

INCH POUNDS

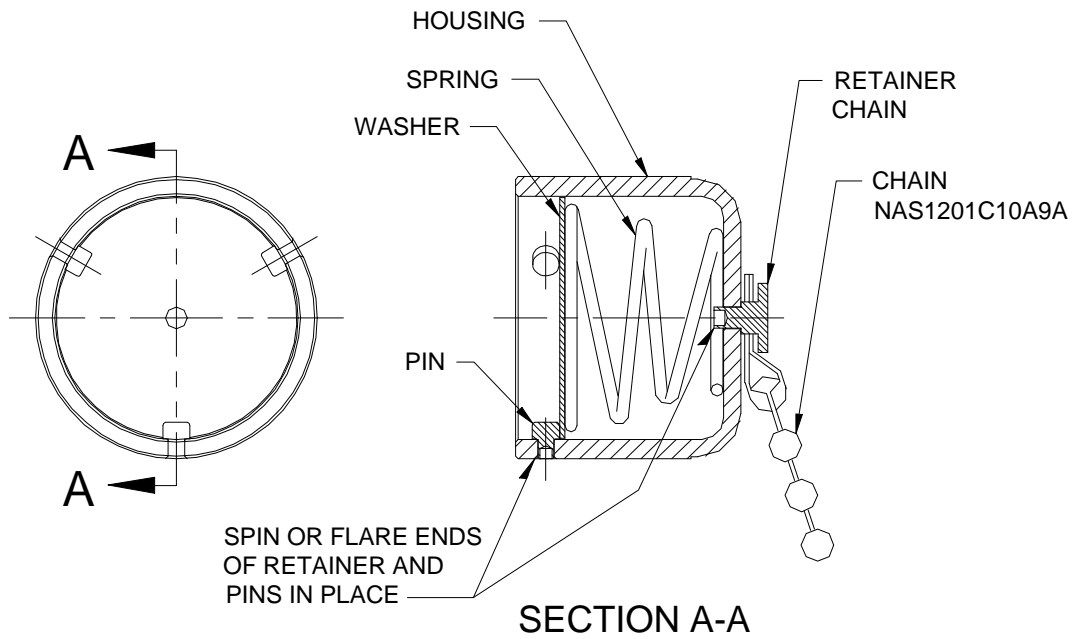
MS27566G
 07 July 2000
 SUPERSEDING
 MS27566F
 30 March 1981

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.



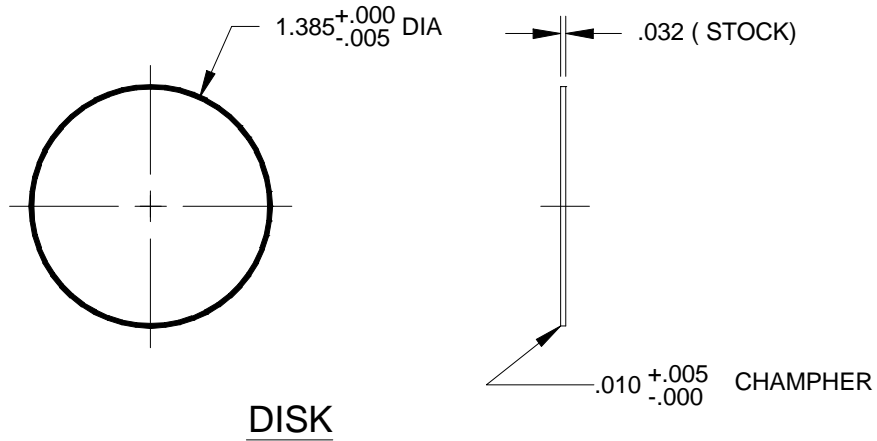
CAP ASSEMBLY
MS27566-1

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

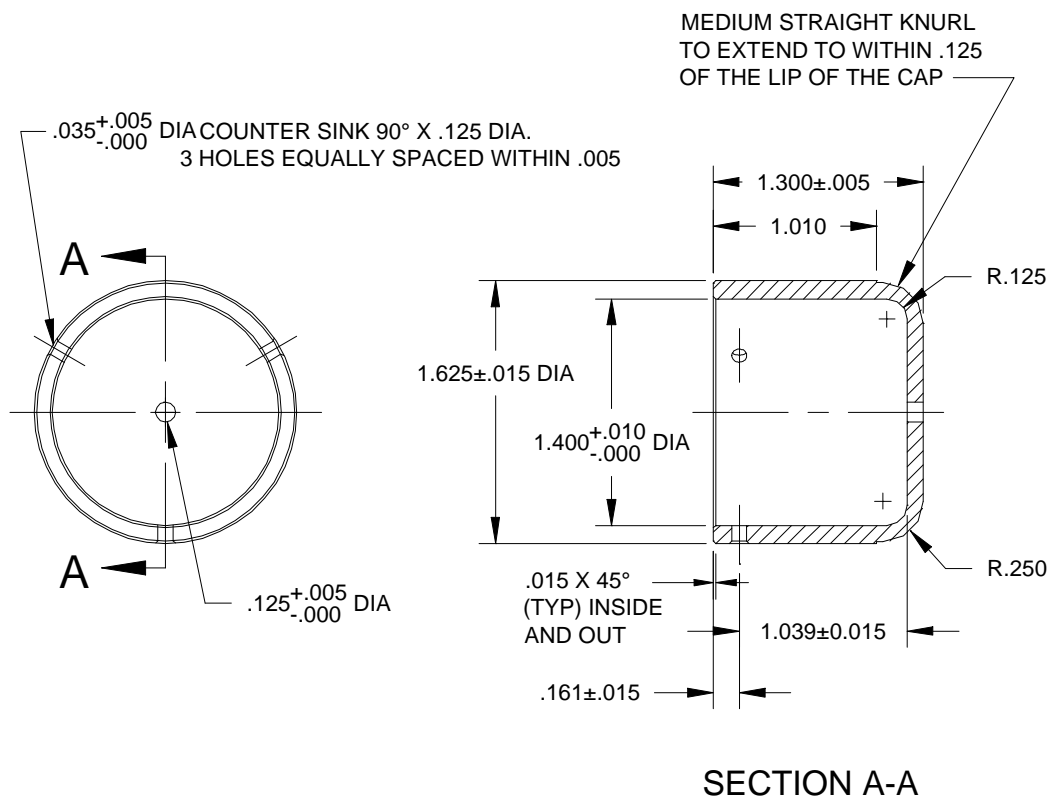
REMOVE BURRS AND BREAK SHARP EDGES 0.005 MAX.

DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCE ON DECIMALS ± 0.010

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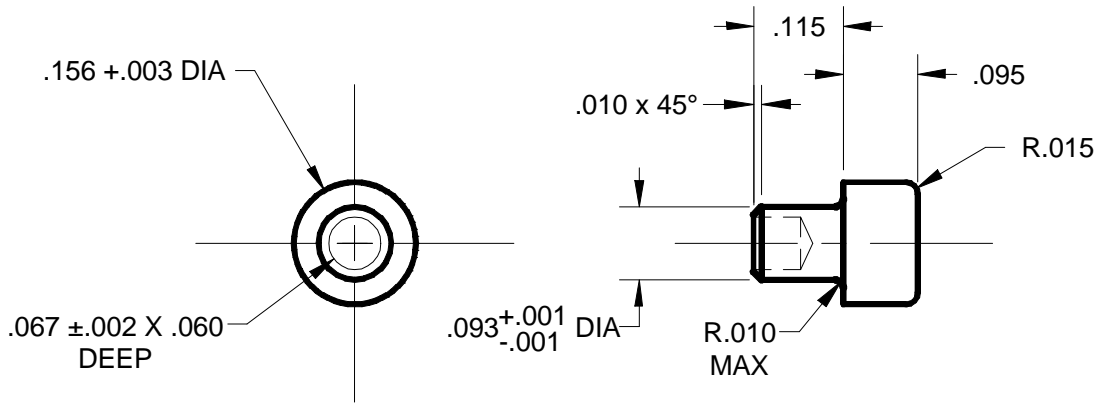


MATERIAL: SAE UNIFIED NUMBERING SYSTEM, S30200, PASSIVATE PER MIL-S-5002.
 ALTERNATE MATERIAL: S30400.
 ALL SURFACES TO BE 32/ PER ANSI B46.1



MATERIAL: ASTM B209: ALLOY 6061-T4 OR T6 TEMPER
 ALTERNATE MATERIAL: ASTM B209: ALLOY 2024-T3 OR T4 TEMPER
 ANODIZE PER MIL-A-8625, TYPE II, CLASS 2, COLOR BLACK
 FINISH: ALL SURFACES 125/ PER ANSI B46.1

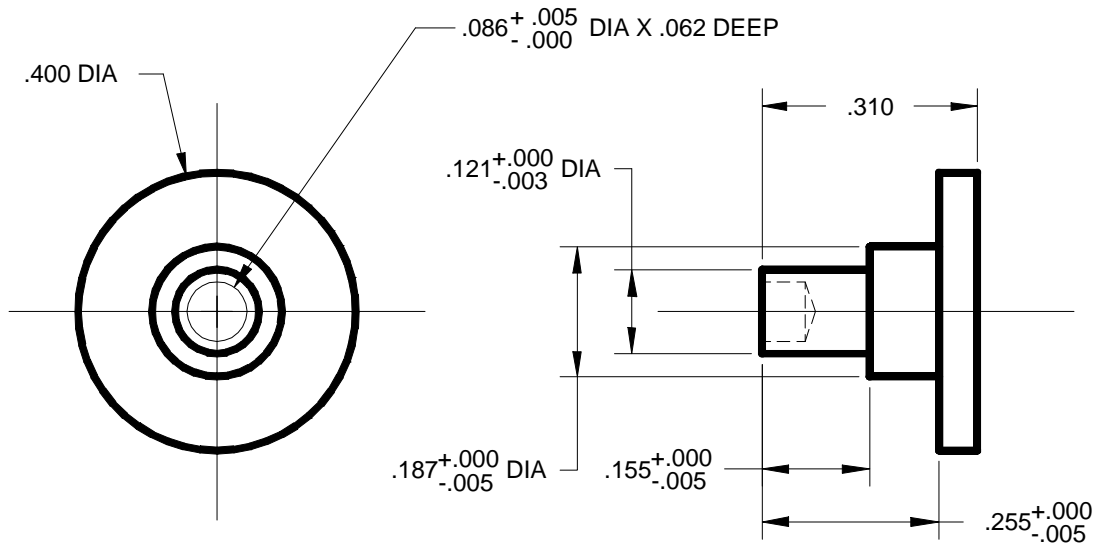
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PIN

MATERIAL: S30300 PASSIVATE PER MIL-S-5002
 FINISH: 125/ ALL OVER PER ANSI B46.1

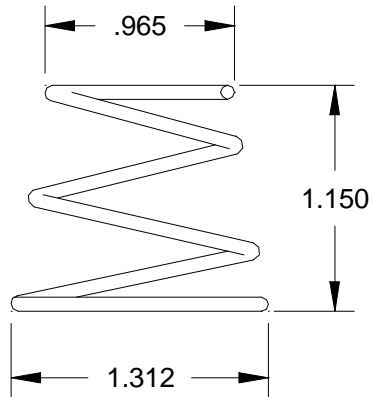
3 EACH REQUIRED



RETAINER-CHAIN

MATERIAL: ASTM B209: ALLOY 6061-T4 OR T6
 ALTERNATE MATERIAL: ASTM B209: ALLOY 2024-T3 OR T4
 ANODIZE PER MIL-A-8625, TYPE II, CLASS 2, COLOR BLACK
 FINISH: 125/ ALL OVER PER ANSI B46.1

MS27566G



SPRING

MATERIAL: S30200 DIA. OPTIONAL, .058 ±.002 RECOMMENDED, PASSIVATE PER MIL-S-5002.
TOTAL COILS: 3
TOTAL COMPRESSED HEIGHT: .070
SPRING RATE: 10.3 LBS./IN. TO SUPPORT 7 LBS. @ .300 HEIGHT.
END TO BE SQUARED.

Custodian:
Air Force – 99
Navy – AS

Preparing activity:
Air Force – 71

Review activity:
Air Force – 11

Agent activity:
Air Force – 99

(Project 1660-0812)

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

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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)
20000707

3. DOCUMENT TITLE CAP ASSEMBLY, LIQUID OXYGEN FILL VALVE

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
(YYYYMMDD)

8. PREPARING ACTIVITY

a. NAME DENISE A. SIKES

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

c. ADDRESS (*Include Zip Code*)
OC-ALC/TICLA
3001 STAFF DRIVE
TINKER AFB, OK 73145-5990

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