeposited Coatings of Zinc on Iron and Steel

(Copies of these documents are available online at <http://www.astm.org> or from the ASTM International, P.O. Box C700, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.)

2.3 Order of precedence. Unless otherwise noted herein or in the contract, in the event of a conflict between the text of this document and the references cited herein (except for related specification sheets), the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specified exemption has been obtained.

3. REQUIREMENTS

3.1 Specification sheets. The individual item requirements shall be as specified herein and in accordance with the applicable specification sheet. In the event of any conflict between the requirements of this specification and the specification sheet, the latter shall govern.

3.2 Materials. Materials used shall be free from defects which would adversely affect the performance or maintainability of individual components or of the overall assembly. Materials not specified herein shall be of the same quality used for the intended purpose in commercial practice. Unless otherwise specified herein, all equipment, material, and articles incorporated in the work covered by this specification are to be new and fabricated using materials produced from recovered materials to the maximum extent possible without jeopardizing the intended use.

3.2.1 Recycled, recovered, or environmentally preferable materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible, provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs.

3.2.2 Body. Body shall be of aluminum, bronze, brass, copper alloy, steel, or optional material, as specified (see 6.2).

3.2.3 Transparent reservoirs and sight windows. Transparent reservoirs and sight windows shall be borosilicate glass for high temperatures (225 degrees Fahrenheit (°F)) and medium shock; acrylic for medium temperatures (160°F) and high shock; or polycarbonate for high temperatures (225°F) and high shock resistance (such as required on an 8-inch gun mount), as specified (see 6.2).

3.2.4 Springs. Springs shall be made from music wire or stainless steel spring wire. Springs shall not develop permanent set after having been compressed or bent to extreme working limits.

3.3 Finish. The outside surfaces shall be smooth finished. Unless otherwise specified (see 6.2), steel parts other than stainless steel shall be zinc coated in accordance with ASTM B 633 to resist corrosion.

3.4 Threads. Threads shall conform to FED-STD-H28/7, American Standard taper pipe threads for general use (National Pipe Thread (NPT)).

3.5 Hexagons. A hexagonal section of proper size to fit a standard open-end wrench shall be provided on the shanks of all types, except types C and G.

3.6 Leakage. The cups shall be so constructed as to prevent leakage of oil, when tested in accordance with 4.4.

3.7 Capacity. When capacity of oil cups is specified herein, the actual capacity shall vary not more than ± 10 percent from the indicated capacity.

3.8 Workmanship. Oil cups shall be manufactured in accordance with this specification, pertinent standards, and best commercial practice. Oil cups shall be free of dirt, oil, or any foreign matter, except the material used for preservation. The component parts of the oil cups shall have no pits, rust, loose scale, chips, scraps, splits, cracks, burrs, or other defects that would affect or prevent proper operation.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the government.

The government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure that supplies and services conform to prescribed requirements.

4.2 Classification of inspections. The inspection requirements specified herein shall be classified as conformance inspections (see 4.5).

4.3 Component and material inspection. Components and materials shall be inspected in accordance with all the requirements specified herein and in applicable referenced documents.

4.4 Sampling. Sampling and inspection procedures shall be in accordance with MIL-STD-1916. All units of the same type and size offered for delivery at one time shall be considered a lot for the purpose of inspection. If an inspection lot is rejected, the contractor may rework it to correct the defects, or screen out the defective units, and resubmit for a complete reinspection. Resubmitted lots shall be inspected using tightened inspection. Such lots shall be separate from new lots, and shall be clearly identified as reinspected lots. Guidance for inspection level and Acceptable Quality Level (AQL) is provided in 6.4.

4.5 Examination. Each sample, selected in accordance with 4.4, shall be examined for compliance with the requirements specified in section 3 of this document. Any redesign or modification of the contractor's standard product to comply with specified requirements, or any necessary redesign or modification following failure to meet specified requirements shall receive particular attention for adequacy and suitability. This element of inspection shall encompass all visual examinations and dimensional measurements. Noncompliance with any specified requirement or presence of one or more defects preventing or lessening maximum efficiency shall constitute cause for rejection.

4.5.1 Oil capacity. Capacity shall be described in specification sheet, as applicable.

4.6 Functional test. Each of the sample oil cups selected in accordance with 4.4 shall be serviced and filled with oil. The oil cups shall then be examined for proper operation and oil leakage.

4.7 Preparation for delivery inspection. The preservation, packaging, packing, and marking of the item shall be inspected to verify conformance to the requirements of section 5.

5. PACKAGING

5.1 Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When packaging of materiel is to be performed by DoD or in-house contract personnel, these personnel need to contact the responsible packaging activity to ascertain requisite packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activities within the Military Service or Defense Agency, or within the military service's system commands. Packaging data retrieval is available from the managing Military Department's or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity.

6. NOTES

INFORMATION FOR GUIDANCE ONLY. (This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Intended use. The intended use of each class and type is described in the corresponding specification sheet.

6.2 Acquisition requirements. Acquisition documents should specify the following:

- a. Title, number, and date of this specification.
- b. Type and style, if applicable, required (see 1.2).

- c. Body material required (see 3.2.1).
- d. Reservoir and sight window material required (see 3.2.2).
- e. Coating required, if different (see 3.3).
- f. Capacities and dimensions required (see corresponding specification sheet).
- g. Level of preservation and packaging, and level of packing required (see 5.1).

6.3 Data requirements. When this specification is used in an acquisition and data are required to be delivered, the data requirements shall be developed as specified by an approved Data Item Description (DD Form 1664) and delivered in accordance with the approved Contract Data Requirements List (CDRL), incorporated into the contract. When the provisions of DoD Federal Acquisition Regulations (FAR) Supplement, Part 27, Sub-Part 27.475-1 (DD Form 1423) are invoked and the DD Form 1423 is not used, the data should be delivered by the contractor in accordance with the contract or purchase order requirements.

6.4 Sampling procedures.

6.4.1 Sampling for examination. Recommended inspection level is II and AQL is 4.0 (see 4.3).

6.4.2 Sampling for tests. Recommended inspection level is S-3 and AQL is 2.5 (see 4.3).

6.5 Cross reference. The cross reference of types, styles, and sizes of this document to the superseded MIL-C-1258D and MIL-C-1258C is as follows:

<u>MIL-C-1258C</u>	<u>MIL-C-1258D</u>	<u>GGG-C-2794</u>
Type A – Screw cap Size 0.2 oz. Size 0.3 oz. Size 0.5 oz. Size 0.8 oz.	Type A – Screw cap Size code – 01 Deleted Size code – 02 Deleted	Type A – Screw cap Size code – 01 None Size code – 02 None
Type B – Spring cap Size – 1/8 NPT Size – 1/4 NPT Size – 3/8 NPT	Type B – Spring cap Size code – 01 Deleted Deleted	Type B – Spring cap Size code – 01 None None
Type C – Cylindrical slotted cap Size – 1/8 NPT Size – 1/4 NPT	Type C – Cylindrical slotted cap Size code – 01 Deleted	Type C – Cylindrical slotted cap Size code – 01 Size code – 02
Type D – Hinged cap Size 0.8 oz. Size 1.25 oz. Size 1.75 oz. Size 2.5 oz. Size 3.5 oz.	Type D – Hinged cap Size code – 02 Size code – 03 Deleted Deleted Size code – 04	Type D – Hinged cap Size code – 02 Size code – 03 None None Size code – 04
Type E – Glass body	Deleted	None
Type F – Sight feed Size 1 oz. Size 1-1/2 oz. Size 2-1/2 oz. Size 5 oz. Size 10 oz.	Type F – Sight feed Size code – 02 Size code – 03 Size code – 04 Size code – 05 Size code – 06	Type F – Sight feed Size code – 02 Size code – 03 Size code – 04 Size code – 05 Size code – 06

<u>MIL-C-1258C</u>	<u>MIL-C-1258D</u>	<u>GGG-C-2794</u>
Type G – Ball valve Size 1 Size 2 None Size 3 Size 4 None None	Type G – Ball valve Size code – 01 Size code – 02 Size code – 03 Size code – 04 Size code – 05 Style A Style B	Type G – Ball valve Size code – 01 Size code – 02 Size code – 03 Size code – 04 Size code – 05 Style 1 Style 2
Type H – Small elbow Size 10 – 32 Size 1/4 – 32 Size 5/16 – 32 Size 1/8 pipe Size 3/8 – 24	Type H – Small elbow Size code – 01 Size code – 02 Size code – 03 Size code – 04 Size code – 05	Type H – Small elbow Size code – 01 Size code – 02 Size code – 03 Size code – 04 Size code – 05

6.6 Subject term (key word) listing.

Hose
Pipe
Tube

6.7 Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue, due to the extent of the changes.

MILITARY INTERESTS:

Custodians:

Army – AT
Navy – SH
Air Force – 99
DLA-CC

Review activities:

Army- AR
Navy – AS, MC, SA
Air Force – 71

CIVIL AGENCY COORDINATING ACTIVITY:

Preparing activity:
DLA-CC

(Project 4730-2012-114)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online data at <https://assist.dla.mil>.