MILITARY STANDARD

AUTOMATED ENGINEERING
DOCUMENT PREPARATION SYSTEM

FASTENERS

TO ALL HOLDERS OF DOD-STD-35-23A(MI):

1. THE FOLLOWING PAGES OF DOD-STD-35-23A(MI) HAVE BEEN REVISED AND SUPERSEDE THE PAGES LISTED:

NEW PAGE	DATE	SUPERSEDED PAGE	DATE
1	14 January 1983	1	9 March 1979
2	14 January 1983	2	9 March 1979
3	14 January 1983	3	9 March 1979
4	14 January 1983	4	9 March 1979
5	14 January 1983	5	9 March 1979
6	9 March 1979	(Reprinted without change)	
13	14 January 1983	13	9 March 1979
21	9 March 1979	(Reprinted without change)	
22	14 January 1983	22	9 March 1979
23	14 January 1983	23	9 March 1979
24	9 March 1979	(Reprinted without change)	
43	9 March 1979	(Reprinted without change)	
44	9 March 1979	(Reprinted without change)	
99	9 March 1979	(Reprinted without change)	
100	14 January 1983	100	9 March 1979
101	14 January 1983	101	9 March 1979
102	9 March 1979	(Reprinted without change)	
103	9 March 1979	(Reprinted without change)	
104	14 January 1983	104	9 March 1979
105	14 January 1983	105	9 March 1979
106	9 March 1979	(Reprinted without change)	
149	9 March 1979	(Reprinted without change)	
150	9 March 1979	(Reprinted without change)	
155	9 March 1979	(Reprinted without change)	
156	9 March 1979	(Reprinted without change)	
157	14 January 1983	157	9 March 1979
158	14 January 1983	158	9 March 1979
159	14 January 1983	159	9 March 1979
160	14 January 1983	160	9 March 1979
161	9 March 1979	(Reprinted without change)	
162	14 January 1983	162	9 March 1979
163	14 January 1983	163	9 March 1979
165-166	14 January 1983	165-166	9 March 1979
167-168	14 January 1983	167-168	9 March 1979

AREA EDS

2. THE FOLLOWING PAGES HAVE BEEN ADDED:

NEW PAGE	DATE	NEW PAGE	DATE
4a	14 January 1983	154a	14 January 1983
14	14 January 1983	155a	14 January 1983
43a	14 January 1983	155b	14 January 1983
43b	14 January 1983	155c	14 January 1983
122a	14 January 1983	155d	14 January 1983
149a	14 January 1983	155e	14 January 1983
149b	14 January 1983	155f	14 January 1983
149c	14 January 1983	155g	14 January 1983
149d	14 January 1983	155h	14 January 1983
149e	14 January 1983	155i	14 January 1983
149f	14 January 1983	155j	14 January 1983

3. RETAIN THIS NOTICE PAGE AND INSERT BEFORE THE TABLE OF CONTENTS.

4. Holders of DOD-STD-35-23A(MI) will verify that page changes and additions indicated above have been entered. The notice page will be retained as a check sheet. This issuance, together with appended pages is a separate publication. Each notice is to be retained by stocking points until the Military Standard is completely revised or canceled.

Custodians:
Army-MI

Review activities:
Army-AT
Army-AV
Army-EV
Army-ME
Army-MR
Army-SG
Army-CR

User activity:
Army-AR

Preparing activity:
Army-MI

(Project EDS-A322)

1. SCOPE

1.1 General. This dash-numbered part of the Automated Engineering Document Preparation System (AEDPS), provides detailed requirements for the preparation of Military Specification Exception (MSE) documentation for Fasteners.

1.2 Purpose. This military standard provides the necessary information to prepare a Specification Requirement Sheet (SRS) which will be used to generate an MSE by automated data processing.

1.3 Utilization. General instructions, quality assurance provisions, packaging, and notes, applicable to all AEDPS dash-numbered parts have been included in the basic document (DOD-STD-35) to avoid redundancy. Unless otherwise specified in this dash-numbered part, the following list contains additional subjects that are applicable to all AEDPS dash-numbered parts and are included in DOD-STD-35:

a. Writing Methodology
b. Document and Part Numbering
c. Applicable Documents
d. Single and Multi-item Specifications (Tabulation)
e. Keyword Code Index (KCI)
f. General Requirements of AEDPS

1.4 Military Specification Exception Title Index. It is recommended that MIL-STD-1515, Fasteners Used in the Design and Construction of Aerospace Systems, and MIL-STD-1754, Fastening Devices Preferred For Design, Listing of, be reviewed prior to using this dash-numbered part book.

The title code for an MSE shall be selected from one of the MSE titles listed in the Title Index (see table I). Data bases have been established for the generation of MSE's for the MSE titles indicated. If a suitable title code is not contained in the Title Index, leave the title code spaces on the SRS blank, and attach a request for the assignment of a title code. Include in the request the desired title and the base document identifier. A code will be assigned and the code, title, and base document will be made a part of the Title Index.

One of the six-digit codes listed in the Title Index, entered on an SRS, will specify that the title of the MSE will be the title shown in the Title Index.

Each MSE title listed in the Title Index is compatible with the document(s) listed with that title under base document. The list of base documents may or may not be a complete listing. The information shown under coverage is intended for the user's reference; when more than one document is listed for an MSE title, this information will be found useful in determining which of the documents is most suitable for use as the base document.

The MSE title may or may not be the same as the title used in DODISS, FIIG, or the base document. In general, the MSE title uses the basic federal item name listed in Cataloging Handbook H6. However, titles with additional modifying and identifying words are provided to assist in defining the scope of the MSE. Also, less restrictive titles are provided to prevent exclusion of items.

TABLE I. TITLE INDEX.

MSE TITLE	TITLE CODE	BASE DOCUMENT NUMBER	BASE DOCUMENT COVERAGE
CATCH	146020	NAS1637	HANDLE, LATCH
COLLAR	146022	NAS1080	SWAGE LOCKING
FASTENER	146021	NAS4450	PIN, CRIMP PROTRUDING HEAD
		NAS4452	PIN, CRIMP SHEAR HEAD
FASTENER, BLIND	146019	MIL-F-8975	HIGH STRENGTH
		MS21140	100 DEG FLUSH HEAD MECH LOCK
		MS21141	PROTRUDING HEAD CRES
		NAS1669	INTLY THREADED EXT SLEEVE
		NAS1670	FLUSH HEAD
		NAS1671	HIGH TEMP PROTRUDING HEAD
		NAS1672	HIGH TEMP FLUSH HEAD
		NAS1673	LIGHT WEIGHT PROTRUDING HEAD
		NAS1674	LIGHT WEIGHT MILLABLE HEAD
FASTENER, CONTAINER CLOSURE	146001	MS18015	LATCH AND STRIKE ASSEMBLY
		MS24535	CONTAINER

TABLE I. TITLE INDEX. (CONT)

MSE TITLE	TITLE CODE	BASE DOCUMENT NUMBER	BASE DOCUMENT COVERAGE
FASTENER, EQUIPAGE	146002	MIL-F-411	BELT
		MIL-F-11698	QUICK RELEASE
		MIL-F-43514	EQUIPAGE ITEMS
FASTENER, PANEL	146004	MIL-F-5591	PANEL
		MIL-F-8490	EQPT RACK ACFT
		MIL-F-14187	REFRIGERATOR
		MIL-F-25173	CONTROL, ACFT
FASTENER, PARACHUTE PACK	146006	MS70092	PACK
		AN6572	TAB, OVAL
FASTENER, QUICK OPERATING, ROTARY	146007	MIL-F-22978	SPECIFICATION
		MS17731	FLUSH HEAD FLOATING TYPE
		MS17732	PROTRUDING HEAD FLOATING TYPE
		NAS67	GUIDE-FASTENER LOW FORM, COWL
FASTENER, ROTARY	146014	MIL-F-22978	QUICK OPERATING HIGH STRENGTH
		NAS547	QUICK OPERATING HIGH STRENGTH
FASTENER, SELF-LOCKING	146008	MS14108	CASE MOUNTING ELECTRONIC EQUIP
		MS14109	W/HLDG CLAMP
FASTENER, SLIDE	146009	V-F-106	INTERLOCKING
		AN229	INTERLOCKING
FASTENER, SNAP	146010	MIL-F-10884	SNAP, GENL SPEC
		MS27977	LARGE CURTAIN
		MS27978	SMALL CURTAIN
		MS27979	MUDPRF CURTAIN TYPE

TABLE I. TITLE INDEX. (CONT)

MSE TITLE	TITLE CODE	BASE DOCUMENT NUMBER	BASE DOCUMENT COVERAGE
FASTENER, SNAP (CONT)	146010	MS27980	WIRE SPRING CLAMP, REGULAR
		MS27981	WIRE SPRING CLAMP, SMALL
		MS27982	PRONG, RING-HD
		MS27983	THREE WAY, LOCKING
		MS27984	SCALLOPED BUTTON HEAD
		MS27985	FUNNEL NECK BUTTON HEAD
		MS27986	RIVET TYPE
		MIL-F-51184	TUBULAR, SOLID OR BUTTON
		MIL-F-43573	PLASTIC
		MIL-S-1733	SUPPORT
FASTENER, SNAPSLIDE	146011	MS21323	CRES, STUD
		MS21324	BRASS, STUD
		MS21325	CRES, STUD
		MS21326	CRES, STUD
		MS21332	CRES, SLIDE
FASTENER, TAPE, HOOK	146016	MIL-F-21840	PILE SYNTHETIC
FASTENER, TAPE, HOOK AND PILE	146012	MIL-F-21840	SYNTHETIC
FASTENER, TAPE, PILE	146015	MIL-F-21840	HOOK SYNTHETIC

TABLE I. TITLE INDEX. (CONT)

MSE TITLE	TITLE CODE	BASE DOCUMENT NUMBER	BASE DOCUMENT COVERAGE
HANDLE, LATCHING	146023	NAS1637	CATCH
HINGE	146017	MS20001	STRUCTURAL EXTRUDED
HOLDER, SEMICONDUCTOR DEVICE	146018	MIL-S-19500	SEMICOND DEVICE GENL SPEC FOR
LATCH	146024	MIL-L-2898	DOOR, DRAWER
LOCK	146025	MIL-L-2898	DOOR, DRAWER
RECEPTACLE, PANEL FASTENER	146027	MIL-F-5591 NAS547	FLOATING, RIGID QUICK-OPERATING HIGH STRENGTH
RING, SNAP, PANEL FASTENER	146028	MIL-F-5591 NAS547	STUD RETAINER QUICK-OPERATING HIGH STRENGTH
STUD, PANEL FASTENER	146026	MIL-F-5591 NAS547	FLUSH, OVAL, WING HEAD QUICK-OPERATING HIGH STRENGTH

New page

2. REFERENCED DOCUMENTS

2.1 Issues of documents. The following documents of the issue in effect on date of invitation for bids or request for porposal, form a part of this standard to the extent specified herein.

SPECIFICATIONS

FEDERAL

QQ-P-416	Plating, Cadmium (electrodeposited)
V-F-106	Fasteners, Slide, Interlocking

MILITARY

MIL-F-5591	Fasteners, Panel
MIL-F-8490	Fastener, Case, for Equipment Rack System for Aircraft
MIL-F-10884	Fasteners, Snap
MIL-F-21840	Fastener Tapes, Hook and Pile, Synthetic
MIL-F-22978	Fastener, Rotary, Quick Operating, High Strength
MIL-F-25173	Fastener, Control Panel, Aircraft Equipment
MIL-F-43514	Fastener, Plastic, for Equipage Items
MIL-H-6875	Heat Treatment of Steels (Aircraft Practice) Process For

STANDARDS

FEDERAL

FED-STD-H28	Screw-Thread Standards for Federal Services
FED-STD-151	Metal, Test Methods

FED-STD-191	Textile Test Methods
FED-STD-406	Plastic, Methods of Testing
FED-STD-595	Colors

MILITARY

DOD-STD-35	Automated Engineering Document Preparation System
MIL-STD-130	Identification Marking of Military Property
MIL-STD-186	Protective Finishing Systems for Rockets, Guided MIssiles, Support Equipment and Related Materials
MIL-STD-810	Environmental Test Methods
MIL-STD-1312	Fasteners, Test Methods

(Copies of specifications, standards, drawings, and publications required by contractors in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

2.2 Other publications. The following documents form a part of this standard to the extent specified herein. Unless otherwise indicated, the issue in effect on date of invitation for bids or request for proposal shall apply.

ANSIB46.1	Surface Texture

(Application for copies should be addressed to American National Standards Institute (ANSI), 1430 Broadway, New York, N.Y. 10018.)

ASTMA370	Method and Definitions for Mechanical Testing of Steel Products
ASTMD2060	(Measuring Zippers, Standard Methods of Test For)
ASTME8	Tension Testing of Metallic Materials, Methods Of
ASTME10	Method of Test for Brinell Hardness of Metallic Materials

TABLE III. TABULATION CANDIDATES.

CODE	COLUMN HEADING	CODE	COLUMN HEADING	CODE	COLUMN HEADING
1600	TYPE (DES)	1601	CLASS DES	1603	STYLE DES
1604	SIZE (DES)	1605	FINISH DES	1606	MIN SHEAR LOAD RTG POUNDS
1607	MIN SHEAR LOAD RTG NEWTONS	1608	MIN TNSL LOAD RTG POUNDS	1609	MIN TNSL LOAD RTG NEWTONS
1630	SLIDE FASTENER SIZE	1686	RADIAL FLOAT	1750	THREAD CALL OUT
1840	MIN STUD PUSH-OUT LOAD POUNDS	1842	MIN STUD PUSH-OUT LOAD NEWTONS	1850	TOTAL PANEL(S) MATERIAL THICKNESS INCH(S)
1852	TOTAL PANEL(S) MATERIAL THICKNESS MM	2245	MAX OPER TNSL LOAD (NEWTONS)	2247	MAX OPER TNSL LOAD PCT OF RATED
2250	MAX OPER TNSL LOAD (POUNDS)	2252	ULT TNSL LOAD (POUNDS)	2253	ULT TNSL LOAD (NEWTONS)
2254	ULT TNSL LOAD (PCT OF RATED)	2256	ULT TNSL STRENGTH (POUNDS)	2258	ULT TNSL STRENGTH (NEWTONS)
2270	MAX OPER SHEAR LOAD (POUNDS)	2271	MAX OPER SHEAR LOAD (NEWTONS)	2272	ULT SHEAR LOAD (POUNDS)

TABLE III. TABULATION CANDIDATES. (CONT)

CODE	COLUMN HEADING	CODE	COLUMN HEADING	CODE	COLUMN HEADING
2273	ULT SHEAR LOAD (NEWTONS)	2280	TORQUE-OFF (POUND-INCHES)	2282	TORQUE-OFF (NEWTON METERS)
4904	MIN SERV TEMP RTG DEG C	4905	MAX SERV TEMP RTG DEG C	5046	NOM OPER TEMP RTG DEG C
5048	NOM SERV TEMP RTG DEG C	5069	MAX OPER TEMP RTG DEG C	6794	MAX OPER TEMP DEG C
6996	NOM WT PER UNIT OUNCES	6997	NOM WT PER UNIT POUNDS	6998	NOM MASS PER UNIT GRAMS
6999	NOM MASS PER UNIT KILOGRAMS	7021	MAX MASS PER UNIT GRAMS	7022	MAX WT PER UNIT OUNCES
7023	MAX WT PER UNIT POUNDS	7024	MAX MASS PER UNIT KILOGRAMS	7035	NOM WT PER 100, OUNCES
7036	NOM WT PER 100, POUNDS	7037	NOM MASS PER 100, GRAMS	7038	NOM MASS PER 100, KILOGRAMS
7041	MAX WT PER 100, OUNCES	7042	MAX WT PER 100, POUNDS	7043	MAX MASS PER 100, GRAMS
7044	MAX MASS PER 100, KILOGRAMS				

New page

CHAR
CODE STANDARD PARAGRAPH

CLASSIFICATION.

1600 TYPE. TYPE 1600 IN ACCORDANCE WITH THE BASE DOCUMENT SHALL APPLY.

1601 CLASS. CLASS 1601 IN ACCORDANCE WITH THE BASE DOCUMENT SHALL APPLY.

1603 STYLE. STYLE 1603 IN ACCORDANCE WITH THE BASE DOCUMENT SHALL APPLY.

1604 SIZE. SIZE 1604 IN ACCORDANCE WITH THE BASE DOCUMENT SHALL APPLY.

1605 FINISH. FINISH 1605 IN ACCORDANCE WITH THE BASE DOCUMENT SHALL APPLY.

RATINGS.

MINIMUM SHEAR LOAD RATING.

1606 THE MINIMUM SHEAR LOAD RATING SHALL BE 1606 POUNDS.

1607 THE MINIMUM SHEAR LOAD RATING SHALL BE 1607 NEWTONS.

MINIMUM TENSILE LOAD RATING.

1608 THE MINIMUM TENSILE LOAD RATING SHALL BE 1608 POUNDS.

1609 THE MINIMUM TENSILE LOAD RATING SHALL BE 1609 NEWTONS.

TEMPERATURE RATING.

4905 THE MAXIMUM SERVICE TEMPERATURE RATING SHALL BE 4905 DEGREES CELSIUS.

4904 THE MINIMUM SERVICE TEMPERATURE RATING SHALL BE 4904 DEGREES CELSIUS.

KEYWORD CODE INDEX (KCI)

CHARACTERISTIC NAME	CHAR CODE
RATINGS (CONT)	
TEMPERATURE RATING (CONT)	
NOMINAL OPERATING (DEGREES CELSIUS)	5046
NOMINAL STORAGE (DEGREES CELSIUS)	5048
MAXIMUM OPERATING (DEGREES CELSIUS)	5069
CONFIGURATION	
(ILLUSTRATION NUMBER), SEE APPENDIX A	1009
*UNITS (SELECT ONE)	
U.S. (SELECT ONE)	
INCHES.	7572
FEET.	7573
SI (SELECT ONE)	
CENTIMETERS.	7576
MILLIMETERS.	7577
ILLUSTRATIONS	
(NUMBER), SEE APPENDIX A	4950
NOTE: THIS CODE IS USED TO ENTER APPLICABLE ILLUSTRATIONS WHICH DO NOT HAVE DIMENSIONS.	

CHAR CODE	STANDARD PARAGRAPH
5046	THE NOMINAL OPERATING TEMPERATURE RATING SHALL BE 5046 DEGREES CELSIUS.
5048	THE NOMINAL STORAGE TEMPERATURE RATING SHALL BE 5048 DEGREES CELSIUS.
5069	THE MAXIMUM OPERATING TEMPERATURE RATING SHALL BE 5069 DEGREES CELSIUS.
	CONFIGURATION.
1009	CONFIGURATION ILLUSTRATION(S). THE CONFIGURATION SHALL BE AS SHOWN IN ILLUSTRATION(S) 1009.
7572	ALL DIMENSIONS, UNLESS OTHERWISE SPECIFIED, SHALL BE IN INCHES OR DEGREES.
7573	ALL DIMENSIONS, UNLESS OTHERWISE SPECIFIED, SHALL BE IN FEET OR DEGREES.
7576	ALL DIMENSIONS, UNLESS OTHERWISE SPECIFIED, SHALL BE IN CENTIMETERS OR DEGREES.
7577	ALL DIMENSIONS, UNLESS OTHERWISE SPECIFIED, SHALL BE IN MILLIMETERS OR DEGREES.
4950	ILLUSTRATION(S). ILLUSTRATION(S) 4950 SHALL APPLY TO AID IN THE DEFINITION OF PARAMETERS.

KEYWORD CODE INDEX (KCI)

CHARACTERISTIC NAME	CHAR CODE
TABULATED CHARACTERISTICS (SEE TABLE IV, DOD-STD-35)	
MATERIALS (SEE TABLES VI AND VII, DOD-STD-35)	
NOTE: AUTOMATIC WHEN TABLE VII IS USED.	
FINISHES (SEE TABLES VIII AND IX, DOD-STD-35)	
NOTE: AUTOMATIC WHEN TABLE IX IS USED.	
METALS	
DISSIMILAR METALS.	7580
DESIGN AND CONSTRUCTION	
HOOK TAPE (FASTENER TAPE)	
PER BASE DOCUMENT EXCEPT ____	1582
HOOK TAPE CONSTRUCTION AS FOLLOWS:	3000
YARN DIAMETER (SELECT ONE)	
(INCH)	3002
(MILLIMETER)	3004

CHAR CODE	STANDARD PARAGRAPH
1772	TAPE ENDS SHALL BE IMPREGNATED TO PREVENT RAVELING OR FRAYING.
1774	TAPE ENDS SHALL BE PINKED TO PREVENT RAVELING OR FRAYING.
	FABRIC COLOR.
1776	THE FABRIC COLOR SHALL BE 1776.
1778	THE FABRIC COLOR SHALL BE NUMBER 1778 IN ACCORDANCE WITH FED-STD-595.
1782	THE COLOR SHALL BE 1782.
	HAND OF SEPARATING UNIT.
1790	THE SEPARATING UNIT OF THE SLIDE FASTENER SHALL BE RIGHT-HAND.
1792	THE SEPARATING UNIT OF THE SLIDE FASTENER SHALL BE LEFT-HAND.
	SPECIAL TOOLS.
1794	SPECIAL TOOLS FOR INSTALLATION OR OPERATION OF THE FASTENER ARE NOT REQUIRED.
1796	SPECIAL TOOLS FOR INSTALLATION OR OPERATION OF THE FASTENER ARE REQUIRED.
1798	SPECIAL TOOLS FOR INSTALLATION, OPERATION, REMOVAL OR REPLACEMENT SHALL BE FURNISHED BY THE SUPPLIER.

KEYWORD CODE INDEX (KCI)

CHARACTERISTIC NAME	CHAR CODE
DESIGN AND CONSTRUCTION (CONT)	
MINIMUM STUD PUSH-OUT LOAD (SELECT ONE)	
(POUNDS)	1840
(NEWTONS)	1842
TOTAL PANEL(S) MATERIAL THICKNESS (SELECT ONE)	
(INCHES)	1850
(MILLIMETERS)	1852
RADIAL FLOAT	
(SPECIFY)	1686
TEMPERATURE	
MAXIMUM OPERATING (DEGREES CELSIUS)	6794
MINIMUM OPERATING (DEGREES CELSIUS)	6799

New page

CHAR CODE	STANDARD PARAGRAPH
1840	THE STUD PUSH-OUT LOAD SHALL BE NOT LESS THAN 1840 POUNDS.
1842	THE STUD PUSH-OUT LOAD SHALL BE NOT LESS THAN 1842 NEWTONS.
1850	THE TOTAL PANEL(S) MATERIAL THICKNESS SHALL BE 1850 INCH(S).
1852	THE TOTAL PANEL(S) MATERIAL THICKNESS SHALL BE 1852 MILLIMETERS.
1686	THE RADIAL FLOAT SHALL BE 1686.
6794	MAXIMUM OPERATING TEMPERATURE. THE OPERATING TEMPERATURE SHALL BE NOT GREATER THAN 6794 DEGREES CELSIUS.
6799	MINIMUM OPERATING TEMPERATURE. THE OPERATING TEMPERATURE SHALL BE NOT GREATER THAN 6799 DEGREES CELSIUS.

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KEYWORD CODE INDEX (KCI)

CHARACTERISTIC NAME	CHAR CODE
DESIGN AND CONSTRUCTION (CONT)	
WEIGHT/MASS	
MAXIMUM WEIGHT/MASS PER UNIT (SELECT ONE)	
U.S. (SELECT ONE)	
(OUNCES)	7022
(POUNDS)	7023
SI (SELECT ONE)	
(GRAMS)	7021
(KILOGRAMS)	7024
MAXIMUM WEIGHT/MASS PER 100 (SELECT ONE)	
U.S. (SELECT ONE)	
(OUNCES)	7041
(POUNDS)	7042
SI (SELECT ONE)	
(GRAMS)	7043
(KILOGRAMS)	7044

CHAR CODE	STANDARD PARAGRAPH
6318	TEMPERATURE, LOW. THE REQUIREMENT(S) SHALL BE IN ACCORDANCE WITH THE BASE DOCUMENT, EXCEPT 6318.
6319	TEMPERATURE, LOW. THERE SHALL BE NO EVIDENCE OF PHYSICAL DAMAGE.
6231	TEMPERATURE, LOW. TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE BASE DOCUMENT, EXCEPT 6231.
6232	TEMPERATURE, LOW. TESTING SHALL BE PERFORMED IN ACCORDANCE WITH METHOD 502 OF MIL-STD-810.
6234	STORAGE TEMPERATURE SHALL BE 6234 DEGREES CELSIUS.
6235	STORAGE DURATION SHALL BE 6235 HOUR(S).
6236	LOWEST OPERATING TEMPERATURE SHALL BE 6236 DEGREES CELSIUS.
6237	CHAMBER AIR VELOCITY SHALL BE 6237 FEET PER SECOND.
6238	CHAMBER AIR VELOCITY SHALL BE 6238 METERS PER SECOND.
6315	OPERATING TIME SHALL BE 6315 MINUTE(S).
6316	OPERATING TIME SHALL BE 6316 HOUR(S).

KEYWORD CODE INDEX (KCI)

CHARACTERISTIC NAME	CHAR CODE
TENSILE STRENGTH	
REQUIREMENTS (SELECT ONE)	
PER BASE DOCUMENT EXCEPT ____	2248
AS FOLLOWS:	2249
MAXIMUM OPERATING TENSILE LOAD (SELECT ONE)	
(POUNDS)	2250
(NEWTONS)	2245
(PERCENT OF RATED)	2247
ULTIMATE TENSILE LOAD (SELECT ONE)	
(POUNDS)	2252
(NEWTONS)	2253
(PERCENT OF RATED)	2254
ULTIMATE TENSILE STRENGTH (SELECT ONE)	
(POUNDS)	2256
(NEWTONS)	2258
TEST METHODS (SELECT ONE)	
PER BASE DOCUMENT EXCEPT ____	2242
PER DOCUMENT (DOC DES)	2244

CHAR CODE	STANDARD PARAGRAPH
2248	TENSILE STRENGTH. THE REQUIREMENT(S) SHALL BE IN ACCORDANCE WITH THE BASE DOCUMENT, EXCEPT 2248.
2249	TENSILE STRENGTH. THE REQUIREMENT(S) SHALL BE AS FOLLOWS:
2250	THE OPERATING TENSILE LOAD SHALL BE NOT GREATER THAN 2250 POUNDS.
2245	THE OPERATING TENSILE LOAD SHALL BE NOT GREATER THAN 2245 NEWTONS.
2247	THE OPERATING TENSILE LOAD SHALL BE NOT GREATER THAN 2247 PERCENT OF RATED TENSILE LOAD.
2252	THE ULTIMATE TENSILE LOAD SHALL BE 2252 POUNDS.
2253	THE ULTIMATE TENSILE LOAD SHALL BE 2253 NEWTONS.
2254	THE ULTIMATE TENSILE LOAD SHALL BE 2254 PERCENT OF RATED TENSILE LOAD.
2256	THE ULTIMATE TENSILE STRENGTH SHALL BE 2256 POUNDS.
2258	THE ULTIMATE TENSILE STRENGTH SHALL BE 2258 NEWTONS.
2242	TENSILE STRENGTH. TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE BASE DOCUMENT, EXCEPT 2242.
2244	TENSILE STRENGTH. TESTING SHALL BE PERFORMED IN ACCORDANCE WITH 2244.

KEYWORD CODE INDEX (KCI)

CHARACTERISTIC NAME	CHAR CODE
TENSILE STRENGTH (CONT)	
PER DOCUMENT (CONT)	
NOMINAL TENSION LOAD RATE (SELECT ONE)	
(POUNDS PER SQUARE INCH PER MINUTE)	2233
(KILOPASCALS PER MINUTE)	2234
SPECIMEN DESCRIPTION (WRITE-IN)	2235
TEST TEMPERATURE (DEGREES CELSIUS)	2236
TEMPERATURE TOLERANCE (DEGREES CELSIUS)	2237
TEMPERATURE DURATION (MINUTES)	2238
TEST FIXTURE TYPE (DESIGNATION)	2239
THICKNESS OF METALLIC COATINGS	
REQUIREMENTS (SELECT ONE)	
PER BASE DOCUMENT EXCEPT ____	2730
NOTE: REQUIREMENTS FOR PLATING THICKNESS AND OTHER PARAMETERS MAY BE SPECIFIED IN THE FINISH TABLE OF DOD-STD-35.	
TEST METHODS (SELECT ONE)	
PER BASE DOCUMENT EXCEPT ____	2740
PER MIL-STD-1312, TEST 12.	2742

CHAR CODE	STANDARD PARAGRAPH
2233	THE TENSION LOAD SHALL BE 2233 POUNDS PER SQUARE INCH PER MINUTE.
2234	THE TENSION LOAD SHALL BE 2234 KILOPASCALS PER MINUTE.
2235	THE SPECIMEN SHALL BE 2235.
2236	THE TEST TEMPERATURE SHALL BE 2236 DEGREES CELSIUS.
2237	THE TEST TEMPERATURE TOLERANCE SHALL BE 2237 DEGREES CELSIUS.
2238	THE TEST TEMPERATURE DURATION SHALL BE 2238 DEGREES CELSIUS.
2239	THE TEST FIXTURE TYPE SHALL BE 2239.
2730	THICKNESS OF METALLIC COATINGS. THE REQUIREMENT(S) SHALL BE IN ACCORDANCE WITH THE BASE DOCUMENT, EXCEPT 2730.
2740	THICKNESS OF METALLIC COATINGS. TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE BASE DOCUMENT, EXCEPT 2740.
2742	THICKNESS OF METALLIC COATINGS. TESTING SHALL BE PERFORMED IN ACCORDANCE WITH TEST NUMBER 12 OF MIL-STD-1312.

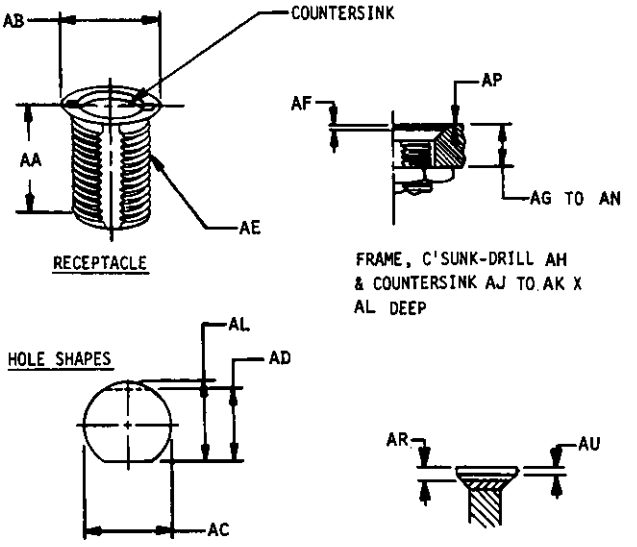
KEYWORD CODE INDEX (KCI)

CHARACTERISTIC NAME	CHAR CODE
THICKNESS OF METALLIC COATINGS (CONT)	
PER MIL-STD-1312, TEST 12. (CONT)	
METHODS	
DROP.	2744
MAGNETIC.	2746
EDDY CURRENT.	2748
MICROSCOPIC.	2750
DIMENSIONAL CHANGE.	2752
ANODIC DISSOLUTION.	2754
STRIP AND WEIGH.	2756
TORQUE	
REQUIREMENTS (SELECT ONE)	
PER BASE DOCUMENT EXCEPT ____	2288
AS FOLLOWS:	2289
TORQUE-OFF (SELECT ONE)	
(POUND-INCHES)	2280
(NEWTON METERS)	2282
LOCKING TORQUE	
MINIMUM (SELECT ONE)	
(POUND-INCHES)	2290
(NEWTON METERS)	2291

CHAR CODE	STANDARD PARAGRAPH
2744	TEST METHOD SHALL BE DROP.
2746	TEST METHOD SHALL BE MAGNETIC.
2748	TEST METHOD SHALL BE EDDY CURRENT.
2750	TEST METHOD SHALL BE MICROSCOPIC.
2752	TEST METHOD SHALL BE DIMENSIONAL CHANGE.
2754	TEST METHOD SHALL BE ANODIC DISSOLUTION.
2756	TEST METHOD SHALL BE STRIP AND WEIGH.
2288	TORQUE. THE REQUIREMENT(S) SHALL BE IN ACCORDANCE WITH THE BASE DOCUMENT, EXCEPT 2288.
2289	TORQUE. THE REQUIREMENT(S) SHALL BE AS FOLLOWS:
2280	THE TORQUE-OFF VALUE SHALL BE 2280 POUND-INCHES.
2282	THE TORQUE-OFF VALUE SHALL BE 2282 NEWTON METERS.
2290	THE LOCKING TORQUE SHALL BE NOT LESS THAN 2290 POUND-INCHES.
2291	THE LOCKING TORQUE SHALL BE NOT LESS THAN 2291 NEWTON METERS.

KEYWORD CODE INDEX (KCI)

CHARACTERISTIC NAME	CHAR CODE
TORQUE (CONT)	
LOCKING TORQUE (CONT)	
MAXIMUM (SELECT ONE)	
(POUND-INCHES)	2292
(NEWTON METERS)	2293
UNLOCKING TORQUE	
MINIMUM (SELECT ONE)	
(POUND-INCHES)	2294
(NEWTON METERS)	2295
MAXIMUM (SELECT ONE)	
(POUND-INCHES)	2296
(NEWTON METERS)	2297
FASTENER TORQUE STRENGTH	
MINIMUM (SELECT ONE)	
(POUND-INCHES)	2299
(NEWTON METERS)	2298



146-03-4

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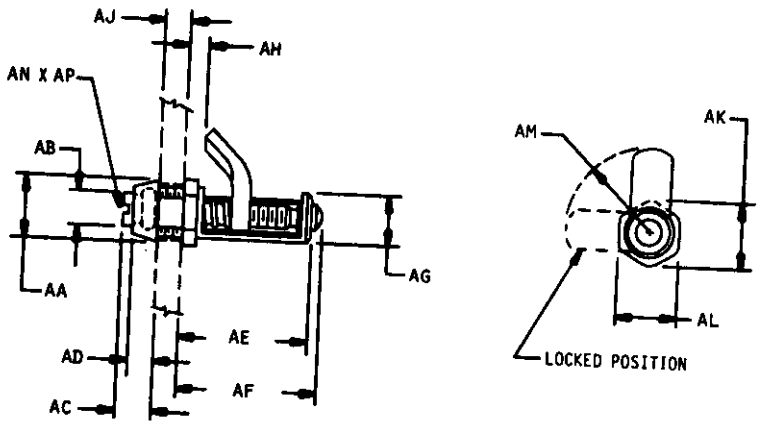

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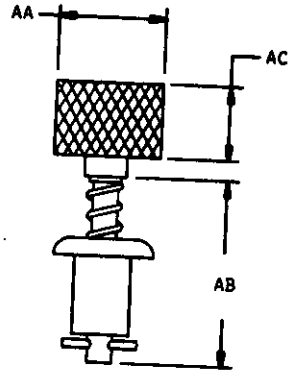

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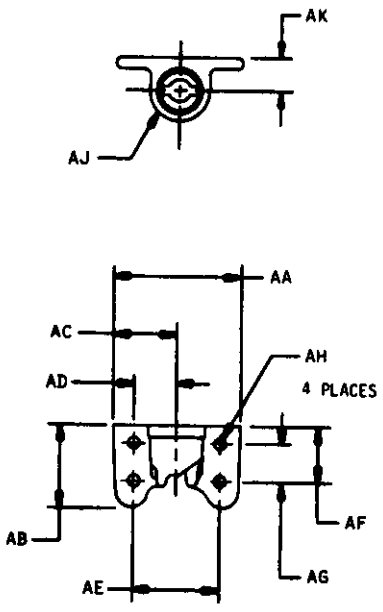

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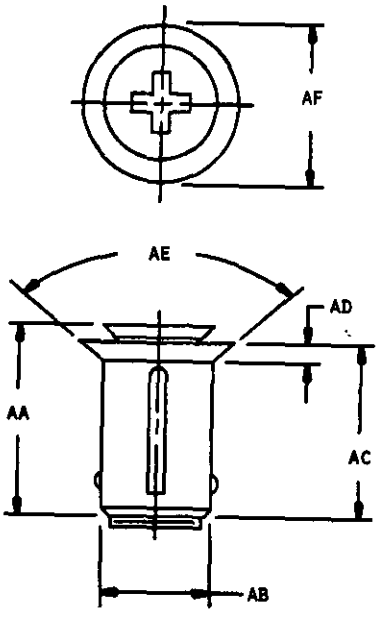

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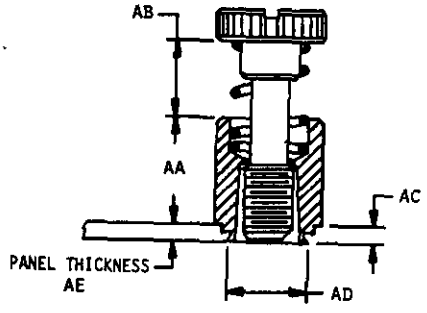

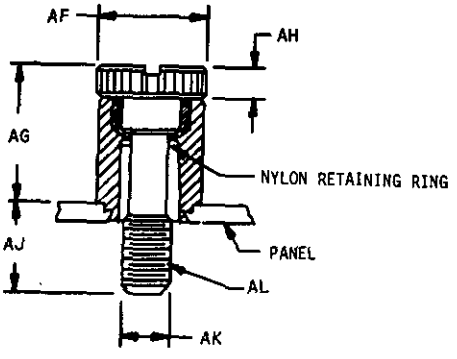

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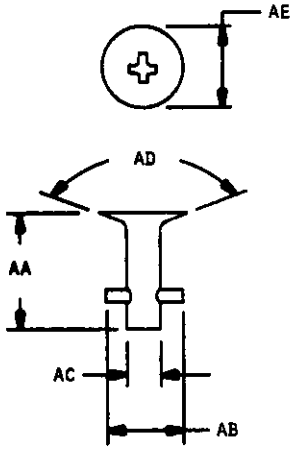

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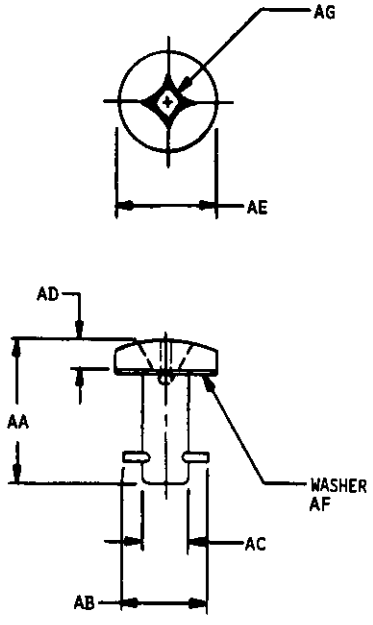

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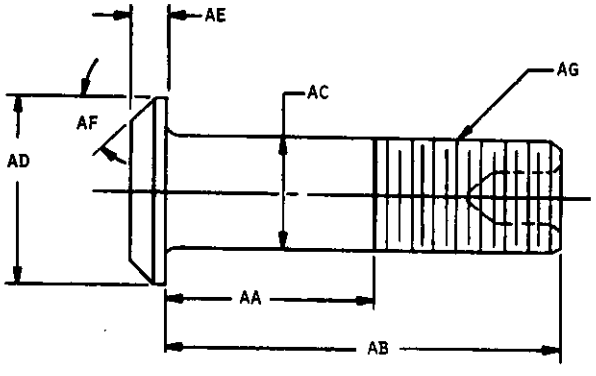

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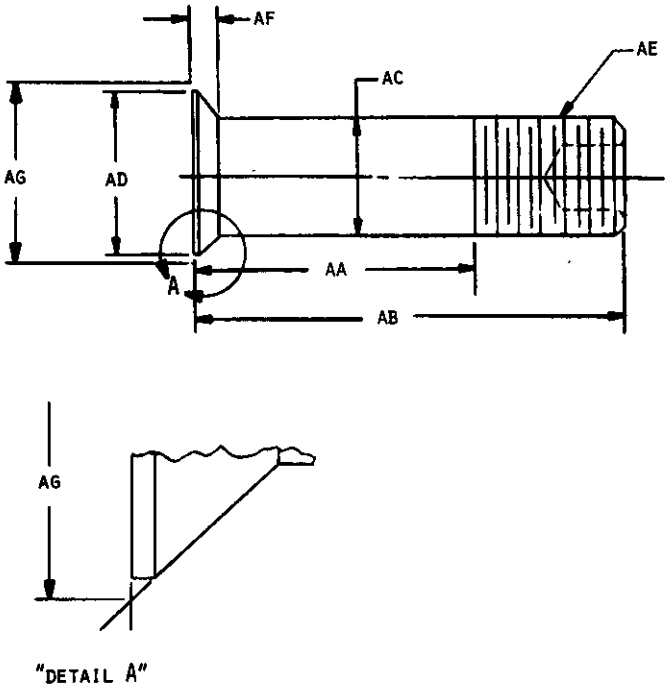

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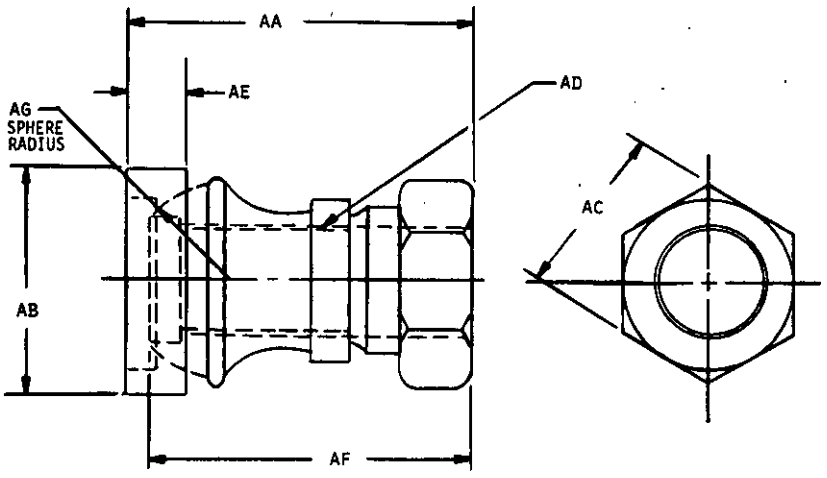

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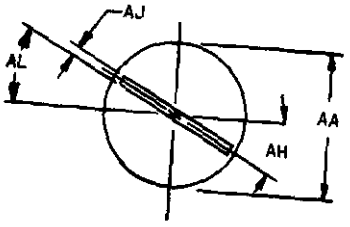

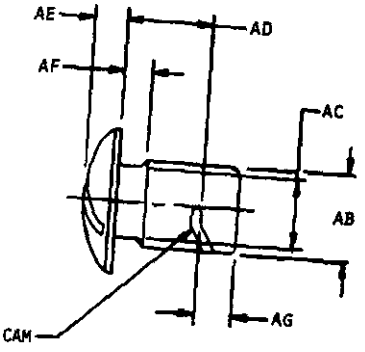

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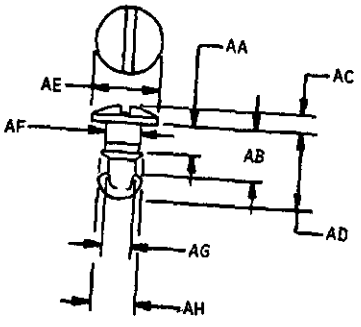

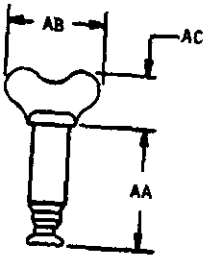

146-14-56

146-14-57

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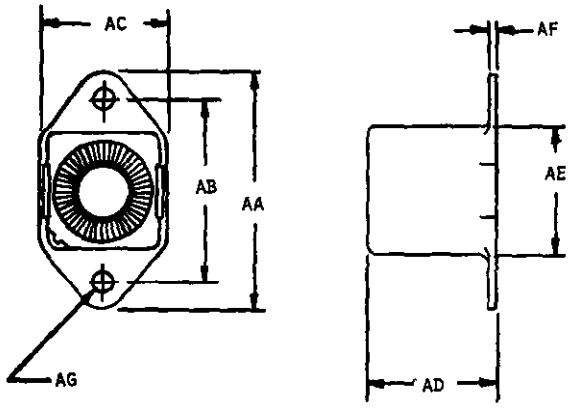

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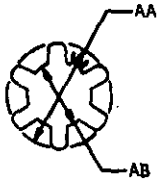

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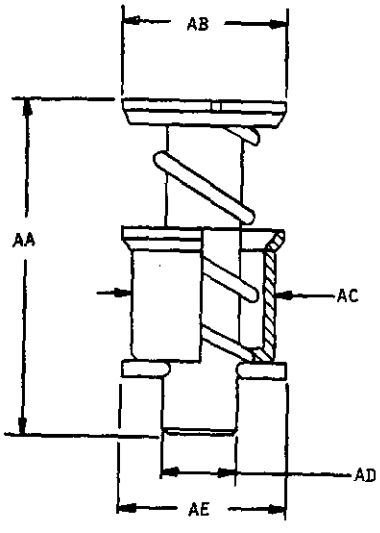

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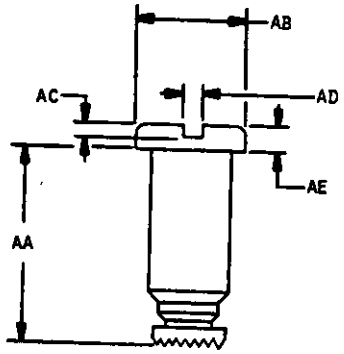

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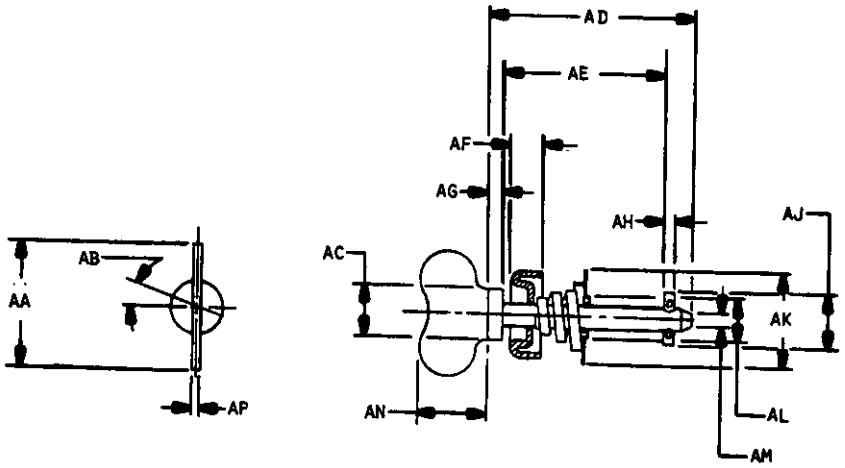

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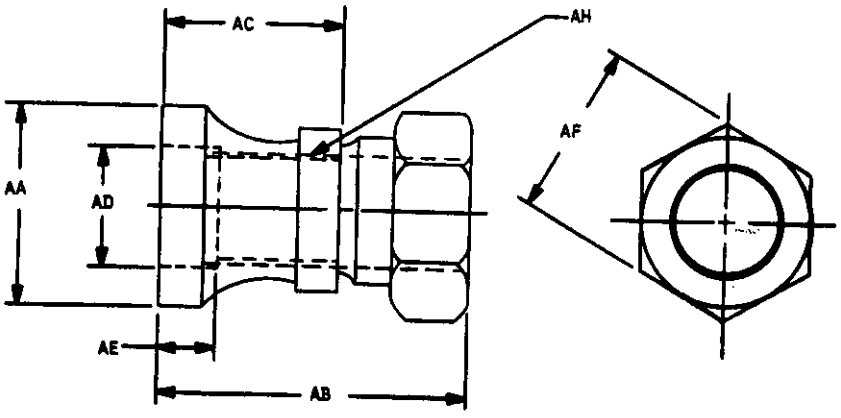

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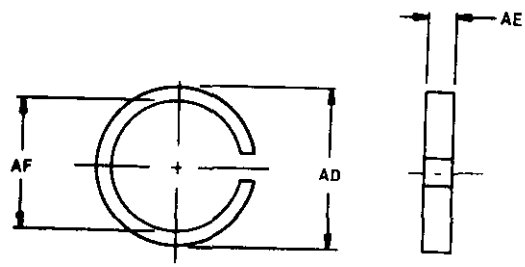

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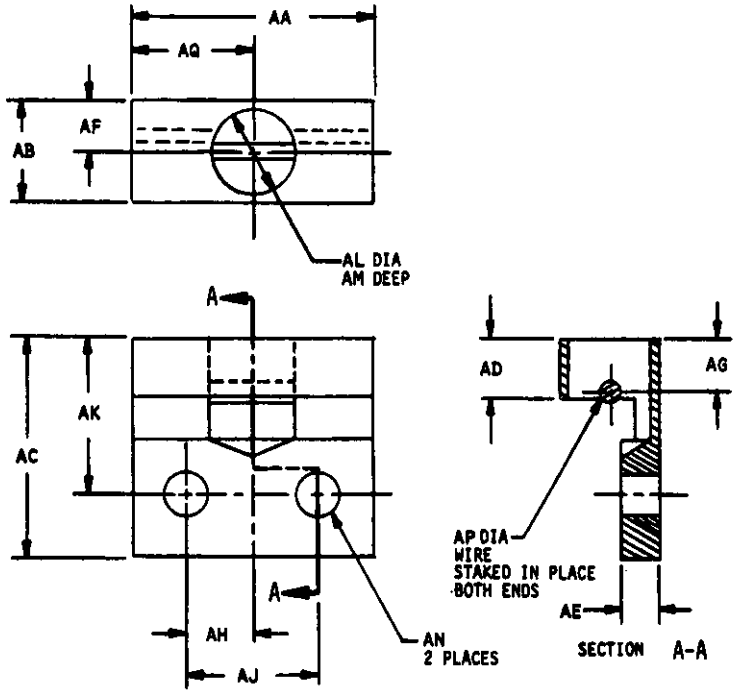

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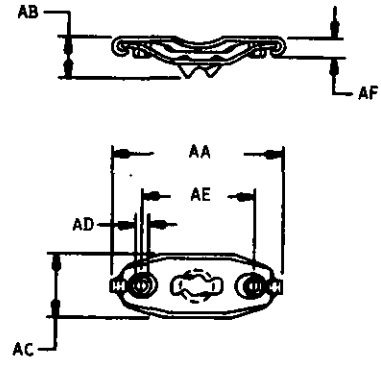

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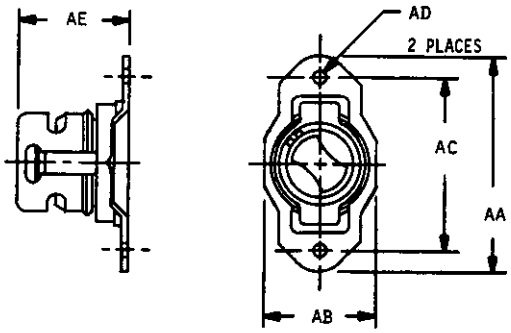

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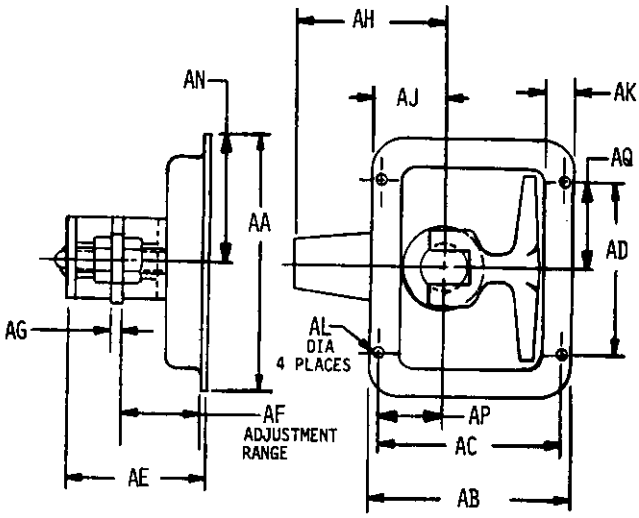

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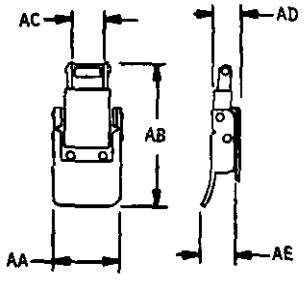

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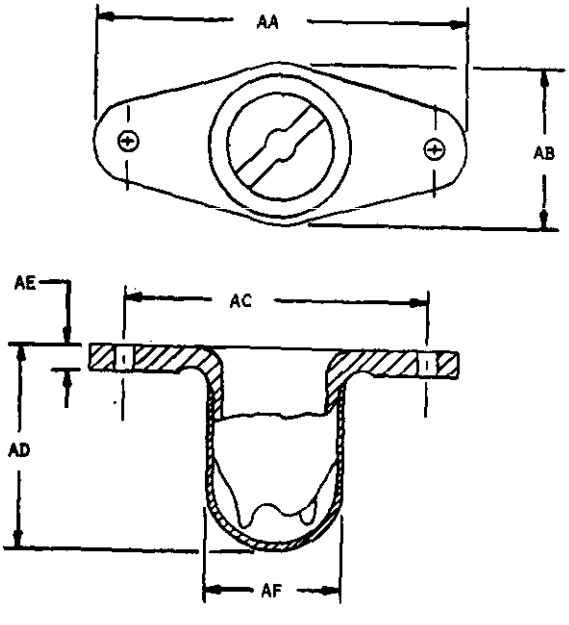

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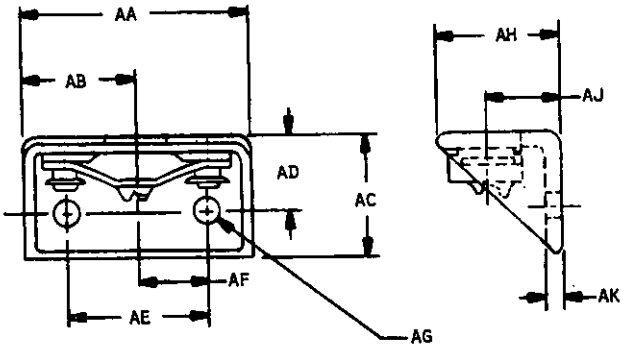

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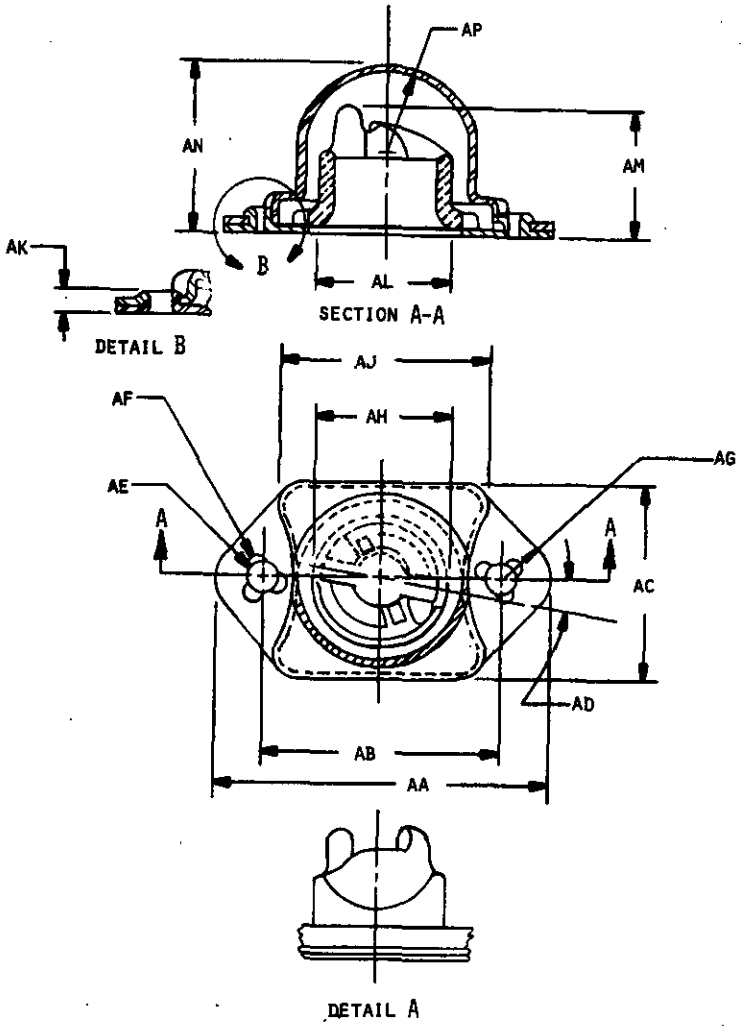

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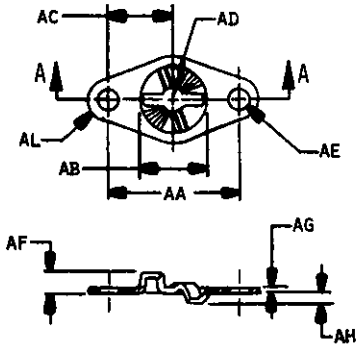
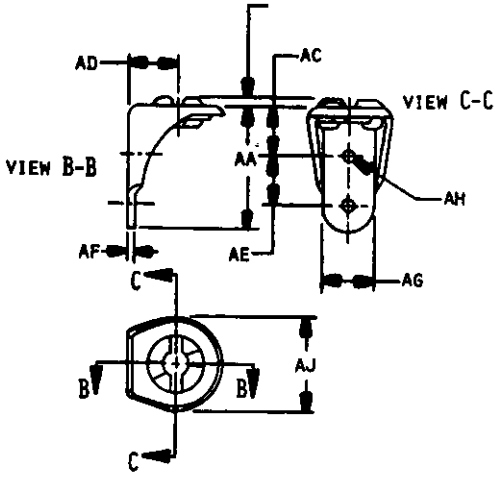


SECTION A-A

146-22-8



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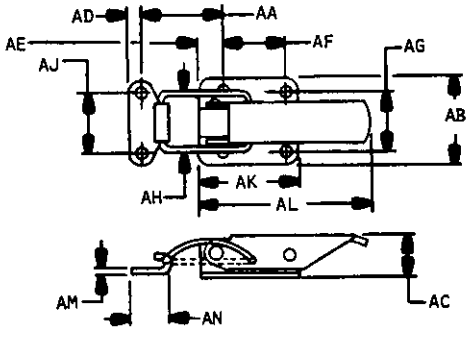

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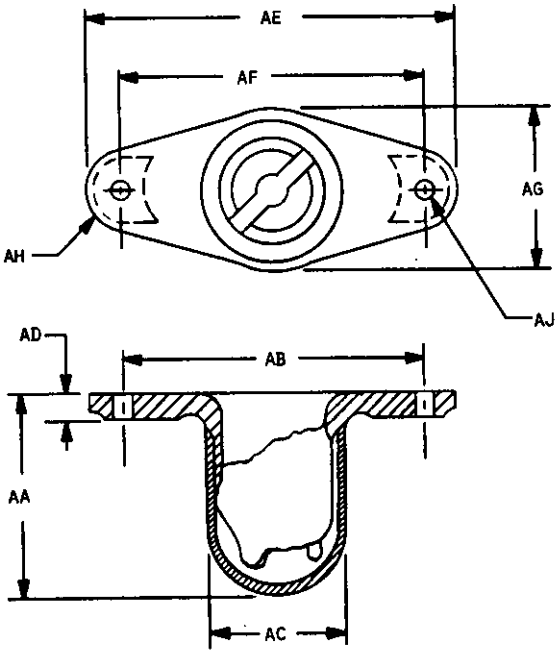

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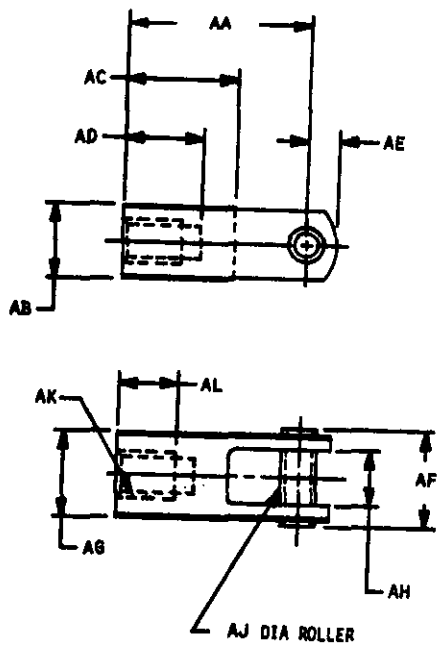

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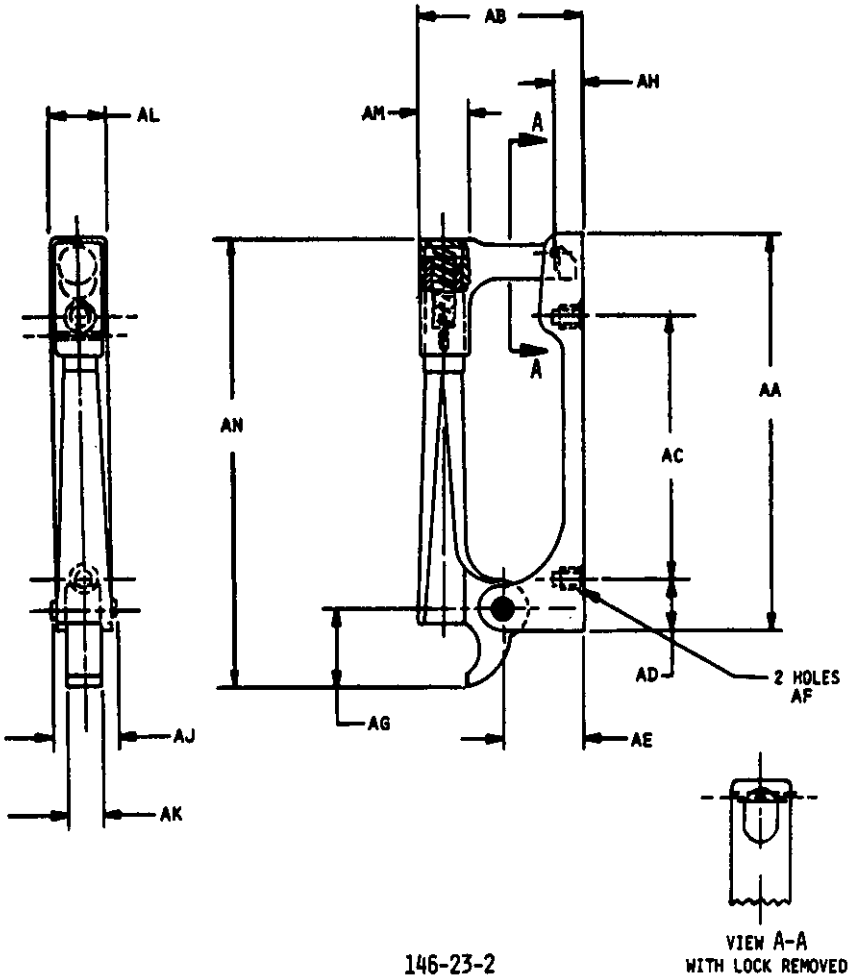

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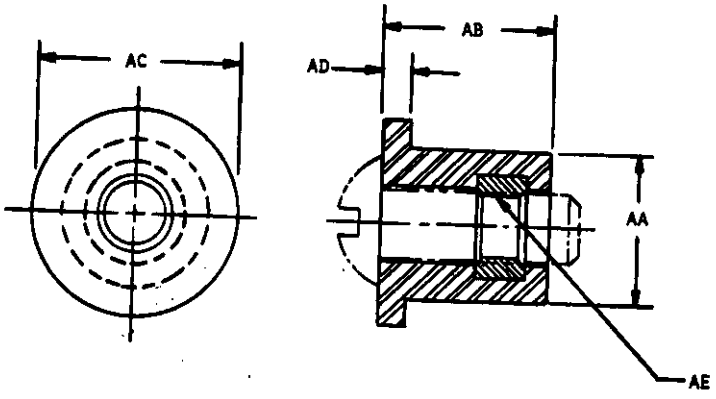

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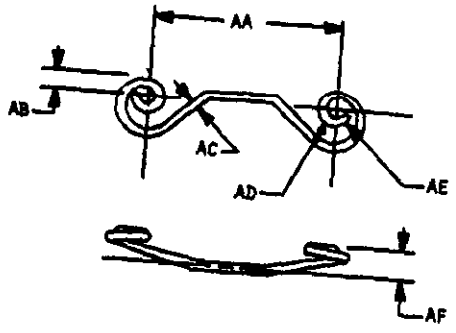

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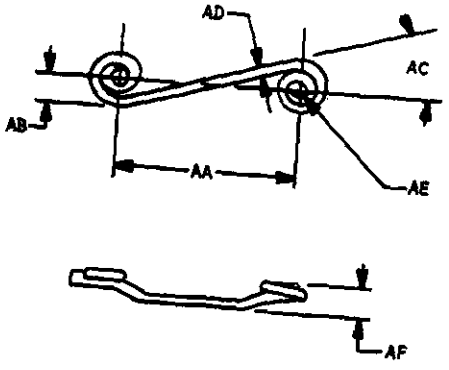

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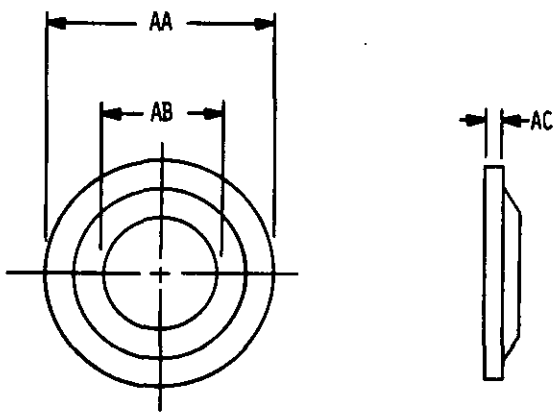

146-26-1

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APPENDIX B

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2071	52	2224	66	2296	106	2422	86
2072	52	2228	66	2297	106	2424	86
2074	54	2232	66	2298	106	2426	86
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2104	56	2234	102	2302	112	2429	86
2108	54	2235	102	2304	112	2432	84
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2110	54	2237	102	2306	112	2435	86
2111	54	2238	102	2307	114	2442	58
2112	54	2239	102	2308	114	2444	58
2122	56	2242	100	2312	112	2446	58
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2125	56	2245	100	2314	112	2450	58
2127	56	2247	100	2316	112	2452	58
2129	56	2248	100	2342	52	2454	58
2134	56	2249	100	2344	52	2456	58
2135	56	2250	100	2348	52	2458	58
2137	56	2252	100	2350	52	2460	60
2139	56	2253	100	2352	52	2462	60
2141	56	2254	100	2360	108	2464	60
2147	56	2256	100	2362	108	2466	60
2149	56	2258	100	2366	108	2468	60
2152	112	2262	82	2368	108	2472	58
2154	112	2264	82	2376	92	2473	58
2158	110	2268	82	2378	92	2475	58
2160	110	2269	82	2379	94	2477	58
2172	68	2270	82	2380	94	2479	72
2174	68	2271	82	2384	92	2480	72
2178	68	2272	82	2386	92	2482	72
2179	68	2273	82	2392	70	2486	72
2192	50	2280	104	2394	70	2488	72
2194	50	2282	104	2395	70	2492	92
2196	50	2288	104	2397	68	2494	92
2198	52	2289	104	2398	68	2496	92
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2584	80	3000	24	4791	62	6334	64
2585	80	3002	24	4798	62	6335	64
2586	80	3004	24	4799	62	6336	64
2587	80	3006	26	4800	64	6337	64
2588	80	3007	26	4815	62	6338	88
2589	80	3008	26	4871	64	6339	90
2592	80	3010	26	4904	20	6340	90
2594	80	3012	26	4905	20	6341	90
2598	80	3014	26	4916	64	6342	90
2599	80	3016	26	4950	22	6343	90
2700	94	3018	26	4998	76	6344	90
2702	94	3020	26	4999	76	6345	90
2704	94	3030	26	5046	22	6346	90
2706	94	3032	28	5048	22	6347	90
2708	94	3034	28	6217	96	6348	90
2720	94	3036	28	6218	96	6349	90
2722	94	3038	28	6219	96	6369	16
2730	102	3040	28	6220	96	6372	114
2740	102	3042	28	6221	96	6870	114
2742	102	3044	28	6222	96	6873	16
2744	104	3046	28	6224	96	6874	18
2746	104	3048	28	6225	96	6941	18
2748	104	4681	108	6228	96	6942	18
2750	104	4716	64	6229	96	6991	116
2752	104	4754	62	6231	98	6992	116
2754	104	4755	62	6232	98	6993	116
2756	104	4756	62	6234	98	6994	116
2770	62	4760	60	6235	98	6995	116
2772	62	4761	60	6236	98	6996	46
2780	62	4762	60	6237	98	6997	46
2782	62	4764	64	6238	98	6998	46
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2870	88	4775	78	6246	78	7001	114
2872	88	4777	64	6247	78	7002	114
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2876	88	4779	76	6315	98	7004	114
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* U.S. GOVERNMENT PRINTING OFFICE: 1983-605-034:1864

The digital copy of DOD-STD-35-23A(MI), Change Notice 1, dated 14 January 1983 does not include the foldout page for the Specification Requirement Sheet (SRS). If you need a copy it must be ordered separately, please fax this page to 215-697-9398 and include your complete mailing address below.

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The digital copy of DOD-STD-35-23A(MI), Change Notice 1, dated 14 January 1983 does not include the foldout page for the Specification Requirement Sheet (SRS). If you need a copy it must be ordered separately, please fax this page to 215-697-9398 and include your complete mailing address below.

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