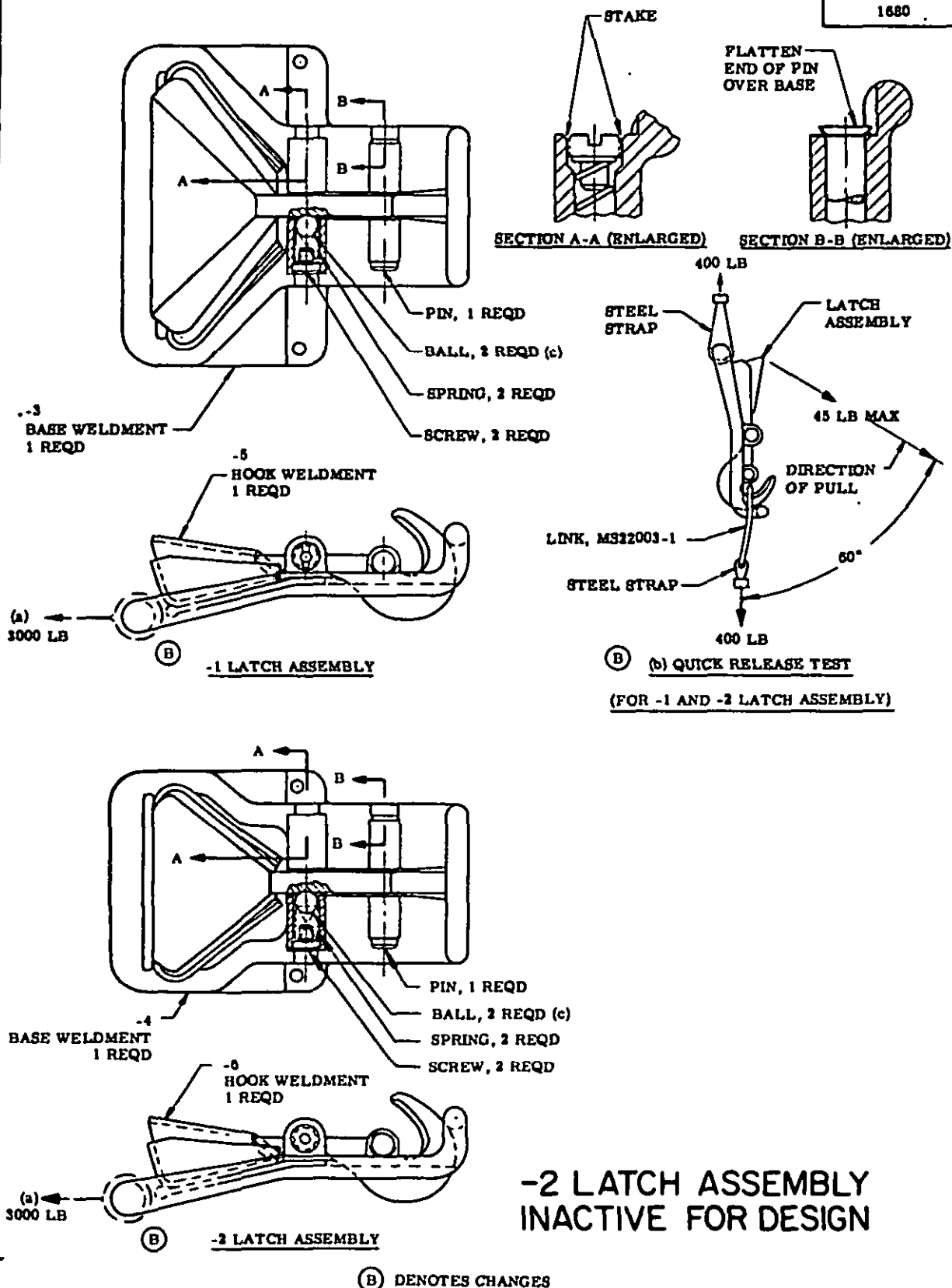


FED. SUP CLASS
1680

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P.A. NAVY - AS Other Cases ARMY - AV AF - 99	TITLE LATCH, LAP BELT, AIRCRAFT SAFETY, QUICK RELEASE	MILITARY STANDARD MS3488 (B) SHEET 1 OF 7
PROCUREMENT SPECIFICATION	SUPERSEDES: ACEL 5-782 & 02A133DI	PROJECT NO. 1680-0475

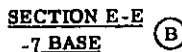
DD FORM 672-1 (Coordinated) (B)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PLATE NO. 22371

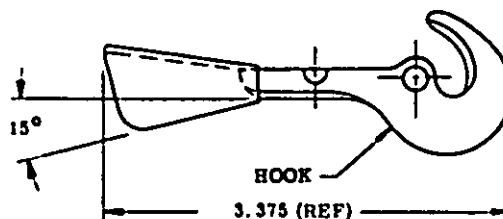
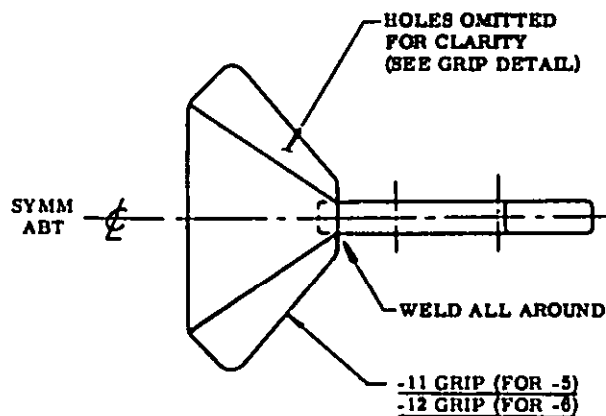
PROJECT NO. 1680-0475

APPROVED 3 JULY 1969 REVISED (A) 19 AUG 1970 (B) 19 NOV 1980

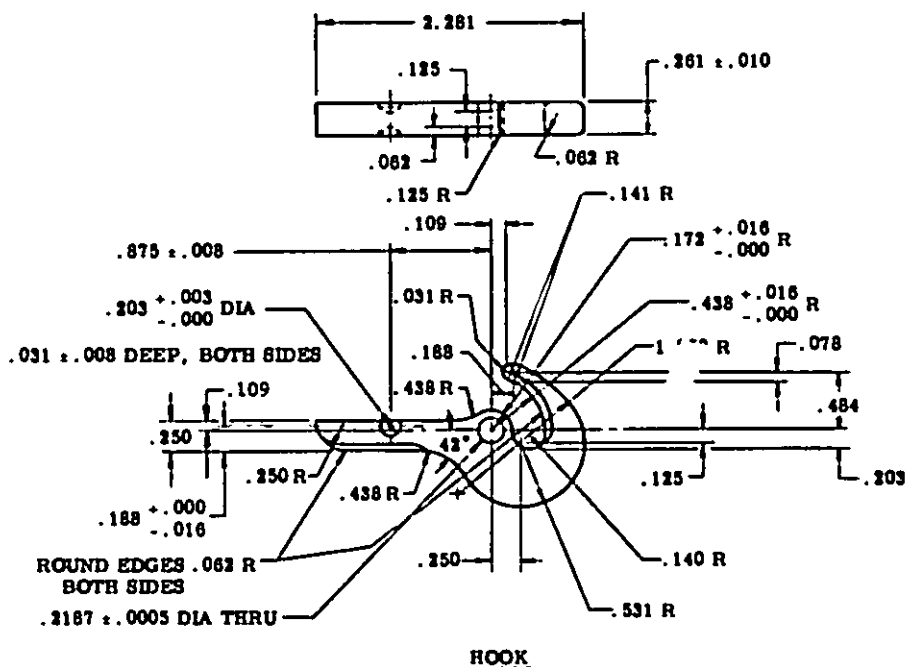


P.A. NAVY - AS Other Cust ARMY - AV AF - 99	TITLE LATCH, LAP BELT, AIRCRAFT SAFETY, QUICK RELEASE	MILITARY STANDARD MS3488 (B)
PROCUREMENT SPECIFICATION	SUPERSEDES: ACEL 5-782 & 62A133D1	SHEET 2 of 7

APPROVED 3 July 1969 REVISED (B) FOR CHARGES SEE SHEETS 1, 2, 3, 5, 6 & 7

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(B) -5 HOOK WELDMENT (-1 ASSY)
-6 HOOK WELDMENT (-2 ASSY)



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P.A. NAVY - AS
 Other Cast
 ARMY - AV
 AF - 99

TITLE

LATCH, LAP BELT, AIRCRAFT SAFETY, QUICK RELEASE

MILITARY STANDARD

MS3488 (B)

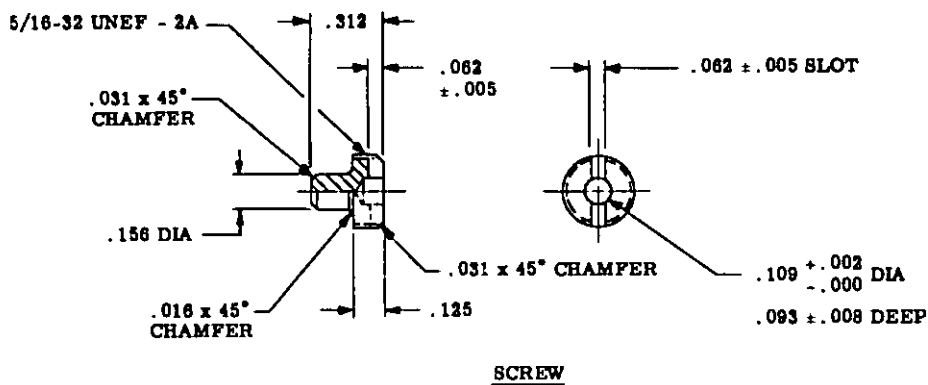
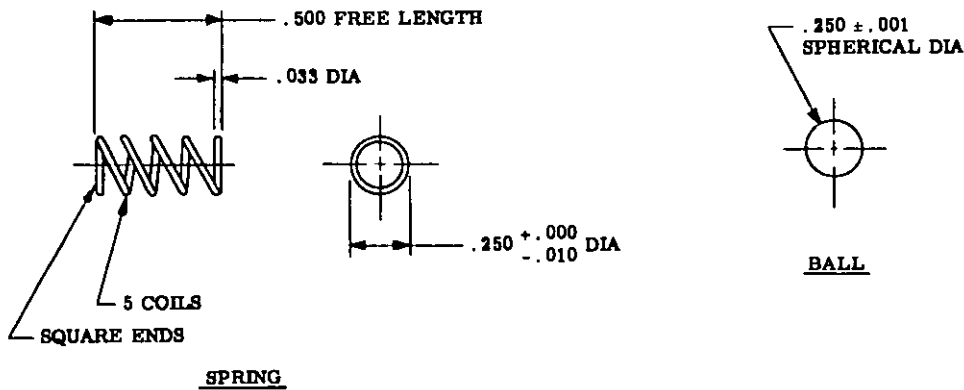
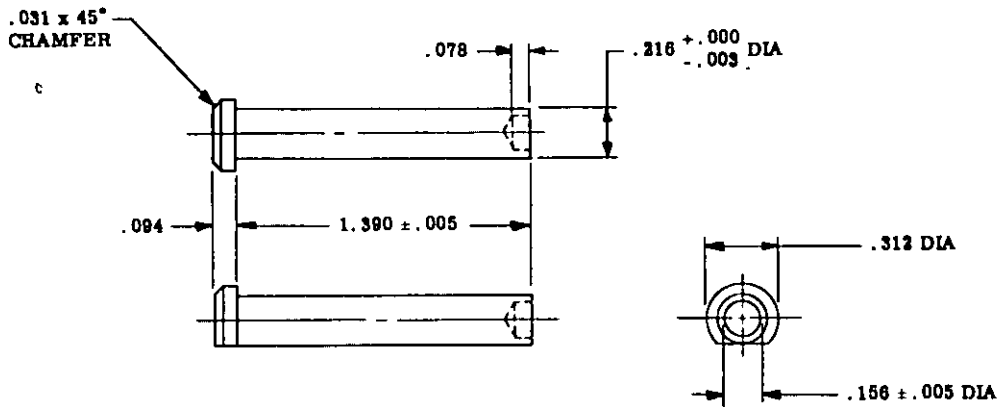
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SUPERSEDES

ACEL 5-782 & 62A133D1

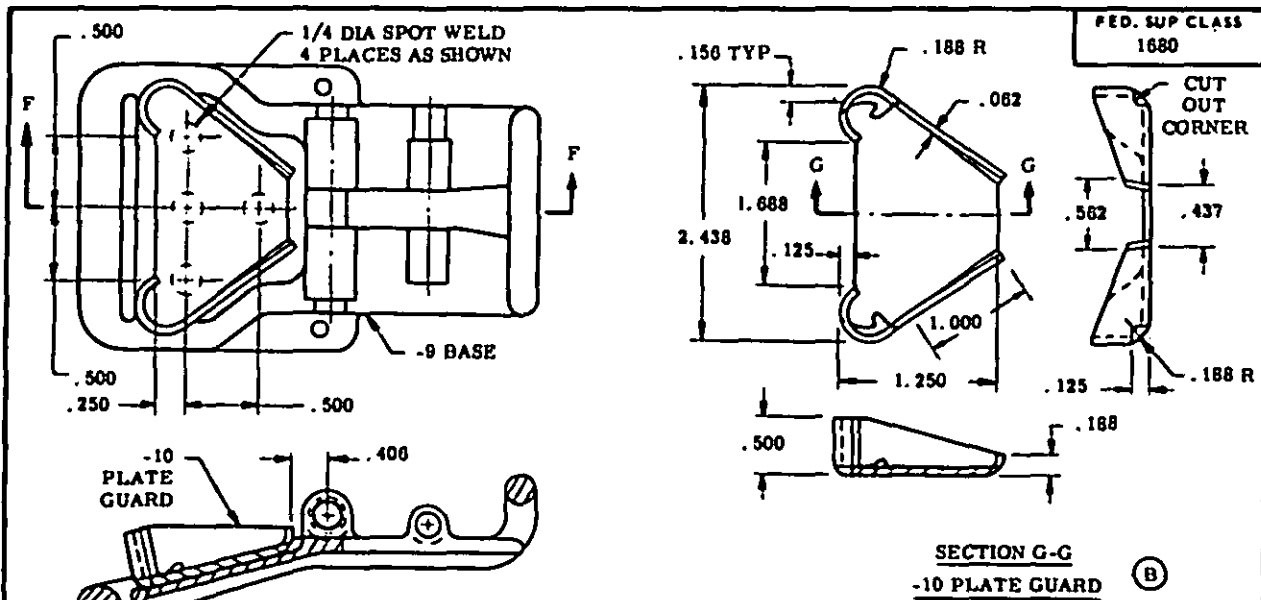
SHEET

3 OF 7

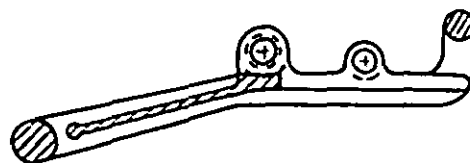
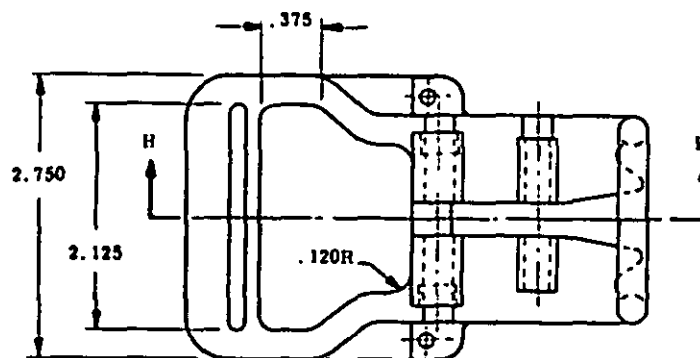
FED. SUP CLASS
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APPROVED 3 July 1969 REVISED (B) FOR CHANGES SEE SHEETS 1, 2, 3, 5, 6 & 7

P.A. NAVY - AS Other Cust ARMY - AV AF - 99	TITLE LATCH, LAP BELT, AIRCRAFT SAFETY, QUICK RELEASE	MILITARY STANDARD MS3488 (B)
PROCUREMENT SPECIFICATION	SUPERSEDES: ACEL 5-782 & 62A133D1	SHEET 4 OF 7



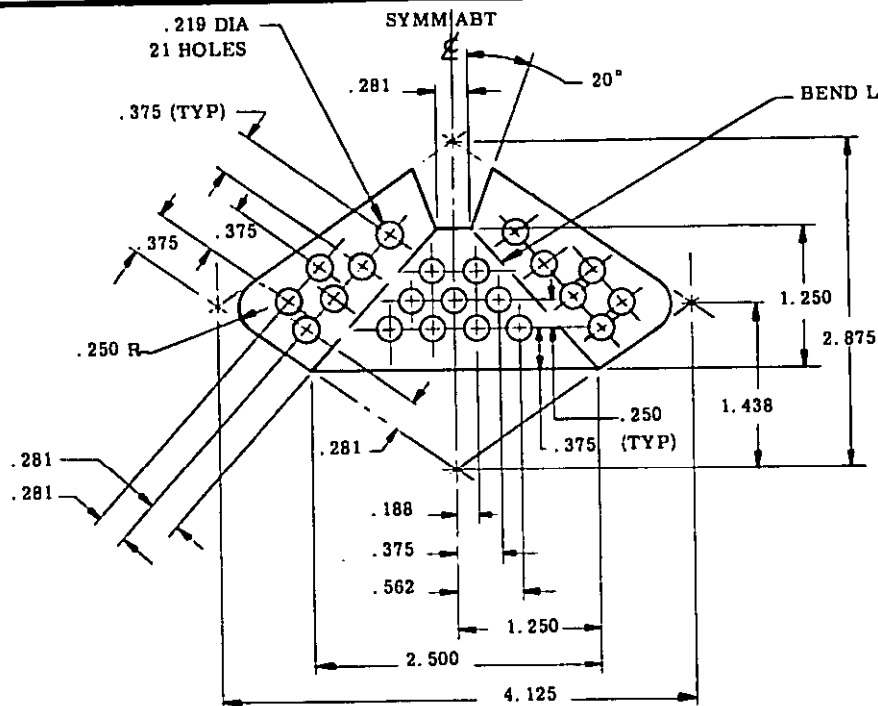
(B) SECTION F-F
-4 BASE WELDMENT (FOR -2 ASSY)



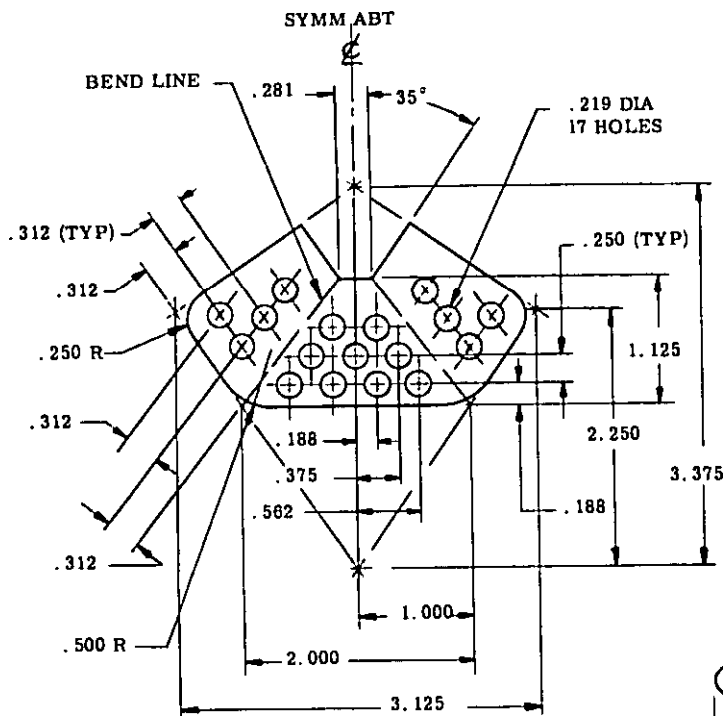
SECTION H-H
-0 BASE (B)
-0 BASE SIMILAR TO -7 BASE (SHEET #2) EXCEPT AS SHOWN
FOR SIMILAR DIMENSIONS NOT SHOWN SEE -7 BASE (SHEET #2)

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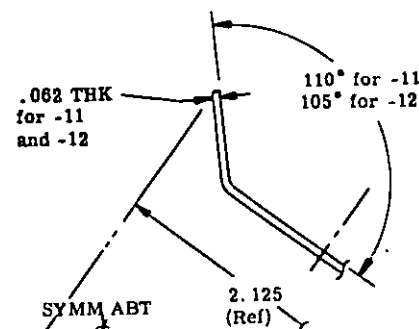
P.A. NAVY - AS Other Cast ARMY - AV AF - 99	TITLE LATCH, LAP BELT, AIRCRAFT SAFETY, QUICK RELEASE	MILITARY STANDARD MS3488 (B)
PROCUREMENT SPECIFICATION	SUPERSEDES: ACEL 5-782 & 62A133D1	SHEET 5 OF 7

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(B) -11 GRIP (FLAT LAYOUT)



(B) -12 GRIP (FLAT LAYOUT)



FOR -11 3.000
FOR -12 2.125

(B) -11 GRIP (FORMED PIECE)
-12 GRIP (FORMED PIECE)

APPROVED 3 JULY 1969 REVISED (B) FOR CHANGES SEE SHEETS 1, 2, 3, 5, 6 & 7

P.A. NAVY - AS
Other Cust
ARMY - AV
AF - 99

TITLE

LATCH. LAP BELT, AIRCRAFT SAFETY, QUICK RELEASE

MILITARY STANDARD

MS3488 (B)

PROCUREMENT SPECIFICATION

SUPERSEDES:

ACEL 5-782 & 62A133D1

SHEET 6 OF 7

FED. SUP CLASS
1680

(B)

NOTES:

1. **MATERIAL:** (A) BASE; HOOK: HOT FORGED STEEL, IN ACCORDANCE WITH MIL-S-5626 OR MIL-S-6049.
(B) PLATE GUARD; GRIP: STEEL PLATE, IN ACCORDANCE WITH MIL-S-18729.
(C) BALL; STEEL, COMPOSITION 2, GRADE 200, IN ACCORDANCE WITH MIL-B-1083.
(D) SPRING; STEEL WIRE, IN ACCORDANCE WITH QQ-W-470.
(E) SCREW; STEEL, IN ACCORDANCE WITH QQ-S-837.
(F) PIN; CORROSION RESISTANT STEEL, COMPOSITION 316, CONDITION B, IN ACCORDANCE WITH MIL-S-7720. CERTIFIED CHEMICAL AND PHYSICAL ANALYSIS REQUIRED. 125,000 TO 130,000 PSI.
2. **FINISH:** BASE; HOOK; PLATE GUARD; GRIP; SPRING: CADMIUM PLATE, TYPE I, CLASS 1, IN ACCORDANCE WITH QQ-P-416.
3. **THREADS:** THREADS SHALL CONFORM TO MIL-S-7742 AND HANDBOOK H28.
4. **HEAT TREAT:** BASE; HOOK: ROCKWELL C38 TO C42 IN ACCORDANCE WITH MIL-H-6875. DECARBURIZATION SHALL NOT EXCEED .010.
5. **BREAK ALL SHARP EDGES .031 MAX.**
6. **DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS $\pm .010$, ANGLES $\pm 1/2^\circ$.**
7. **PROOF LOAD:** (a) EACH LATCH ASSEMBLY SHALL BE SUBJECTED TO THE PROOF LOAD SPECIFIED HEREON AS INDICATED BY THE ARROW, WHEN ASSEMBLED WITH LINK MS22003-1. PROOF LOAD TO BE APPLIED AT THE RATE OF 30,000 PSI PER MINUTE, PER QQ-M-151.
(b) WHEN ASSEMBLED WITH LINK MS22003-1 AND A LOAD OF 400 POUNDS IS APPLIED IN A TENSION TESTING MACHINE, USING SHORT STEEL STRAPS TO APPLY THE LOAD, IT SHALL BE POSSIBLE TO OPEN THE LATCH BY A FORCE NOT TO EXCEED 45 POUNDS APPLIED AT 60° TO THE DIRECTION OF THE 400 POUND PULL, AS SHOWN.
(c) WITHOUT LOAD ON THE LATCH ASSEMBLY AND WITHOUT LUBRICATION, THE FORCE REQUIRED TO PULL THE LATCH THRU THE BALL DETENT SHALL BE NOT LESS THAN 8 NOR MORE THAN 8 POUNDS.
8. **REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BIDS, OR REQUEST FOR PROPOSAL EXCEPT THAT REFERENCED ADOPTED INDUSTRY DOCUMENTS SHALL GIVE THE DATE OF THE ISSUE ADOPTED.**
9. **FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.**

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P.A. NAVY - AS Other Cases ARMY - AV AF - 99	TITLE LATCH, LAP BELT, AIRCRAFT SAFETY, QUICK RELEASE	MILITARY STANDARD MS3488 (B)
PROCUREMENT SPECIFICATION	SUPERSEDES: ACEL 5-782 & 62A133D1	SHEET 7 OF 7