

[INCH-POUND]
A-A-59440/5
13 August 1999
SUPERSEDING
MS35787B
30 March 1973

COMMERCIAL ITEM DESCRIPTION SPECIFICATION SHEET

COCK, DRAIN, GROUND KEY, BIB NOZZLE 150 P.S.I. STEAM PRESSURE

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, drain, ground key, bib nozzle, 150 PSIG in nominal sizes of 1/8 inch through 1 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.

FSC 4820

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.

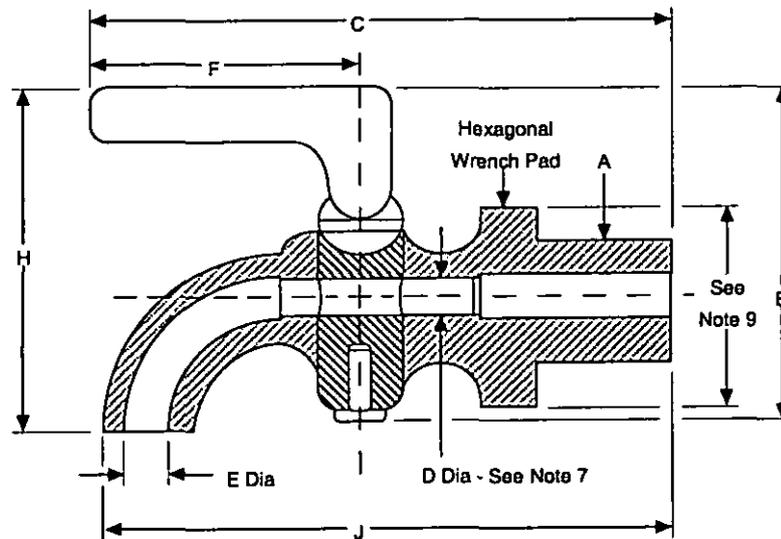
6.1 Preservation, Packing, and Marking. Preservation, packing, and marking shall be specified in the contract or order.

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: AA59440/5-021.

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

**Cock, Drain, Ground Key, Bib Nozzle,
150 psig steam at 351° F**



Dash No.	A Pipe Thread NPTF	B Max	C Max	D Dia Min	E Dia Min	F Max	H Max	J Max
021	1/8 - 27	1.81	2.75	.14	.19	1.38	1.81	2.50
022	1/4 - 18	1.81	2.75	.16	.22	1.38	1.81	2.50
023	3/8 - 18	2.94	4.09	.25	.28	2.25	2.91	3.44
024	1/2 - 14	3.38	4.38	.31	.34	2.28	3.53	3.81
025	3/4 - 14	3.80	4.81	.62	.56	2.50	3.94	4.50
026	1 - 11-1/2	4.56	6.31	.97	.94	3.44	4.75	5.62

Notes:

- Material:** Brass conforming to Non-Government Standards (NGS) ASTM-B121, ASTM-B36, ASTM-B16, 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.
- Protective Coating:** None.
- Threads:** Threads shall be in accordance with NGSs ANSI B1.20.3 and ANSI B1.20.5.
- Dimensions:** Unless otherwise specified all dimensions are in inches.
- Test Pressures:** Shell 300 psig, Seat 150 psig
- Reference documents shall be of the issue in effect on date of invitations for bid.
- Trapezoidal or oval port - having same cross sectional area is acceptable.
- This item is for use in liquid or gas systems where the pressure does not exceed 150 psig steam at 351° F and the liquid or gas is compatible with brass.
- Measurement across flats of Hexagonal Wrench Pad shall be a standard measurement under 1.5 inches.
- The illustration is identification purposes only and is not intended to restrict designs or shapes not dimensioned.

Figure 1. Cock, Drain, Ground Key, Bib Nozzle.

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

COMPANY				Essex Brass Co.	Conbraco Industries Inc.	Lukenheim r Co.	Legend Valve and Fitting Inc.
CAGE CODE				20969	72219	37239	1BXJ2
NSN	MS SHEET	SPEC. SHEET	CID PIN EXT				
4820-00-272-3332	MS35787-1	A-A-59440/5	021	SC29-L	41-290-04	479 1/8	
4820-01-193-0255 4820-01-422-2608	MS35787-2	A-A-59440/5	022	SC30-L	41-300-04	479 1/4	
	MS35787-3	A-A-59440/5	023				
4820-00-272-3335	MS35787-4	A-A-59440/5	024	SC32-L	41-320-04		107-173
	MS35787-5	A-A-59440/5	025				
	MS35787-6	A-A-59440/5	026				

MILITARY INTERESTS:

Custodians:

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

Review activities:

Army - GL, MI
 NAVY - MC, MS

CIVIL AGENCIES AND COORDINATING ACTIVITIES:

GSA – FSS

Preparing activity:

DLA – CC

(Project 4820-0778-15)