

[INCH-POUND]
A-A-59440/7
13 August 1999
SUPERSEDING
MS35934B
30 March 1973

COMMERCIAL ITEM DESCRIPTION SPECIFICATION SHEET

COCK, SHUT-OFF, SCREW STEM, THREADED TYPE, 150 P.S.I.

The General Services Administration has authorized the use of this Commercial Item Description Specification Sheet for all federal agencies.

The complete requirements for procuring the cocks described herein shall consist of this document and the latest issue in effect of A-A-59440.

1. **SCOPE.** This commercial item description specification sheet covers the requirements for cocks, shut-off, screw stem, threaded type, 150 PSIG in nominal sizes of 1/8 inch through 1/4 inch NPTF.
2. **CLASSIFICATION.** The characteristics of the cocks are contained in the schematics and charts found herein. The charts list the dash numbers that are included in the Part Identification Number (PIN) for the various styles of cocks.
3. **SALIENT CHARACTERISTICS.**
 - 3.1 General. All cocks shall meet the requirements of Commercial Item Description A-A-59440, and the requirements herein with respect to their individual illustrations, tables, and notes unless otherwise specified by the contract or order.
 - 3.2 Plugs and Stems. Plugs and stems shall be made of the materials annotated herein unless otherwise stated in the contract or order.
 - 3.3 Size. The tables specified herein list the permissible variation in dimensions for each individual illustration. The external dimensions of the cocks should not limit procurement unless the end applications restrict these dimensions. Aside from the external dimensions of the cocks, all other requirements shall remain in effect unless otherwise stated in the contract or order.
4. **REGULATORY REQUIREMENTS.**
 - 4.1 Recycled/Recovered 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).

Beneficial Comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to: Defense Supply Center, Columbus, ATTN: DSCC-VAI, 3990 East Broad Street, Columbus, OH 43216-5000, or telephone (614) 692-0538.

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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.

6. PACKAGING.

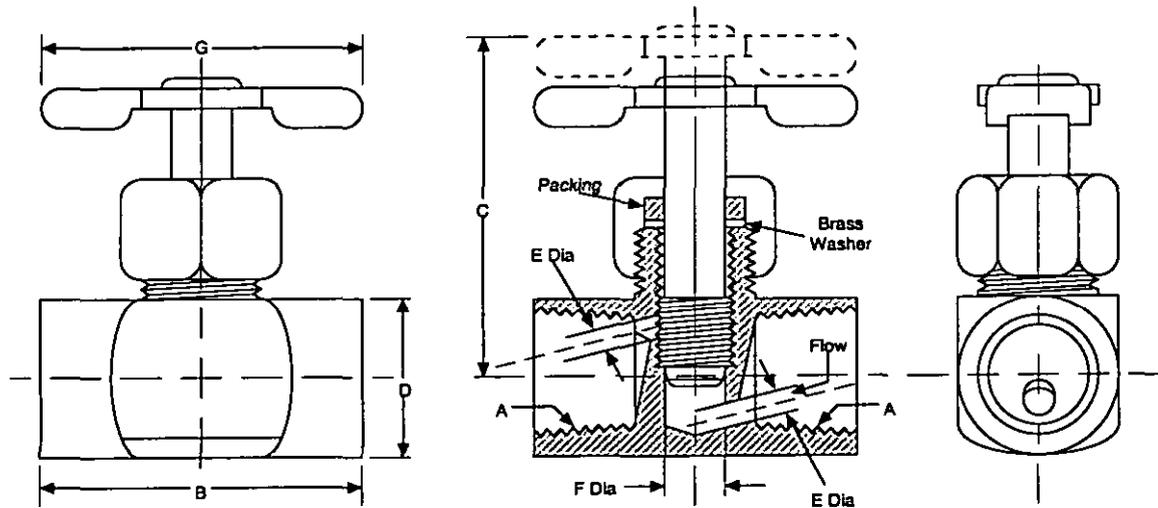
6.1 Preservation, Packing, and Marking. Preservation, packing, and marking shall be specified in the contract or order.

7. NOTES.

7.1 Part Identification Number (PIN). The PIN consists of the CID specification sheet number and the corresponding dash number given in this CID specification sheet for the particular type of cock required. Example: AA59440/7-030.

7.2 Ordering Data. Ordering data shall be as specified in A-A-59440.

**Cock, Shut-Off, Screw Stem, Threaded Type
150 psig WOG* at 150° F**



Dash No.	A Pipe Thread NPTF	B Max	C Open Max	D Min	E Hole Diameter Min	F Hole Diameter Min	G Max
030	1/8 - 27	1.13	1.03	.50	.18	.19	1.39
031	1/4 - 18	1.62	1.27	.69	.18	.19	1.39

Notes:

1. **Material:** Brass conforming to Non-Government Standards (NGS) ASTM-B121, ASTM-B38, ASTM-B18, ASTM-B16M and ASTM-B124, Alloy Numbers 268, 360, B5, or Alloys covered under NGSs ASTM- B22, B30, B61, B62, B66, B67, B148, B176, B271, B369, B427, B505, B584, B763, B770, B806, and SAE-AMS4842, AMS4845, AMS4855, AMS4860, AMS4862, AMS4890. Handle may be steel conforming to NGSs ASTM-A569, A570, A621, A366, A611, A619, A620, A569, A570, A621, A109, A568.
2. **Protective Coating:** Brass, none.
Steel, Plating conforming to ASTM-B633 or other corrosion resisting, non-toxic material.
3. **Threads:** Threads shall be in accordance with NGSs ANSI B1.20.3 and ANSI B1.20.5.
4. **Dimensions:** Unless otherwise specified all dimensions are in inches.
5. **Test Pressures:** Shell 150 psig, Seat 50 psig
6. Reference documents shall be of the issue in effect on date of invitations for bid.
7. Flow of liquid should be toward the valve seat, not toward the stem threads.
8. This item is for use in liquid or gas systems where the pressure does not exceed 150 psig WOG at 150° F and the liquid or gas is compatible with brass.
9. The illustration is for identification purposes only and is not intended to restrict designs or shapes not dimensioned.

* Water, oil, and gas.

Figure 1. Cock, Shut-Off, Screw Stem, Threaded Type.

Table I
 NSN/MS PART NUMBER/CID PIN EXTENSION/COMMERCIAL PART NUMBER TRACKING RECORD

COMPANY				Parker-Hannifin Corp.	Dayco Eastman Products	Anderson Brass Co.	Dana Corp.	Lukenheimer Co.
CAGE CODE				93061	30327	70411	79470	37239
NSN	MS SHEET	SPEC. SHEET	CID PIN EXT					
4820-00-541-3541	MS35934-1	A-A-59440/7	030	NV109P-2	394-C-02	V1B2-J	131-56800	1178 1/8
4820-00-865-6946	MS35934-2	A-A-59440/7	031	NV109P-4	394-C-04	V1B2-L	131-56805	1178 1/4

MILITARY INTERESTS:

Custodians:

- Army - AR
- Navy - SH
- Air Force - 99
- DLA - CC

Review activities:

- Army - CR4, GL, MI
- NAVY - MC

CIVIL AGENCIES AND COORDINATING ACTIVITIES:

GSA – FSS

Preparing activity:

DLA – CC

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