

INCH-POUND

MIL-DTL-7560/1A

22 January 1999

SUPERSEDING

MIL-DTL-7560/1

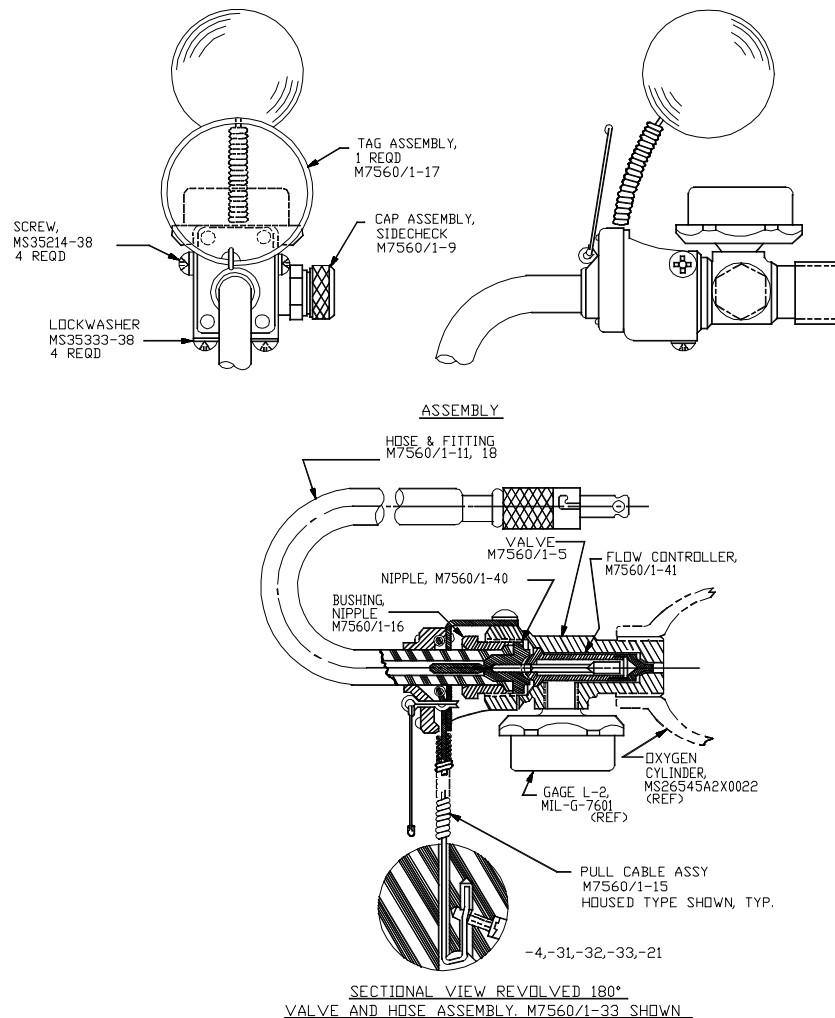
20 June 1997

DETAIL SPECIFICATION SHEET

VALVE ASSEMBLY, OXYGEN CYLINDER, BAILOUT

This document remains Inactive For New Design.

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



NOTE: REFER TO T.D. 15X1-4-2-12 FOR ASSEMBLY INSTRUCTIONS.

FINISH: IN ACCORDANCE WITH B46-1-78. ROUGHNESS OF 125 MICRINDCH UNLESS OTHERWISE SPECIFIED.

DIMENSIONS IN INCHES. TOLERANCES AS SPECIFIED ON DWG. DETAILS.

MATERIAL: MATERIALS NOT SPECIFIED SHALL BE IN ACCORDANCE WITH MIL-DTL-7560.

MIL-DTL-7560/1A

The Part or Identifying Number (PIN) shall be as follows: M7560/1-(see tables below for dash number)

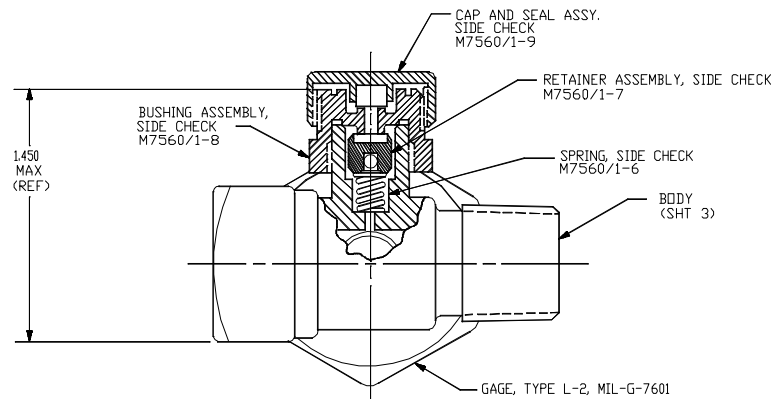
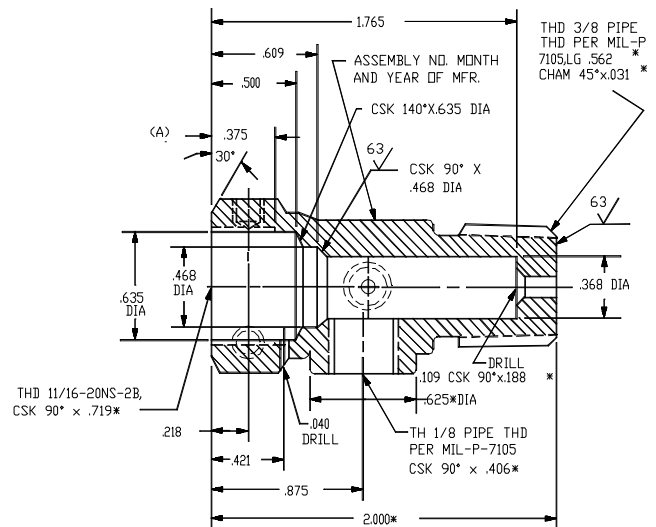
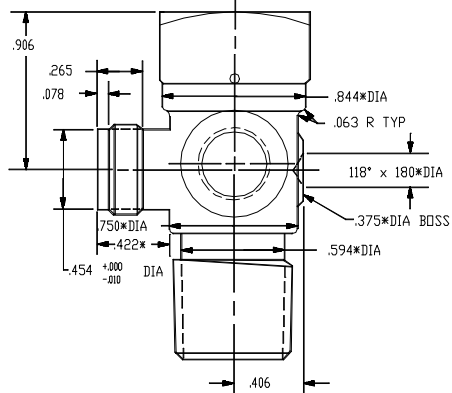
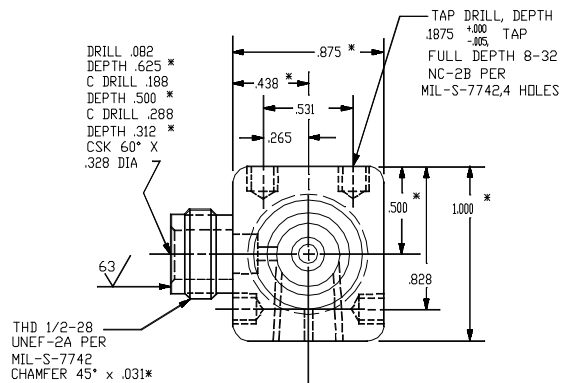
TABLE I. Valve assemblies

Dash number	Assemblies	Pull cable dash number	Hose dash number	Sheet reference
4	Valve, hose & pull cable assy	14	11	
31	Valve, hose & pull cable assy	14	18	
32	Valve, hose & pull cable assy	13	18	
33	Valve, hose & pull cable assy	15	18	
21	Valve and hose	None	19	10

TABLE II. Valve components

Dash number	Component	Superseded R/N	Sheet reference
6	Spring, side check	44A25094	4
7	Retainer assy, side check	51A24468	4
8	Bushing assy, side check	53A3730	4
9	Cap & seal assy, side check	53A3516	5
10	Gasket, bushing, side check	44A25100	5
	Other components		
11	Hose & fitting assy (24 in)	53A3731-1	6
18	Hose & fitting assy (28 in)	MS21964-12	6
19	Hose (28 in)		10
13	Pull cable assy, open type (6 in)	51B3589-1	7
14	Pull cable assy, open type (16.25 in)	51B3589-2	7
15	Pull cable assy, housed type (27.31 in)	57B3805	7
16	Bushing nipple	43A25028	8
17	Tag assy	43A25034	8
20	Fitting assy	7125414	11
40	Nipple, break-off	MS21965-1	12
41	Flow controller	MS29597-1	13
5	Valve		3

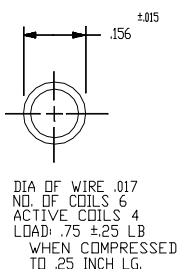
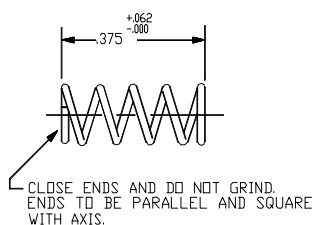
MIL-DTL-7560/1A

VALVE ASSEMBLY

(A) MINIMUM EFFECTIVE THREAD
MATERIAL: BRASS, UNS C 37700
STRESS ANNEAL AFTER MACHINING.
TOLERANCES, UNLESS OTHERWISE SPECIFIED:
DECIMALS $\pm .002$, ANGLES $\pm 1^\circ$, DECIMALS FOLLOWED
BY AN ASTERISK (*) $\pm .015$

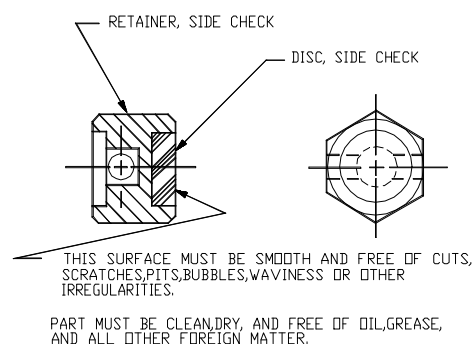
BODY

MIL-DTL-7560/1A

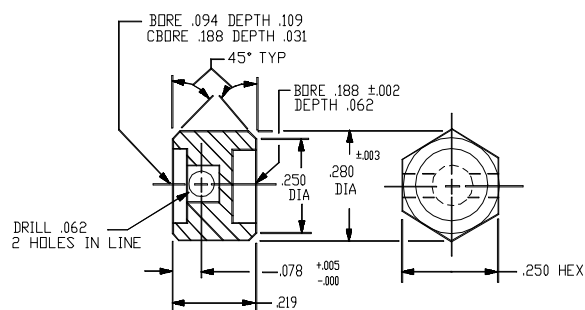


MATERIAL: PHOSPHORBRONZE, UNS C51000

SPRING, SIDE CHECK M7560/1-6

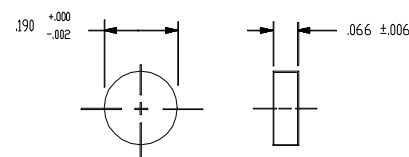


RETAINER ASSEMBLY, SIDE CHECK M7560/1-7



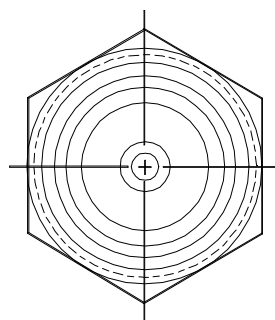
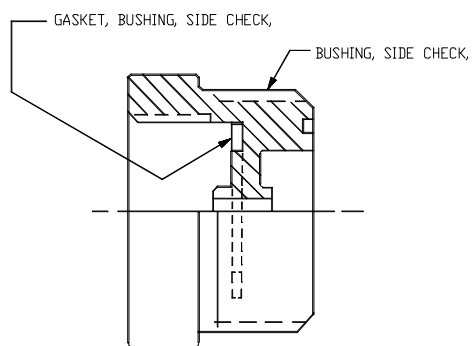
MATERIAL: BRASS, UNS C36000
REMOVE BURRS AND BREAK SHARP EDGES .005 MAX.
UNLESS OTHERWISE SPECIFIED, TOLERANCES:
DECIMALS: ±.005, ANGLES: ±1°

RETAINER, SIDE CHECK



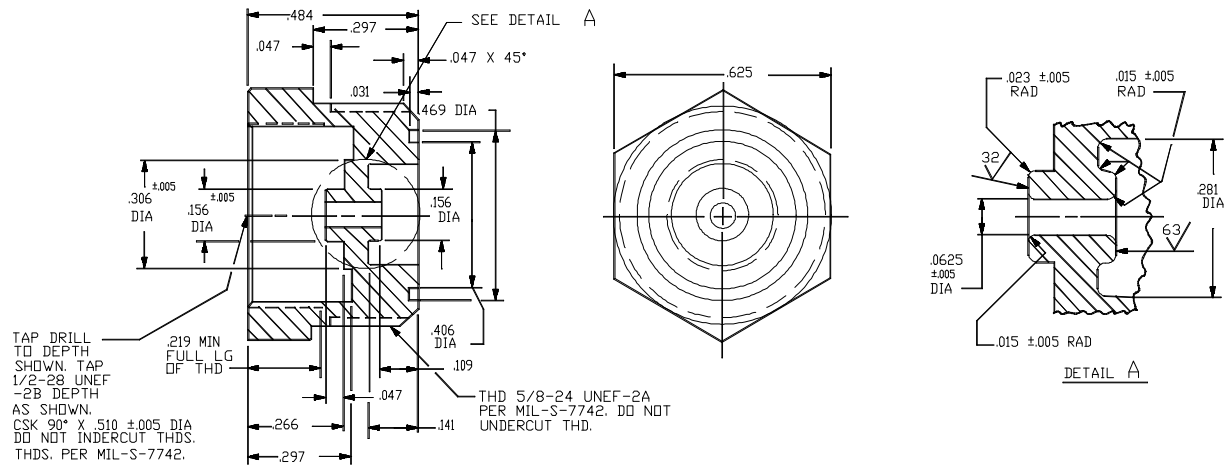
MATERIAL: SILICON RUBBER, ZZ-R-765E/GEN
CLASS OPTIONAL, GRADE 80

DISC, SIDE CHECK

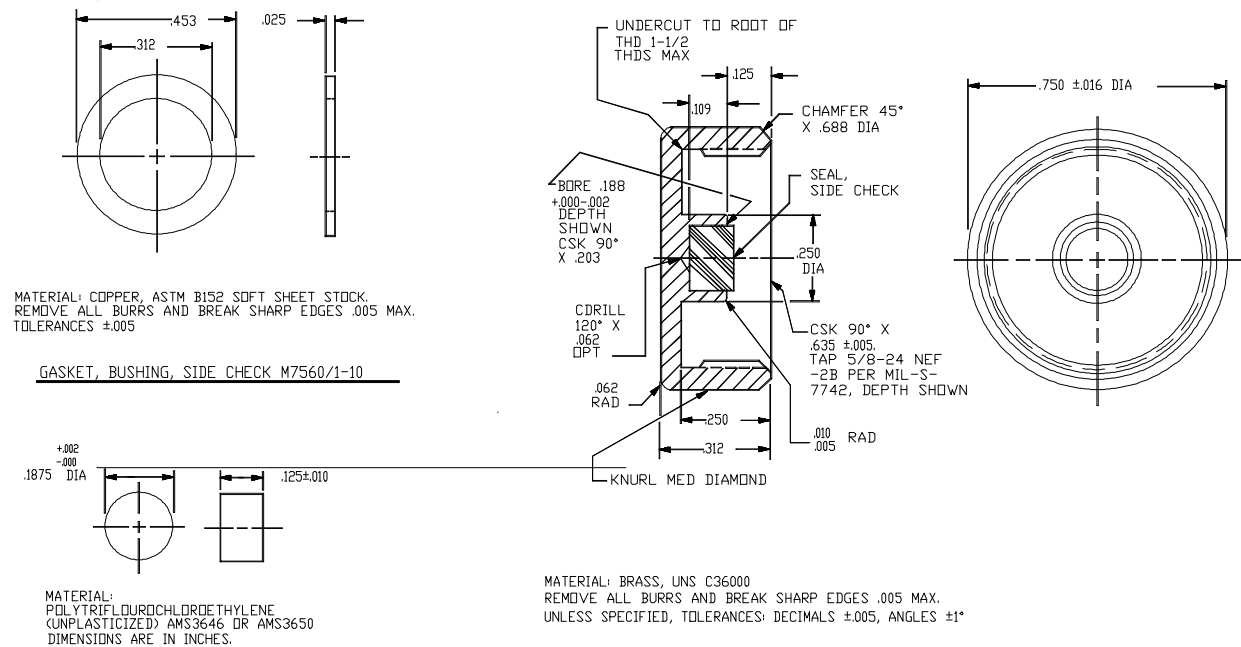
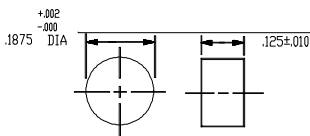


BUSHING ASSEMBLY, SIDE CHECK M7560/1-8

MIL-DTL-7560/1A



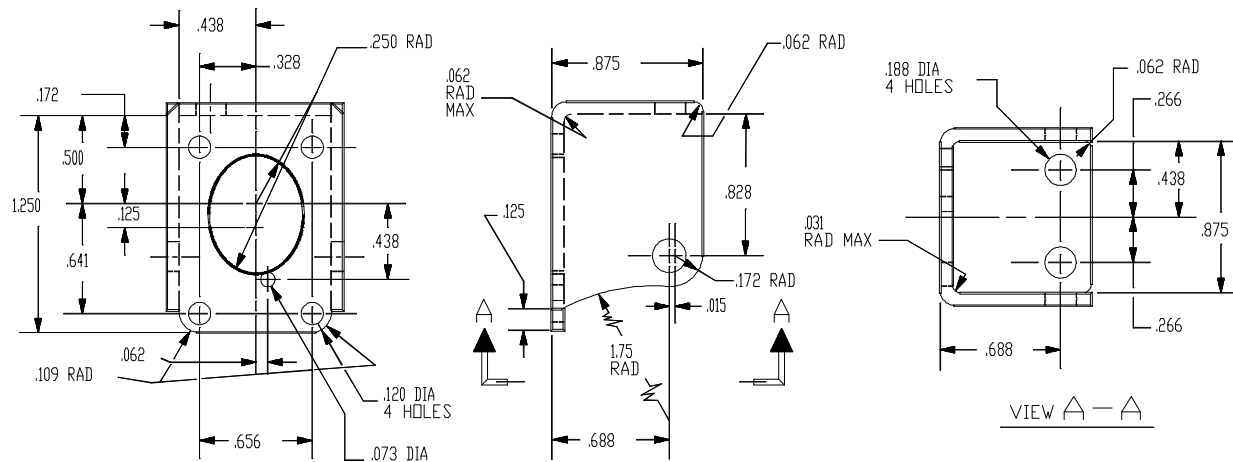
MATERIAL: BRASS ROD, UNS C48200 OR C36000 H02 TEMP, 1/2 HARD
 REMOVE ALL BURRS AND BREAK SHARP EDGES .010 MAX
 UNLESS SPECIFIED, TOLERANCES:
 DECIMALS: ±.016, ANGLES: ±1°

BUSHING, SIDE CHECKGASKET, BUSHING, SIDE CHECK M7560/1-10

MATERIAL: POLYTRIFLUOROCARBON
 (UNPLASTICIZED) AMS3646 OR AMS3650
 DIMENSIONS ARE IN INCHES.

SEAL, SIDE CHECKCAP AND SEAL ASSEMBLY, SIDE CHECK M7560/1-9

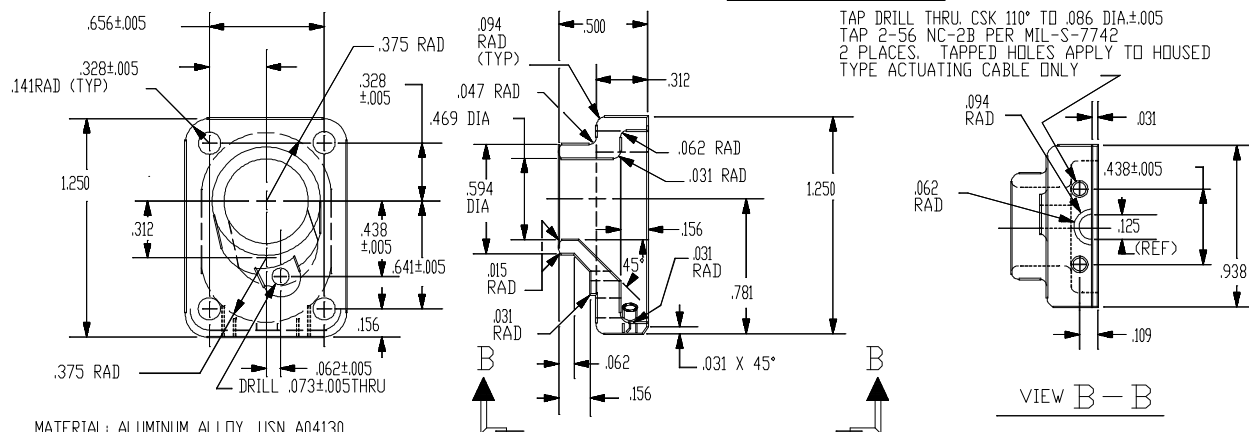
MIL-DTL-7560/1A



MATERIAL: STEEL, UNS K02500 .050 THICK
 FINISH: ZINC PLATE, ASTM B633, SC 2
 BREAK SHARP EDGES .010 MAX.
 UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS, $\pm .005$, ANGLES $\pm 1^\circ$.

OPT FINISH; MIL-C-83488, TYPE I, CLASS 3

HOUSING-SHEETMETAL

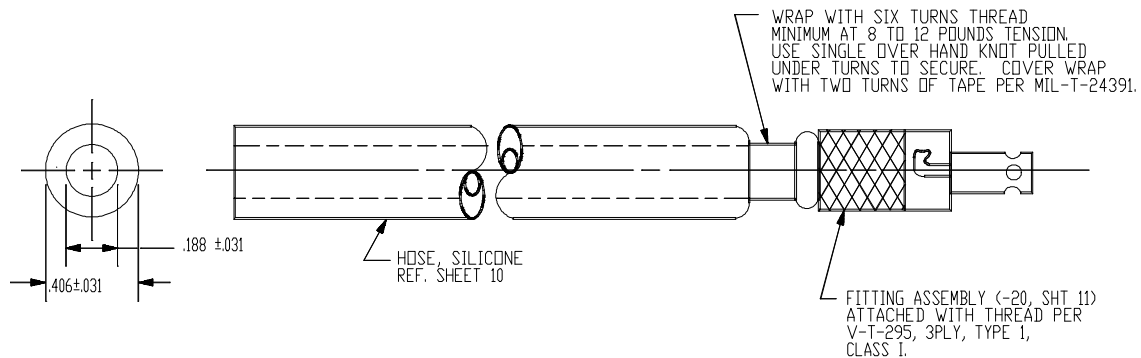


MATERIAL: ALUMINUM ALLOY, UNS A04130
 FINISH: ANODIC, PER MIL-A-8625, TYPE II
 FINISH ALL OVER 63

REMOVE ALL BURRS AND BREAK SHARP EDGES .010 MAX.

HOUSING-CAST

UNLESS OTHERWISE SPECIFIED, TOLERANCES:
 DECIMALS $\pm .015$, ANGLES $\pm 1^\circ$.

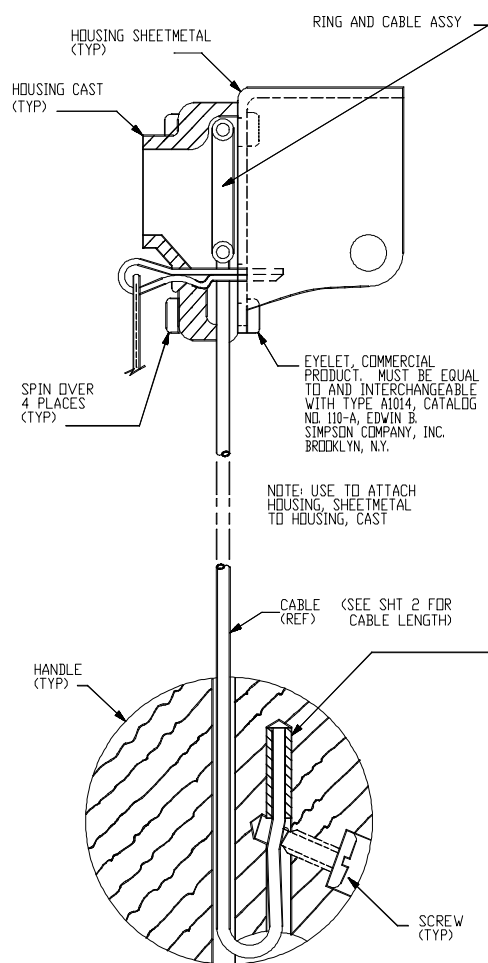


OPTIONAL ATTACHMENT METHOD
 USE FERRULE, SCHRADER P/N
 769 OR WINZELER STAMPING CO.
 P/N 19316 AND ADHESIVE MIL-
 A-46146, GROUP II TYPE II
 (HIGH STRENGTH LIQUID)

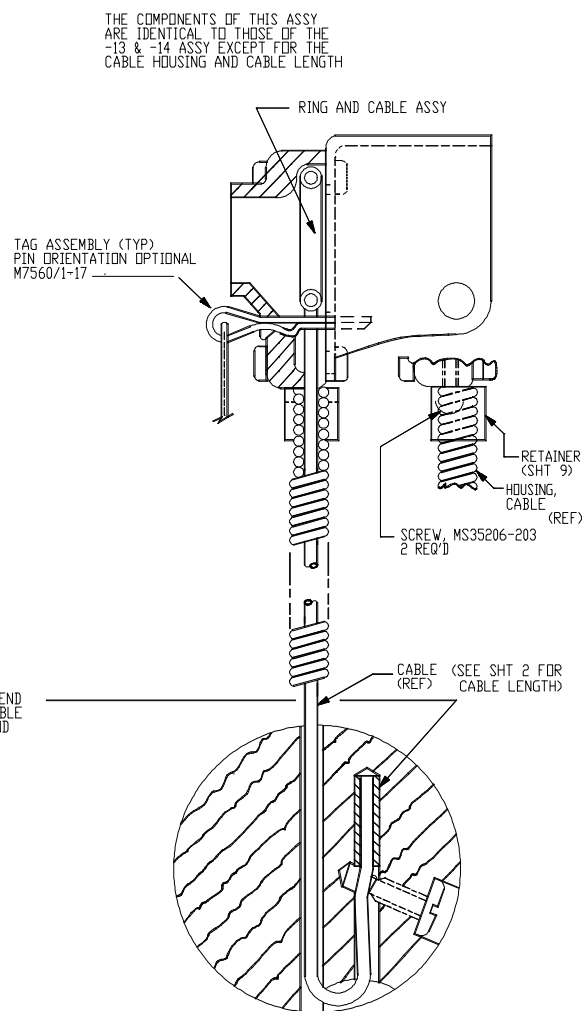
TOLERANCE: L $\pm .250$

HOSE AND FITTING
 M7560/1-11, 18

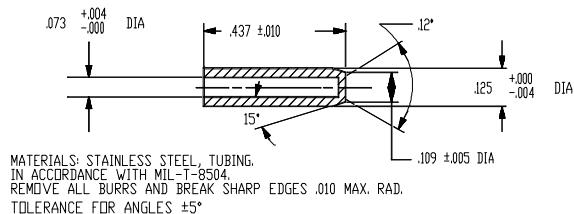
MIL-DTL-7560/1A



PULL CABLE, ASSEMBLY
OPEN TYPE M7560/1-13, 14

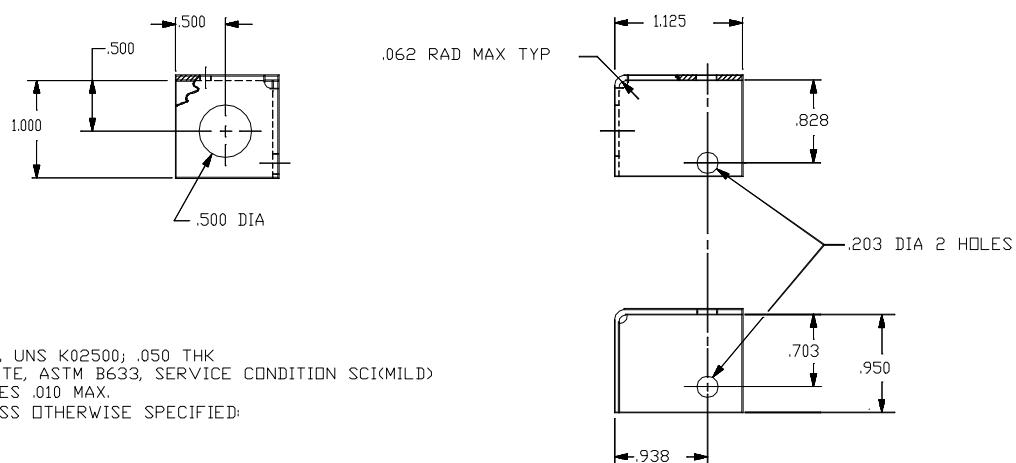


PULL CABLE, ASSEMBLY
HOUSED TYPE M7560/1-15

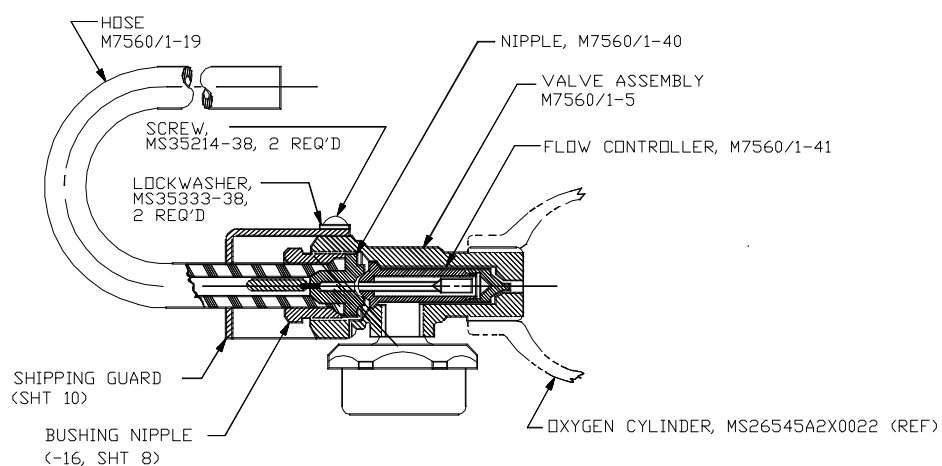
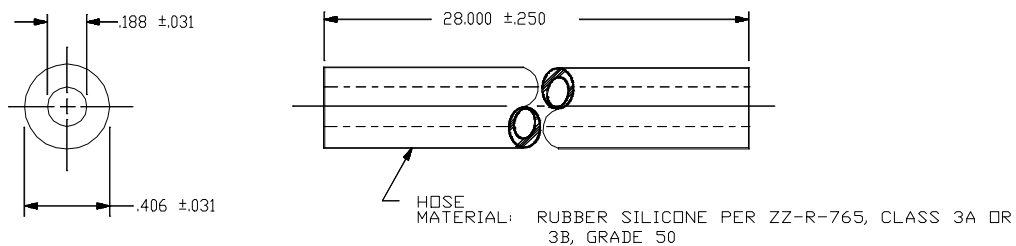


TERMINAL, CABLE END

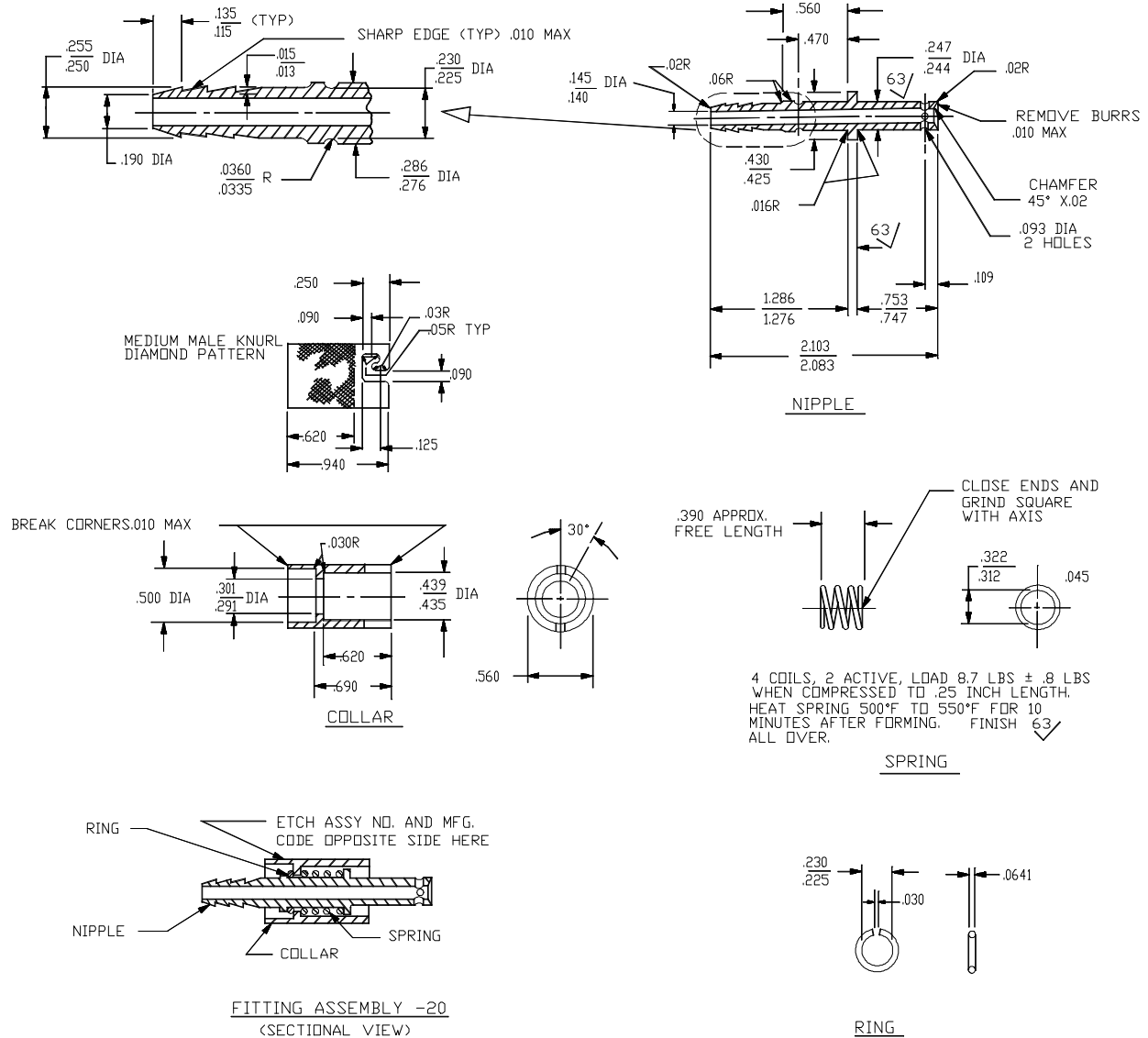
MIL-DTL-7560/1A



MATERIAL: STEEL, UNS K02500; .050 THK
 FINISH: ZINC PLATE, ASTM B633, SERVICE CONDITION SCI(MILD)
 BREAK SHARP EDGES .010 MAX.
 TOLERANCES UNLESS OTHERWISE SPECIFIED:
 DECIMALS $\pm .015$
 ANGLES $\pm 1^\circ$

SHIPPING GUARDVALVE AND HOSE ASSEMBLY M7560/1-21HOSE M7560/1-19

MIL-DTL-7560/1A



RING; BRASS, UNS C26800 OR UNS C26000

SPRING; STEEL, UNS K08500; FINISH ASTM B 633 TYPE 1, SC3 OR MIL-C-83488 TYPE 1 OR 2

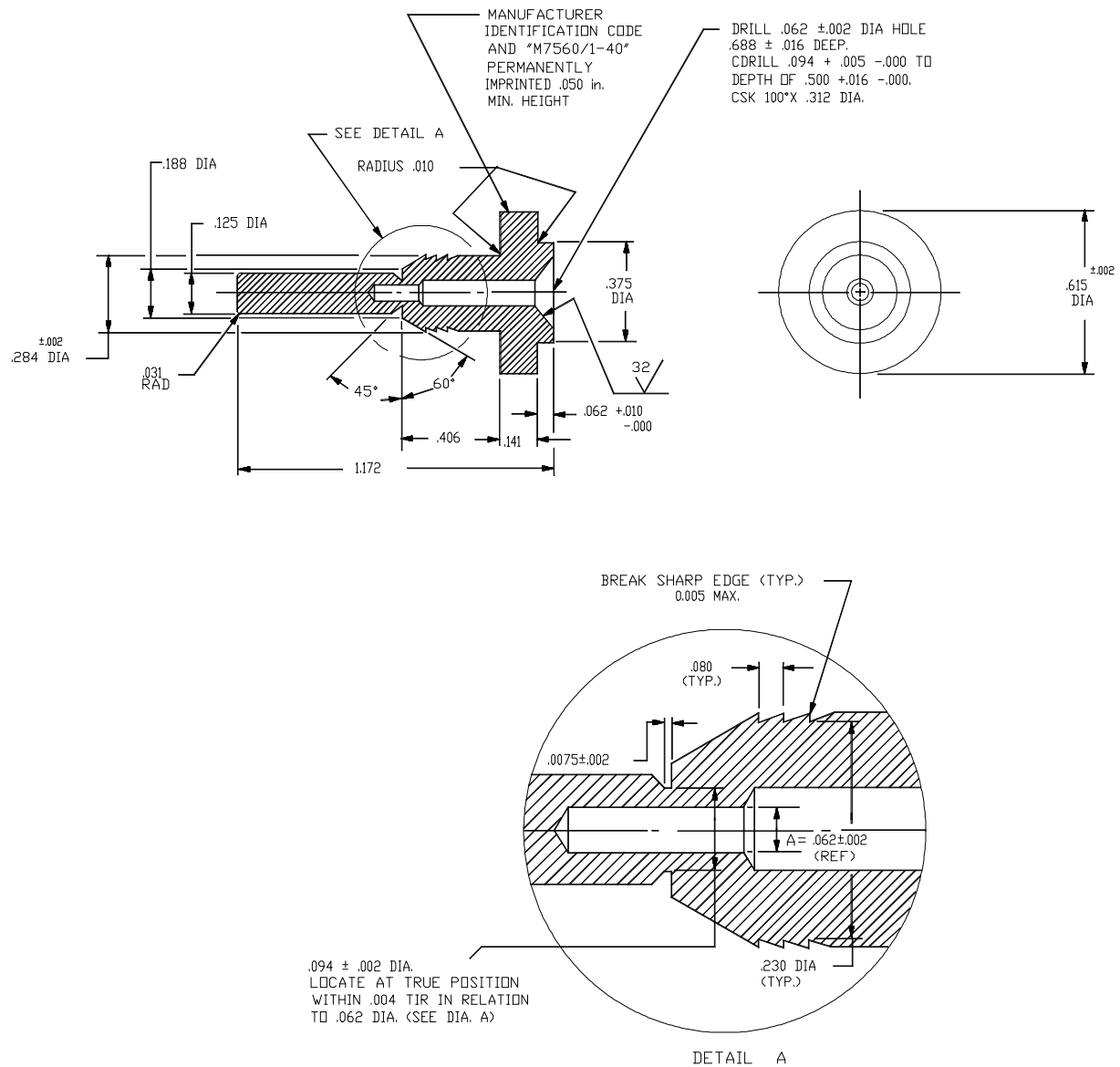
NIPPLE AND COLLAR; BRASS, UNS C36000; FINISH ASTM B633 SC1

ASSEMBLY MUST BE CLEAN, FREE FROM OIL AND OTHER FOREIGN MATERIAL.

FINISH $\sqrt{125}$ ALL OVER IN ACCORDANCE WITH ANSI B46-1 UNLESS OTHERWISE SPECIFIED.

FITTING ASSEMBLY M 7 5 6 0 / 1 - 2 0

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MATERIAL: BRASS CONFORMING TO UNS C36000

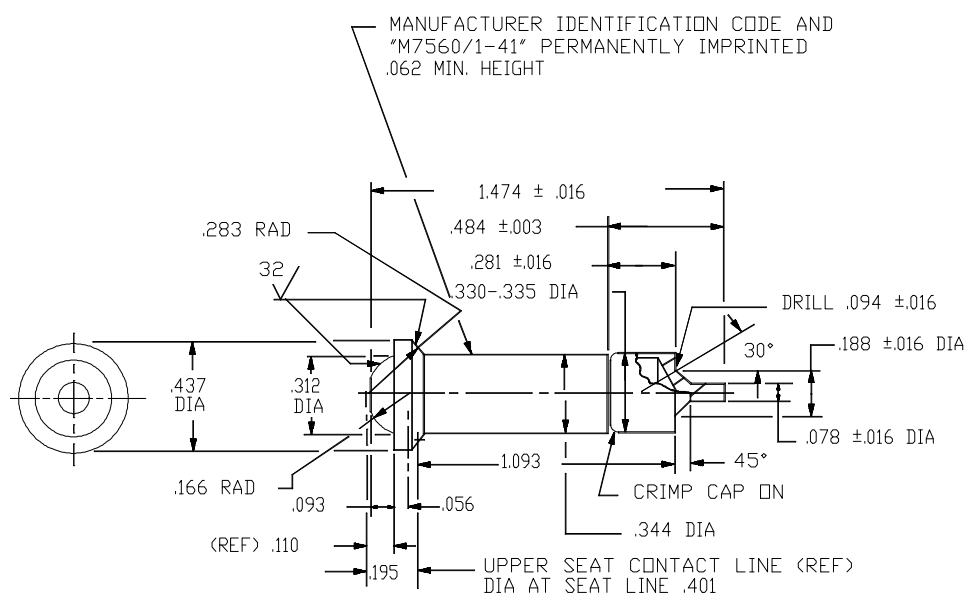
FINISH: ALL EXTERIOR SURFACES TO 125 IN ACCORDANCE WITH ASTM B46 UNLESS OTHERWISE SPECIFIED
PART MUST BE STRESS ANNEALED WITHIN 25 HRS AFTER FIRST OPERATION TO MEET FRACTURE REQUIREMENTS

REMOVE ALL BURRS AND BREAK SHARP EDGES .005 MAX.

TOLERANCES IN INCHES. UNLESS OTHERWISE SPECIFIED. DECIMALS ±.005; ANGLES ±1°

NIPPLE, BREAK OFF M7560/1-40

MIL-DTL-7560/1A



MATERIAL: BODY AND CAP, BRASS PER UNS C 36000

FINISH: IN CCORDANCE WITH ASME B.46.1 TO $\sqrt{63}$ MAXIMUM ROUGHNESS FOR ALL OUTR SURFACES UNLESS OTHERWISE SPECIFIED,
 DIMENSIONS IN INCHES: UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.005

CONTROLLER, OXYGEN FLOW M7560/1-41

MIL-DTL-7560/1A

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.

Custodians:

Army - AV
Navy - AS
Air Force - 99
DLA - GS

Preparing activity:

Air Force - 71

Agent:

Air Force - 99

Project 1660-0808

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.
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NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

I RECOMMEND A CHANGE:

1. DOCUMENT NUMBER

MIL-DTL-7560/1a

2. DOCUMENT DATE (YYMMDD)

99/01/22

DOCUMENT TITLE VALVE ASSEMBLY, OXYGEN, BAILOUT

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) AUTOVON
(if applicable)

7. DATE SUBMITTED
(YYMMDD)

8. PREPARING ACTIVITY

a. NAME

OC-ALC/TICLA

b. TELEPHONE *Include Area Code)*

(1) Commercial
(405) 736-5080

(2) AUTOVON
336-5080

c. ADDRESS *(Include Zip Code)* Commander
3001 STAFF DR STE 1AE1 101A
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