

INCH POUNDS

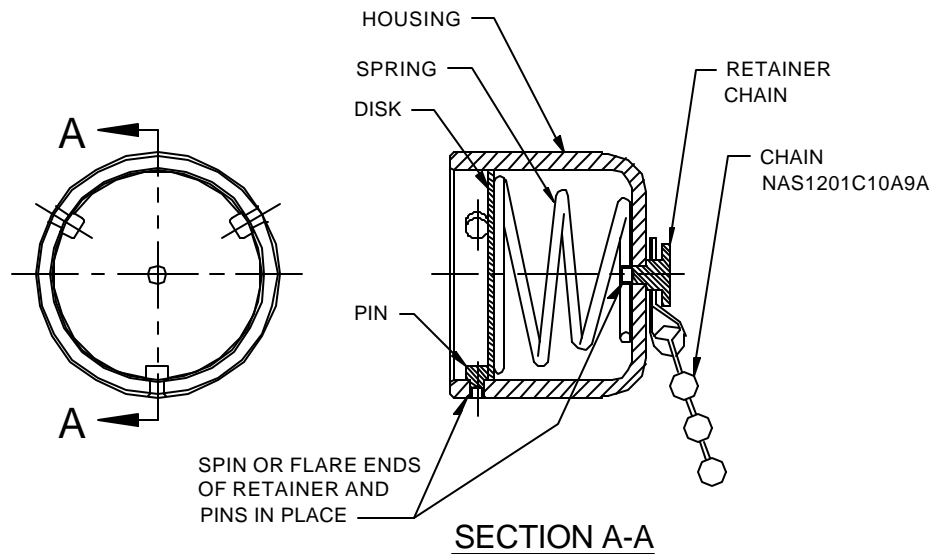
MS27566H
15 November 2000
 SUPERSEDING
 MS27566G
 07 July 2000

DETAILED SPECIFICATION SHEET

CAP ASSEMBLY, LIQUID OXYGEN FILL VALVE

This document remains Inactive for New Design

This specification is approved for use by all Departments and Agencies of the Department of Defense.



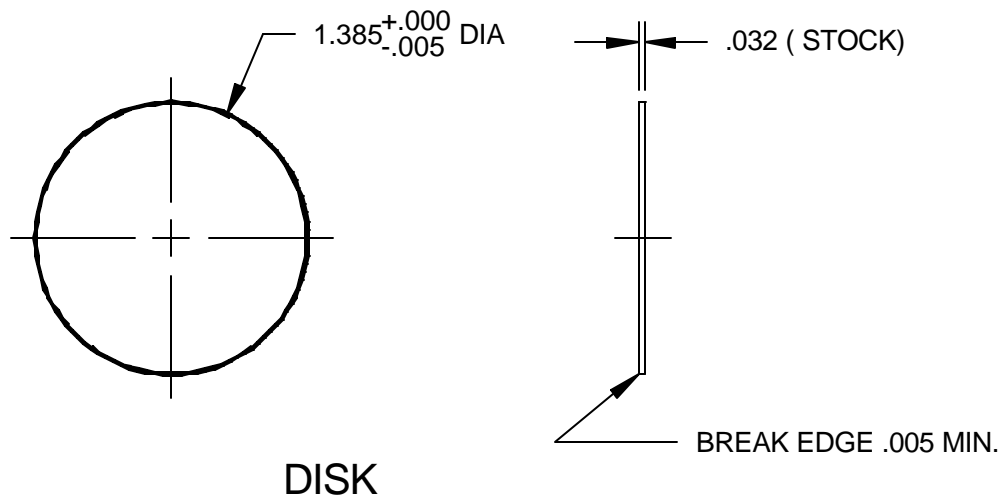
CAP ASSEMBLY MS27566-1

MARKING SHALL BE IN ACCORDANCE WITH MIL-STD-130.

REMOVE BURRS AND BREAK SHARP EDGES .005 MAX.

DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCE ON DECIMALS $\pm .010$

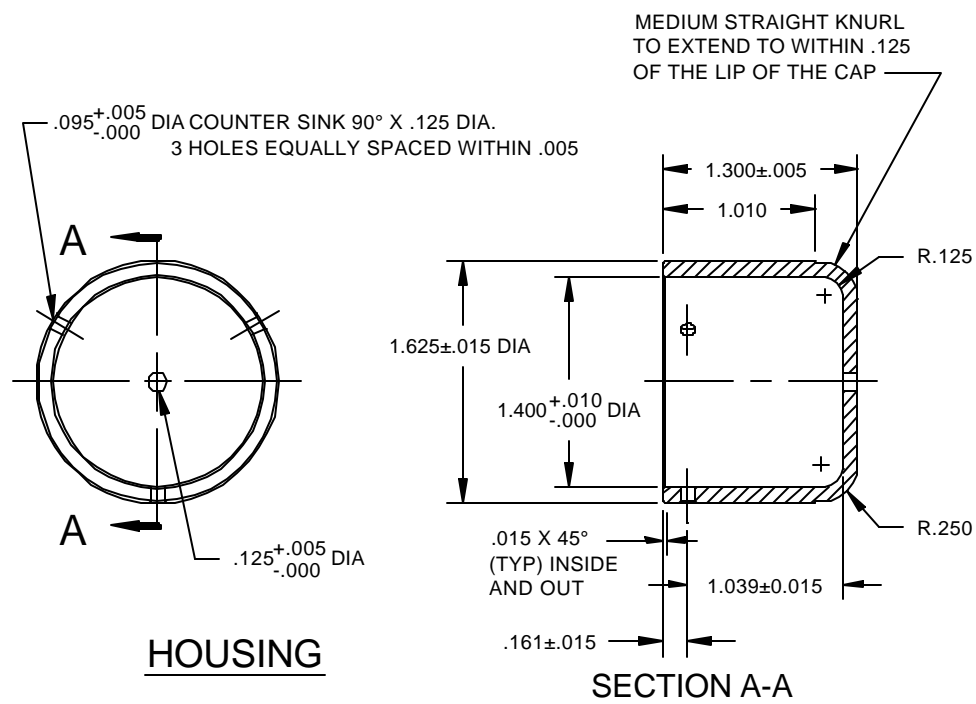
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MATERIAL: SAE UNIFIED NUMBERING SYSTEM, S30200, PASSIVATE PER MIL-S-5002.

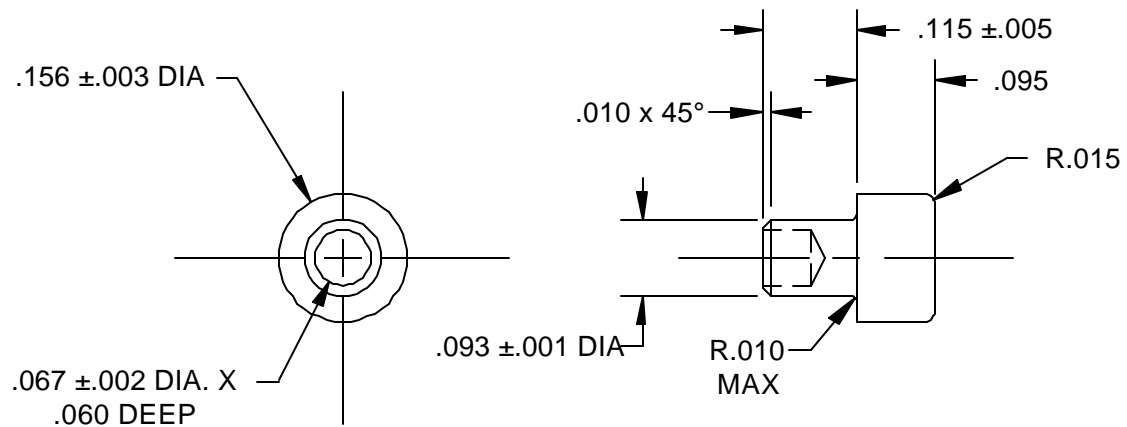
ALTERNATE MATERIAL: S30400.

ALL SURFACES TO BE 32/ MIN. PER ANSI B46.1



MATERIAL: ASTM B211: ALLOY 2024-T4 OR T351 TEMPER
ANODIZE PER MIL-A-8625, TYPE II, CLASS 2, COLOR BLACK
1.625 DIA. NOMINAL APPLIES BEFORE KNURLING
FINISH: ALL SURFACES 32/ MIN. PER ANSI B46.1

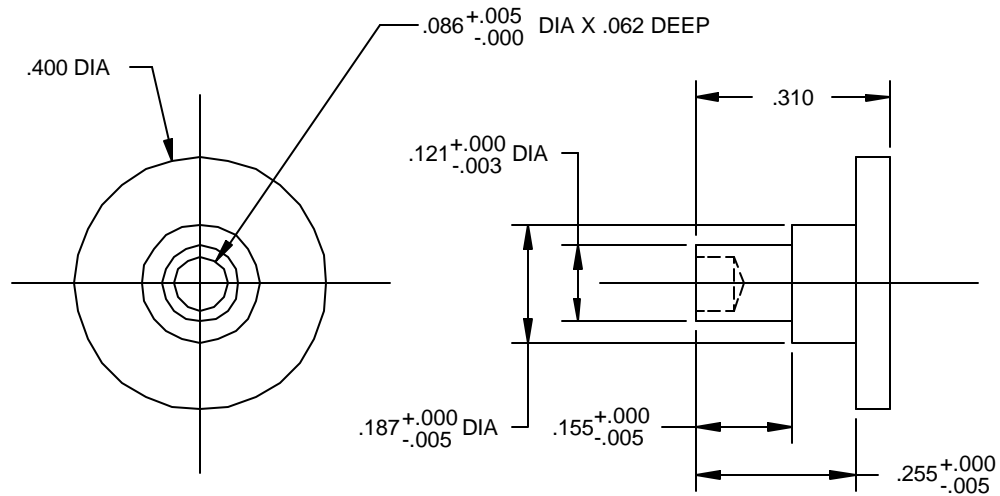
MS27566H



PIN

MATERIAL: S30300 PASSIVATE PER MIL-S-5002

FINISH: 32 / ALL OVER PER ANSI B46.1



RETAINER-CHAIN

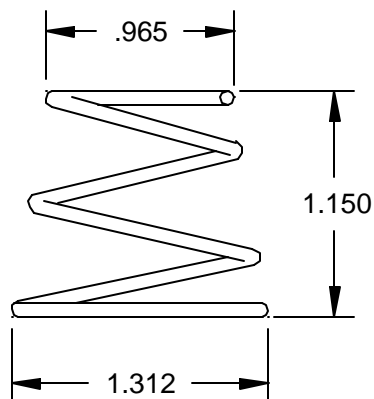
MATERIAL: ASTM B209: ALLOY 6061-T4 OR T6

ALTERNATE MATERIAL: ASTM B209: ALLOY 2024-T351

ANODIZE PER MIL-A-8625, TYPE II, CLASS 2, COLOR BLACK

FINISH: 32 / MIN. ALL OVER PER ANSI B46.1

MS27566H



SPRING

MATERIAL: S30200 DIA. OPTIONAL, .058 \pm .002 RECOMMENDED, PASSIVATE PER MIL-S-5002.
TOTAL COILS: 3
TOTAL COMPRESSED HEIGHT: .058 NOMINAL
SPRING RATE: 10.3 LBS./IN. TO SUPPORT 7 LBS. @ .300 HEIGHT.
END TO BE SQUARED.

Custodian:
Air Force – 99
Navy – AS

Review activity:
Air Force – 11

Preparing activity:
Air Force – 71

Agent activity:
Air Force – 99

(Project: 1660-0819)

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, and send to preparing activity.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

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I RECOMMEND A CHANGE:

1. DOCUMENT NUMBER
MS27566G

2. DOCUMENT DATE (YYYYMMDD)
20001115

3. DOCUMENT TITLE
CAP ASSEMBLY, LIQUID OXYGEN FILL VALVE

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) DSN
(If applicable)

7. DATE SUBMITTED
(YYYYMMDD)

8. PREPARING ACTIVITY

a. NAME
DENISE A. SIKES

b. TELEPHONE (Include Area Code)
(1) Commercial (405)736-2785 (2) DSN 336-2785

c. ADDRESS (Include ZIP Code)
OC-ALC/TICLA
3001 Staff Drive, Tinker AFB, OK 73145-5990

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