

INCH-POUND

A-A-55700  
30 June 1995

## COMMERCIAL ITEM DESCRIPTION

## LARYNGOSCOPE SET, MACINTOSH

The General Services Administration has authorized the use of this Commercial Item Description as a replacement for Military Specification MIL-L-36628C which is cancelled.

This Commercial Item Description covers a detachable laryngoscope of the Macintosh design, suitable for use in medical procedures concerning the human larynx.

Salient characteristics:

General. The complete laryngoscope set shall consist of the following components in the quantities specified:

<u>Component</u>	<u>Size</u>	<u>Type</u>	<u>Qty</u>
Blade, Laryngoscope, Infant, Macintosh, 87 mm	1	I	1
Blade, Laryngoscope, Child, Macintosh, 108 mm	2	I	1
Blade, Laryngoscope, Medium, Adult, Macintosh, 130 mm	3	II	1
Blade, Laryngoscope, Large, Adult, Macintosh, 158 mm	4	II	1
Handle, Laryngoscope, Battery Type, Universal, Large	-	-	1

AMSC N/A

FSC 6515

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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<u>Component</u>	<u>Size</u>	<u>Type</u>	<u>Qty</u>
Lamp, Incandescent, 2.7 volt, 0.31 Ampere, Bulb T-1, Frosted	-	I	4*
Lamp, Incandescent, 2.5 volt, 0.28 Ampere, Bulb T-1-1/2, Frosted	-	II	4*

\*Each laryngoscope set shall be furnished with one lamp assembled to each blade and one extra lamp for each blade. When laryngoscope blades are ordered as separate items of supply, no extra lamps shall be furnished.

Material. The laryngoscope blade, housing lock, lamp carrier and lamp socket shall be fabricated from Class 3, austenitic stainless steel in accordance with the American Society for Testing and Materials (ASTM) F899 or chromium over nickel plated copper alloy. Corrosion requirements for Class 3 material shall be in accordance with ASTM F1089.

The battery handle shall be fabricated from chromium over nickel plated copper alloy or Class 3, austenitic stainless steel in accordance with ASTM F899.

The lamp shell base and contact sleeve shall be fabricated from nickel plated, or chromium over nickel plated copper alloy. The insulators for the lamp shall be fabricated from hard rubber, phenolic plastic or other material with similar insulating properties.

Hardness. The Rockwell Hardness of Class 3 material shall be B75 minimum, when tested in accordance with ASTM E18 or E92.

Style, design and dimensions. The complete laryngoscope set shall consist of laryngoscope blades that shall be of the Macintosh design, and of the detachable and hook-on type for use during intubation of the human larynx. The hook-on fitting dimensions and performance requirements of both handle and blades shall be in accordance with ASTM F965. The remaining dimensions of the blades shall be in accordance with Figures 2A and 2B. The handle shall be a large size universal type with removable spring contact cap, accommodating two "D" size batteries in accordance with Figures 1A and 1B, for type I or type II design. Each lamp shall have a minimum 20 hour life span and shall be designed to fit into the lamp sockets of the laryngoscope blades. The measured current through the lamp filament shall be

within  $\pm 10\%$  of the ampere values specified. The type I lamp shall be in accordance with Figure 3 and the type II lamp shall be in accordance with Figure 4.

Identification marking and labeling. The laryngoscope set shall be labeled and marked in accordance with ASTM F965.

Workmanship. The laryngoscope set shall be free from defects which detract from its appearance or impair its serviceability.

Unit.

Laryngoscope Set- Set (SE). One laryngoscope set, as specified, constitutes one unit. Set shall be supplied in a suitable unit container.

Blade (Sizes 1 through 4) - Each (EA). One blade, as specified, constitutes one unit. Blade shall be supplied in a suitable unit container.

Handle - Each (EA). One handle, as specified, constitutes one unit. Handle shall be supplied in a suitable unit container.

QUALITY ASSURANCE PROVISIONS.

Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

Records. Records of examinations and tests performed by or for the contractor shall be maintained by the contractor and made available to the Government upon request, at any time, or from time to time, during the performance of the contract and for a period of three years after delivery of the supplies to which such records relate.

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Inspection. Inspection, as used herein, is defined as both examination (such as visual or auditory investigation without the use of special laboratory appliances or procedures) and testing (determination by technical means of physical and chemical properties) of the item.

Examination. Examination shall be conducted to determine compliance with specification requirements.

Sampling for examination. Sampling for examination shall be conducted in accordance with The American National Standards Institute (ANSI) Standard ANSI Z1.4 and as specified. Unit of product for examination purposes shall be one laryngoscope set, as specified. Sampling shall be inspection level II with an Acceptable Quality Level (AQL) of 1.0.

Tests. Tests shall be conducted to determine compliance with specification requirements. Where feasible, the same sample shall be used for the determination of two or more test characteristics.

Sampling for tests. Sampling for tests shall be conducted in accordance with ANSI Standard Z1.4 and as specified. The unit of product for test purposes shall be laryngoscope set. Sampling shall be inspection level S-1 with an AQL of 1.0.

Contractor certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this Commercial Item Description, and that the product conforms to the producers' own drawings, specifications, standards, and quality assurance practices. The government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

Metric products. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, providing they fall within the tolerances specified using conversion tables contained in the latest revision of Federal Standard No. 376, and all other requirements of this document are met.

If a product is manufactured to metric dimensions and those dimensions exceed the tolerances specified in the inch/pound units, a request should be made to the contracting officer to determine if the product is acceptable.

The contracting officer has the option of accepting or rejecting the product.

Regulatory requirements.

Federal Food, Drug, and Cosmetic Act. If the product covered by this document has been determined by the U.S. Food and Drug Administration to be under its jurisdiction, the offeror/contractor shall comply, and be responsible for compliance by its subcontractors/suppliers, with the requirements of the Federal Food, Drug, and Cosmetic Act, as amended, and regulations promulgated thereunder. In addition, the offeror/contractor shall comply, and be responsible for compliance by its subcontractors/suppliers, with the requirements of all other applicable Federal, State, and local statutes, ordinances, and regulations.

Recovered materials. The offeror/contractor is encouraged to use recovered material in accordance with Federal Acquisition Regulation Subpart 23.4 to the maximum extent practical.

Preservation, packaging, packing, labeling, and marking. Unless otherwise specified, preservation, packaging, and packing shall be to a degree of protection to preclude damage to containers and/or contents thereof under normal shipping conditions, handling, etc., involving shipment from the supply source to the receiving activity, plus reshipment from receiving activity, and shall conform to applicable carrier's rules and regulations. Intermediate and exterior package quantities and labeling and marking shall be as specified in the contract and/or order.

Ordering data Intermediate/exterior package quantities and labeling and marking must be specified in the contract and/or order.

NOTE: This specification covers National Stock Number (NSN) 6515-00-616-5052 , Laryngoscope, Infant-Child-Adult, MacIntosh; and in addition, the following components when procured as individual items of supply (see below) with their respective item identifications, NSNs and size.

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<u>NATIONAL STOCK NUMBER</u>	<u>ITEM IDENTIFICATION</u>	<u>SIZE</u>
6515-00-913-4605	BLADE, LARYNGOSCOPE, Infant, Macintosh, 87 mm.	1
6515-00-955-8836	BLADE, LARYNGOSCOPE, Child, Macintosh, 108 mm.	2
6515-00-955-8865	BLADE, LARYNGOSCOPE, Medium, Adult,, Macintosh, 130 mm.	3
6515-00-913-4607	BLADE, LARYNGOSCOPE, Large, Adult,, Macintosh, 158 mm.	4
6515-00-890-2190	Handle, LARYNGOSCOPE, Battery Type, Universal, Large.	-
6240-00-797-0420	LAMP, INCANDESCENT, 2.7 volt, 0.31 Ampere, Bulb T-1, Frosted.	-
6240-00-552-9672	LAMP, INCANDESCENT, 2.5 volt, 0.28 Ampere, Bulb T-1-1/2, Frosted.	-

MILITARY INTERESTS:

## PREPARING ACTIVITY:

Custodians:

DoD-MB

Army-MD  
Navy-MS  
Air Force-03

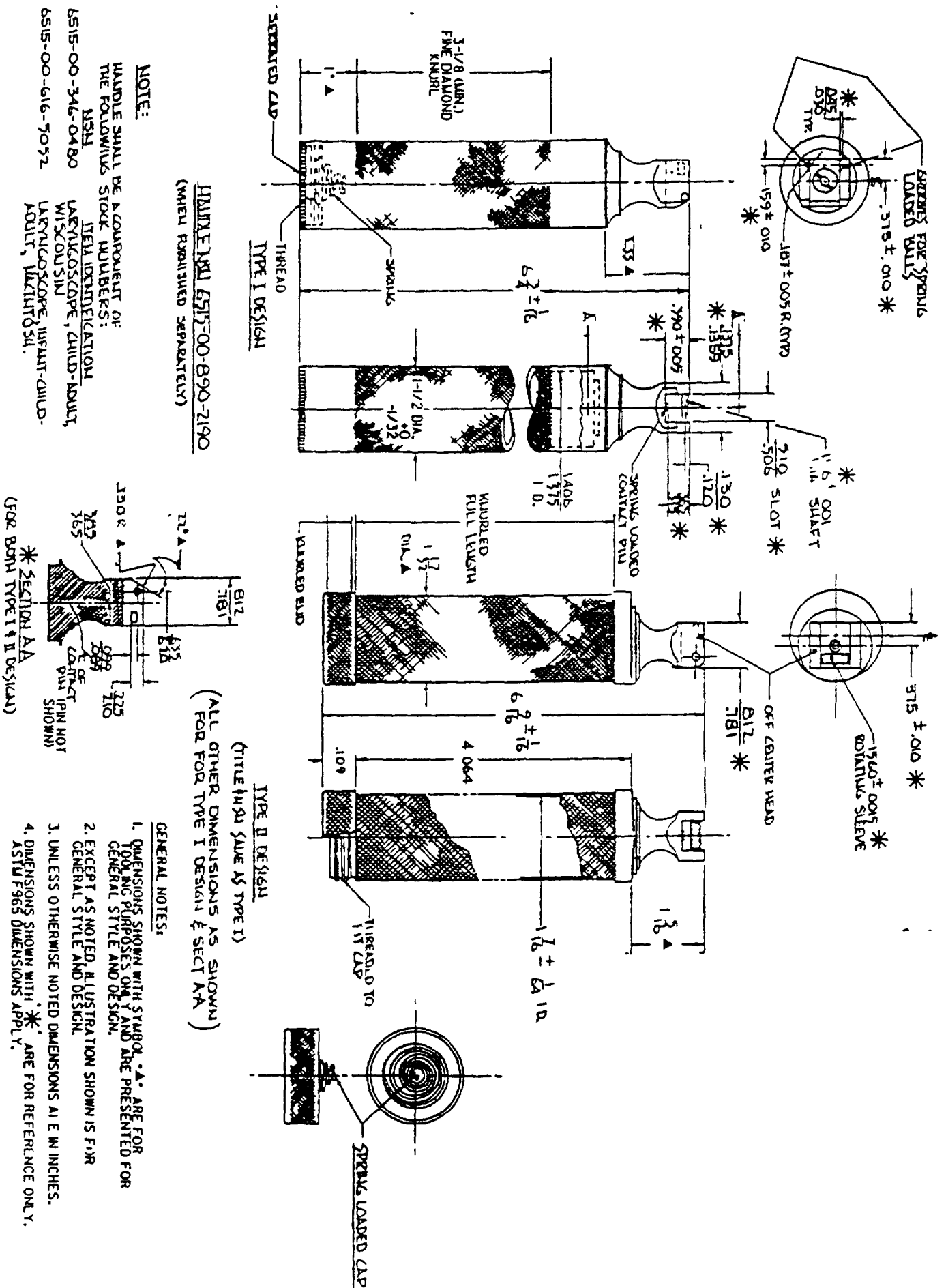
Agent:

DLA-DM

CIVIL AGENCY COORDINATING ACTIVITIES:

VA-OSS  
USPHS  
FDA-MPQAS

Project No. 6515-5744  
Location:\word\FINALS(mab)



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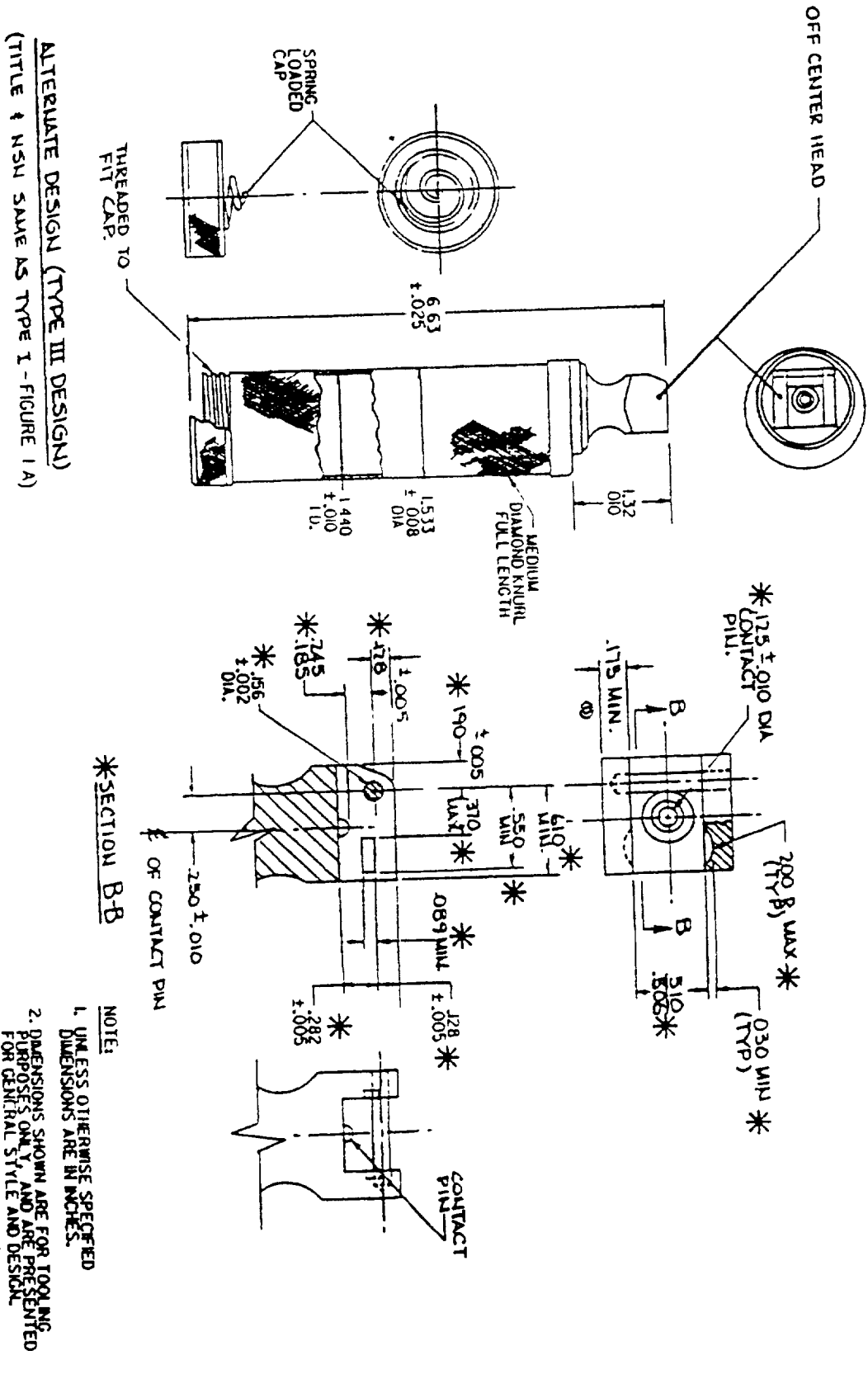
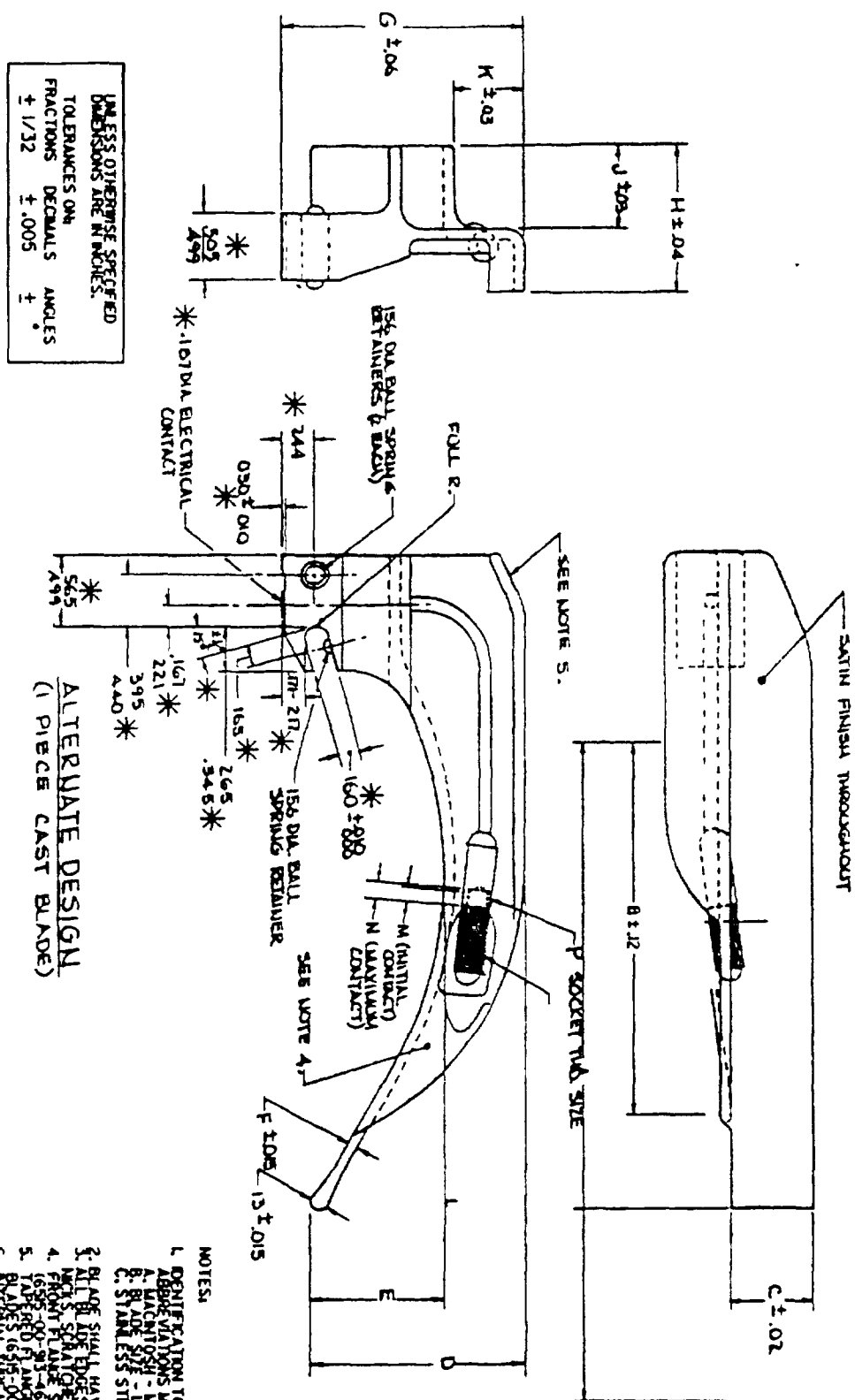


FIGURE 1B HANDLE, LARYNGOSCOPE, BATTERY TYPE, UNIVERSAL, LARGE



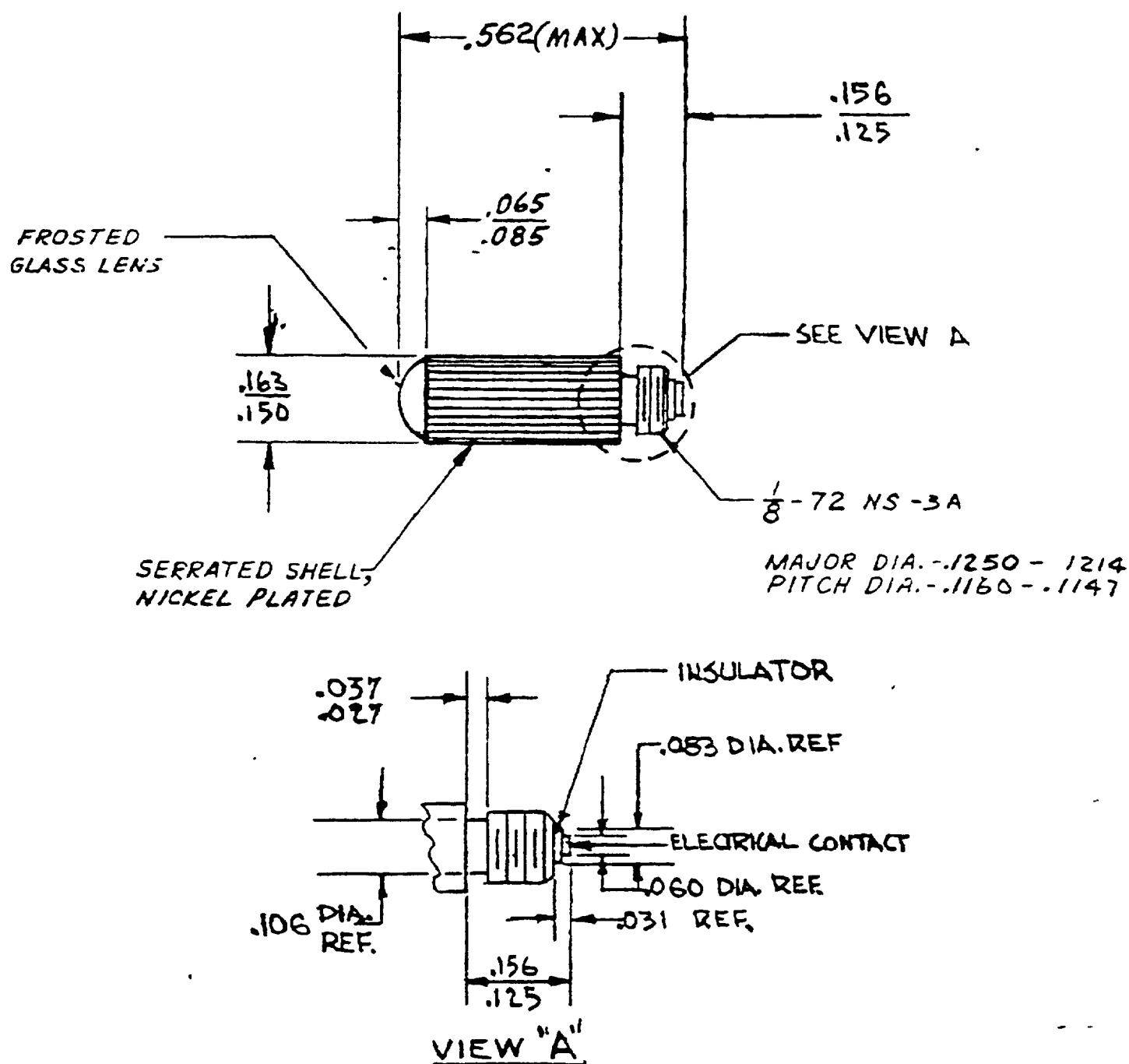


NSN	SIZE	A	B	C	D	E	F	G	H	J	K	L <sup>1</sup> (LAMP TYPE PER MIL-STD-883B)	M	N	P <sup>2</sup> SOCKET TYPE (SEE TAB. 1)
6515-00-913-4607	(LAMP 4) MOUNT	165.81	350	.15	151	72	105	184	115	76	50	(SEE NOTE 4)	.117	145	(8-32 UNC-28 BASE MOUNT 7)
6515-00-955-0045	(LAMP 3) MOUNT	129.03	281	.62	161	99	105	182	110	62	54	(SEE NOTE 9)	.115	145	(8-32 UNC-28 BASE MOUNT 7)
6515-00-955-0036	(CHILD) <sup>2</sup>	110.49	236	.36	133	81	105	131	63	36	45	(FROM NOTE 8)	.107	161	(8-32 UNC-28 BASE MOUNT 7)
6515-00-913-4605	(INFANT)	90.00	212	.46	92	31	105	131	75	33	25	(SEE NOTE 8)	.130	161	(8-32 UNC-28 BASE MOUNT 7)

ALTERNATE DESIGN  
(1 PIECE CAST BLADE)

- NOTES:
1. IDENTIFICATION TO BE MARKED ON BLADE BASE  
ALPHABETICALLY MAY BE USED AS SHOWN:  
A. MACHINE - MAC  
B. BLADE SIZE - L 2 3 & 4  
C. STAINLESS STEEL - S.S.
  2. BLADE SHALL HAVE SMOOTH SATIN FINISH THROUGHOUT.  
ALL BLADE EDGES SHALL BE ROUNDED AND FREE FROM  
NOTES, SCRATCHES AND SHARP PROJECTIONS.  
FRONT PLATING SHOWN IS NOT USED ON SIZE 1 BLADE  
(6595-00-913-4609).
  3. TAPERED BLADE IS NOT USED ON SIZE 1A SIZE 2  
BLADES (6595-00-913-4605 AND 6595-00-955-8836).
  4. INTERNAL THREAD DATA FOR LAMP SOCKET:  
1/8-72UNF-3B  
NO. 33 DRILL (J30-J13)  
PITCH DIA. 1.60-1.81
  5. INTERNAL THREAD DATA FOR LAMP SOCKET:  
8-32UNC-2B  
NO. 29 DRILL (J34-J39)  
PITCH DIA. 1.37-1.415  
MAJOR DIA. 1.50-1.55
  6. EXTERNAL THREAD DATA FOR LAMP: 1/8-72UNS-3A  
PITCH DIA. 1.44-1.480  
MAJOR DIA. 1.44-1.480
  7. EXTERNAL THREAD DATA FOR LAMP: 8-32UNC-2A  
PITCH DIA. 1.57-1.63  
MAJOR DIA. 1.59-1.628
10. DIMENSIONS SHOWN WITH \* ARE FOR REFERENCE ONLY.  
ASTM F963 DIMENSIONS APPLY.



**GENERAL NOTES:**

1. LAMP CHARACTERISTICS 2.7 VOLT, 0.31 AMPS.
  2. ELECTRICAL RATING TOLERANCE  $\pm 10\%$ .
  3. T-1 = T (TUBULAR) -1 (EIGHTS) THRU GREATEST DIA.
  4. LAMP MAY BE SUPPLIED WITH BEARING WASHER
- ASSEMBLED OVER UNDERCUT

NSN 6240-00-552-9672

FIGURE 3 - LAMP, INCANDESCENT, 2.7 VOLT, 0.31 AMPERE, BULB, T-1, FROSTED

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1. INITIAL RATING TOLERANCE, AT DESIGN VOLTS AMPERES VARIATION IN PERCENT, PLUS OR MINUS  $\pm 10$ .
2.  $T-1\frac{1}{2}$  T (TUBULAR) -  $1\frac{1}{2}$  (EIGHTHS) THRU GREATEST DIAMETER
3. LAMP MAY BE SUPPLIED WITH BEARING WASHER ASSEMBLED OVER UNDERCUT.
4. ALL DIMENSIONS IN INCHES.

GENERAL NOTE:

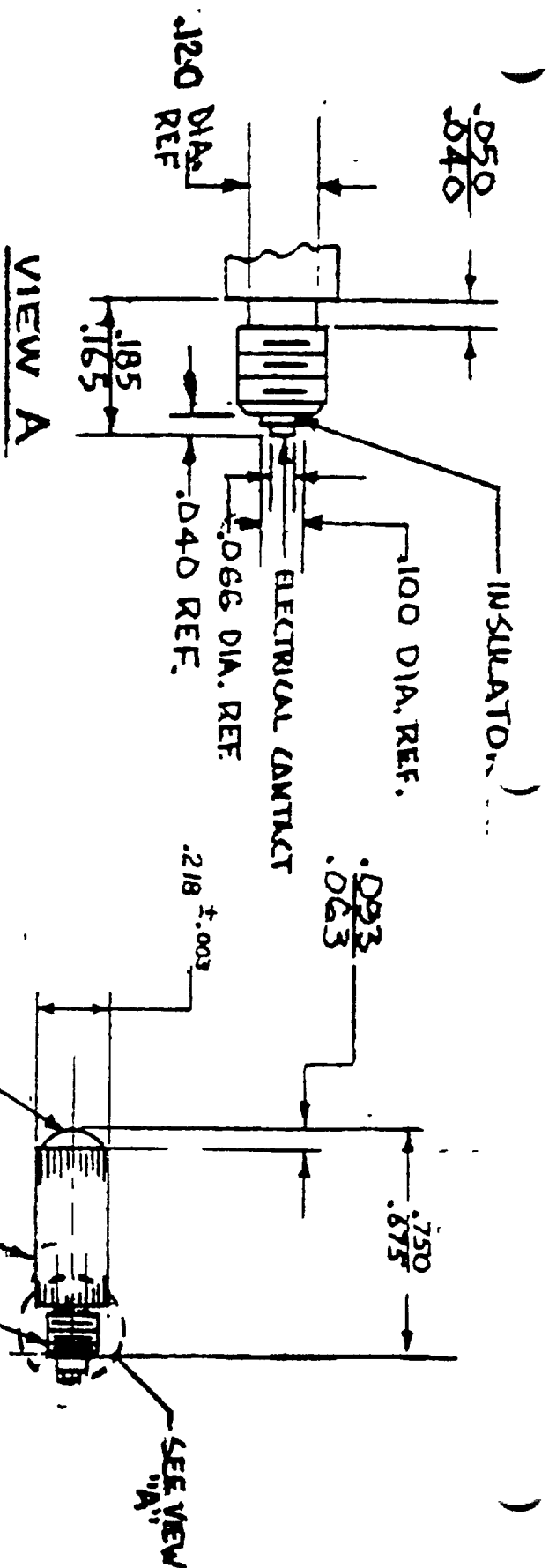


FIGURE 4 - LAMP, INCANDESCENT 2.5 VOLT, 0.28 AMPERE BULB T-1.5, FROSTED

NSN 6240-00-797-0420

## 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.
- 3 The preparing activity must provide a reply within 30 days from receipt of the form.

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.

<b>1 RECOMMEND A CHANGE:</b>		1. DOCUMENT NUMBER A-A-55700	2. DOCUMENT DATE (YYMMDD) 950630
3. DOCUMENT TITLE LARYNGOSCOPE SET, MACINTOSH			
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 Defense Personnel Support Center ATTN: DPSC- MAP		b. TELEPHONE (Include Area Code) (1) Commercial (215) 737-8431 (2) AUTOVON 444-8431	
c. ADDRESS (Include Zip Code) 2800 South 20th Street Philadelphia, PA 19145		IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT Defense Quality and Standardization Office 5203 Leesburg Pike Suite 1403 Falls Church VA 22041-3466 Telephone (703) 756 2340 AUTOVON 289-2340	