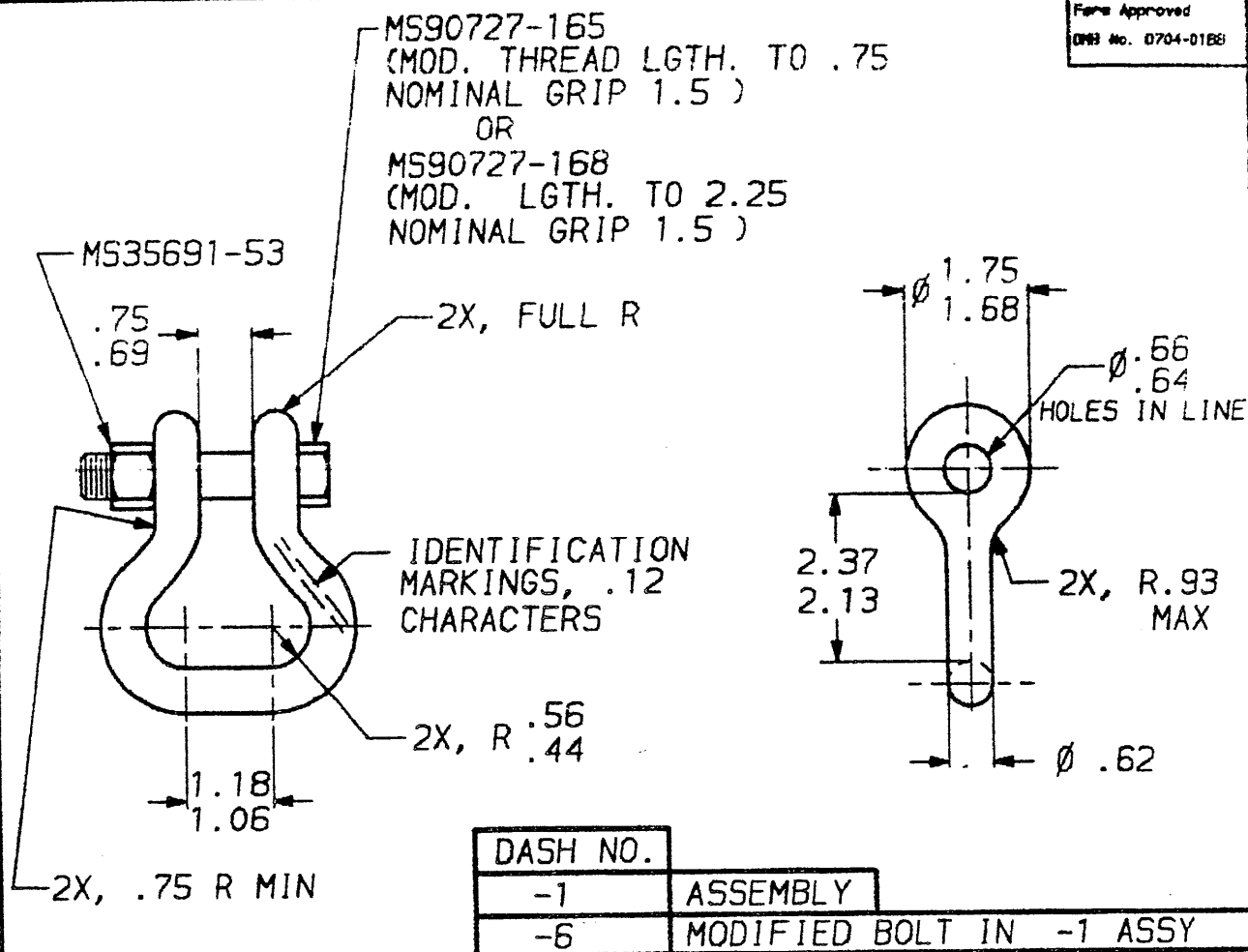
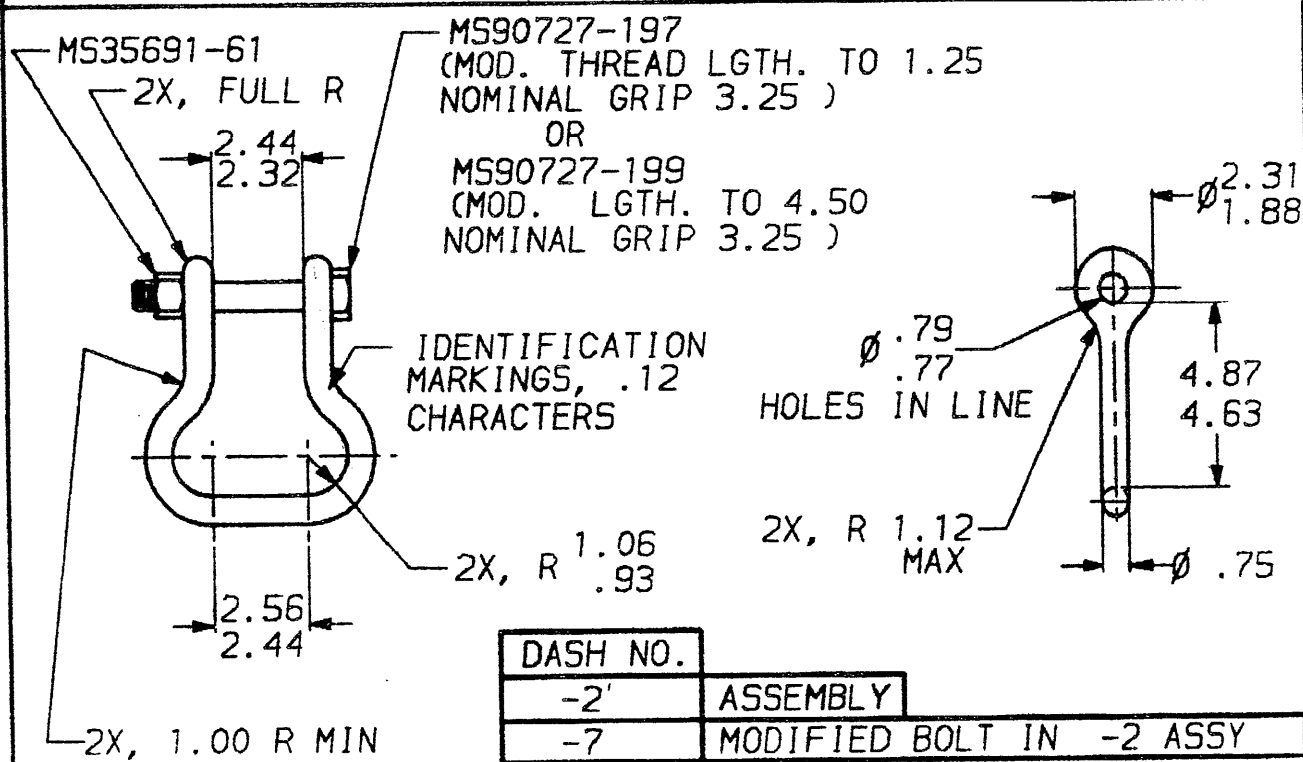


THE REQUIREMENTS FOR ACQUIRING THE PRODUCTS DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DOCS SPECIFIED IN THE SOLICITATION, MIL-S-40137 CLEAVES, SUSPENSION, AIR DELIVERY TYPE, SPECIAL SPECIFICATION FOR



THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE. SELECTIONS OF ALL NEW ENGINEERING AND DESIGN APPLICATIONS FOR REPETITIVE USE SHALL BE MADE FROM THIS DOCUMENT.



PREPARING ACTIVITY, ARMY-GL

CUSTOMERS,

ARMY-GL

NAVY-AS

AIR FORCE-SS

DLA-

REVIEW, AF-BC, ARMY-TP

USER, NAVY-MC

PROJECT NUMBER, 1670-0775

DISTRIBUTION STATEMENT A

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MILITARY SPECIFICATION SHEET

TITLE

CLEAVES, SUSPENSION, AIR
DELIVERY-TYPE I

SPECIFICATION SHEET NUMBER

MS 70087L 12 FEBRUARY 92

SUPERSEDING

MS70087K
8 NOV 88

AWEC-

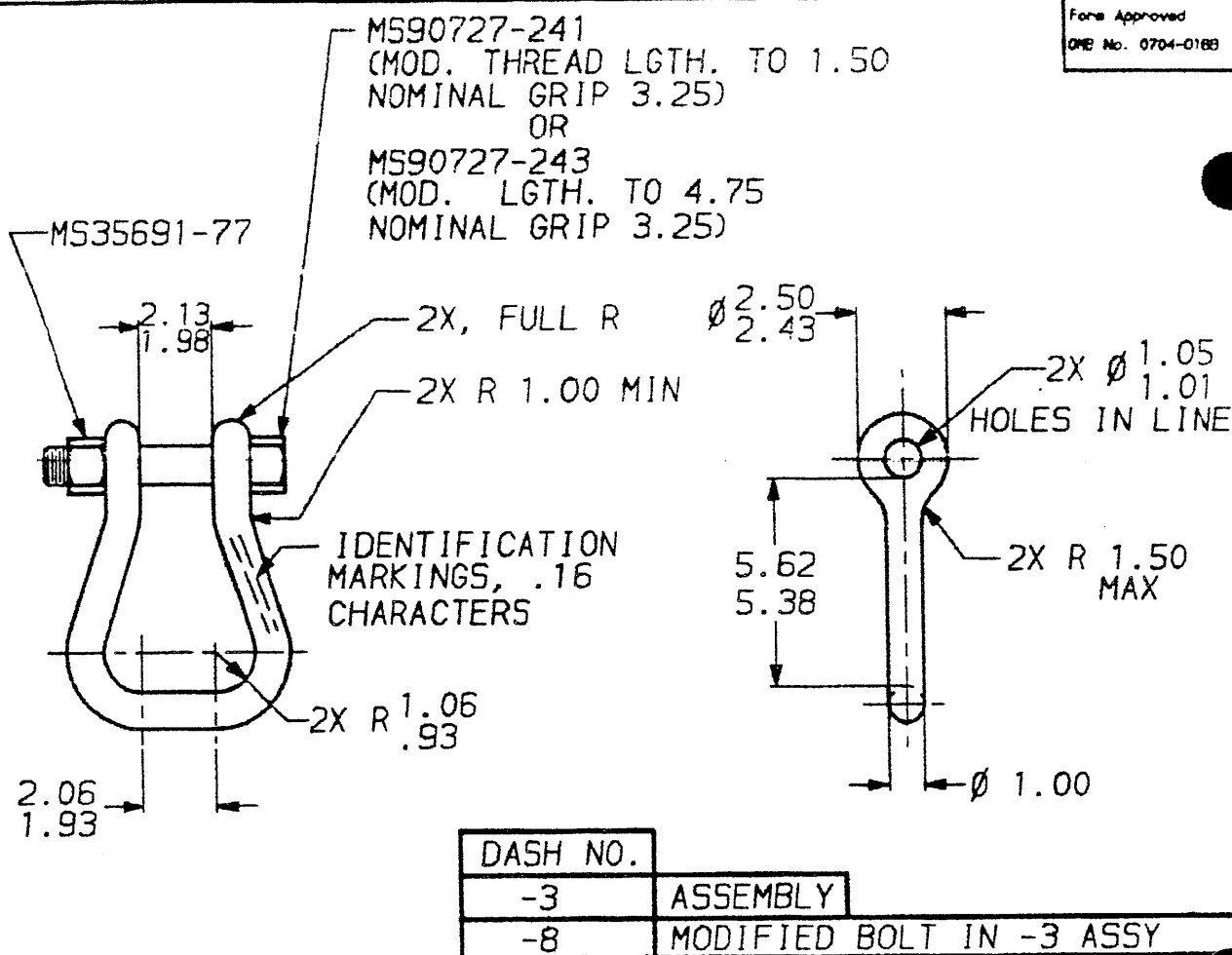
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PSC-

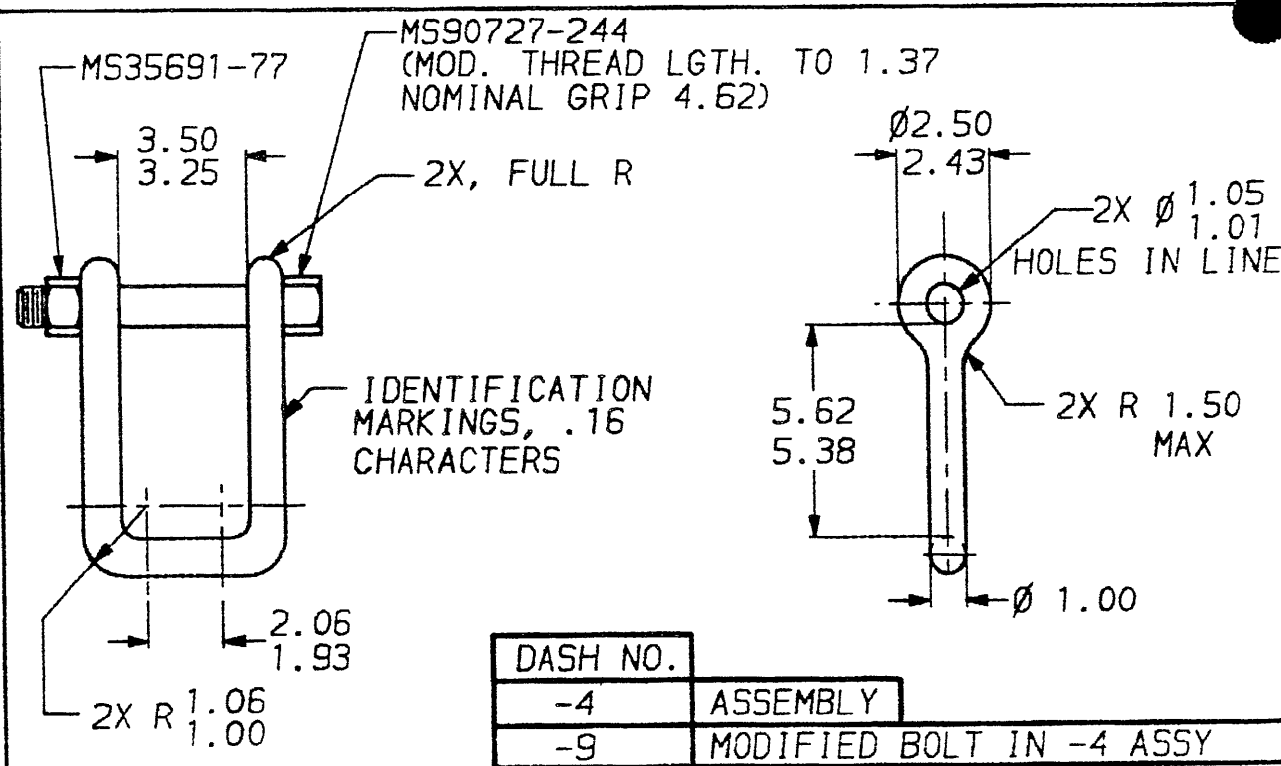
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PREPARING ACTIVITY, ARMY-GL

CUSTODIANS:

ARMY-GL

NAVY-AS

AIR FORCE-99

DLA-

REVIEW, AF-62, ARMY-TR

USER, NAVY-MC

PROJECT NUMBER, 1670-0779

DISTRIBUTION STATEMENT

MILITARY SPECIFICATION SHEET

TITLE

CLEVISES, SUSPENSION, AIR
DELIVERY-TYPE I

SPECIFICATION SHEET NUMBER

MS 70087L 12 FEBRUARY

SUPERSEDING

MS70087K
8 NOV 88

ANSC-

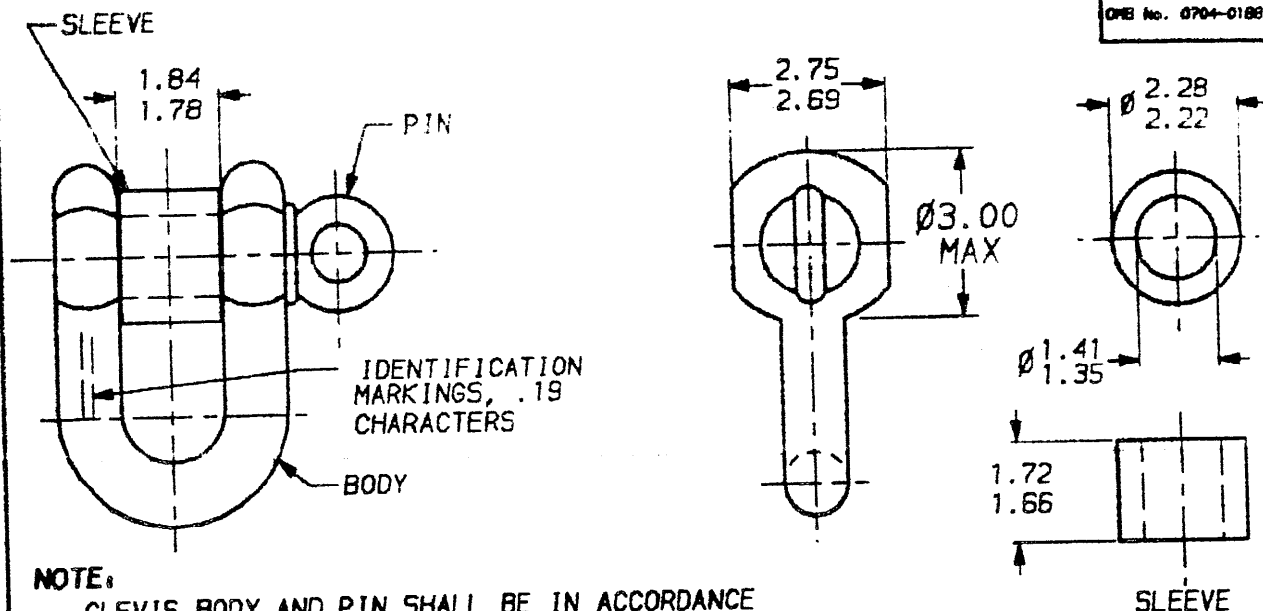
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FSC-

1670

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**NOTE:**

CLEVIS BODY AND PIN SHALL BE IN ACCORDANCE WITH TYPE IVB, CLASS 2, SIZE 1-1/8" PER RR-C-271, EXCEPT FOR THE REQUIREMENTS AS SHOWN IN THIS DOCUMENT.

DASH NO.	
-5	ASSEMBLY
-10	PIN IN -5 ASSY
-11	SLEEVE IN -5 ASSY

REQUIREMENTS

EXCEPT AS SPECIFIED HEREIN, REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE PROCUREMENT SPECIFICATION.

MATERIAL	-CLEVIS BODY FOR -1, -2, -3, -4, -5 AND -10 PIN SHALL BE STEEL ALLOY AISI/SAE 4130/4140/08 B630 CONFORMING TO COMPOSITION REQUIREMENTS OF FED-STD-66. SLEEVE, -11 STEEL, AISI/SAE 1010/1020, FED-STD-66.
METHOD OF FORMING	-CLEVIS BODIES - FORGING.
TOLERANCES	-UNLESS OTHERWISE SPECIFIED, COMMERCIAL TOLERANCES FOR IMPRESSION DIE FORGINGS DEVELOPED BY THE DROP FORGING ASSOCIATION SHALL APPLY.
HEAT TREATMENT	-CLEVIS BODIES FOR -1, -2, -3, -4, -5, AND -10 PIN SHALL BE HEAT TREATED TO 150,000 - 170,000 PSI ULTIMATE TENSILE STRENGTH IN ACCORDANCE WITH MIL-H-6875.
SURFACE ROUGHNESS	-250 RHR MAX. IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE, INC. ANSI B46.1 BREAK SHARP EDGES AND REMOVE ALL BURRS.
PROTECTIVE FINISH	-FOR -1, -2, -3, AND -4 CLEVIS BODIES AND FOR -11 SLEEVE AND ALTERNATE FOR -5 CLEVIS AND -10 PIN, COATING, IMMERSION ZINC FLAKE/CHROMATE DISPERSION PER MIL-C-87115, CLASS 3, TYPE II.
PROOF LOAD	-SPECIFIED PROOF LOAD SHALL BE APPLIED WITH EVEN DISTRIBUTION ACROSS SPAN OF BOLT AND CLEVIS BODY BY A SUITABLE TEST FIXTURE.

NOTES

- FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
- 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.
- PART NUMBER: THE MS PART NUMBER CONSISTS OF THE MS NUMBER PLUS THE DASH NUMBER. EXAMPLE: MS70087-5.

PREPARING ACTIVITY, ARMY-GL

CUSTODIANS,

ARMY-GL

NAVY-AS

AIR FORCE-99

DLA-

REVIEW, AF-02, ARMY-TR

USER, NAVY-AC

PROJECT NUMBER: 1670-0773

DISTRIBUTION STATEMENT

MILITARY SPECIFICATION SHEET

TITLE

CLEVISES, SUSPENSION, AIR
DELIVERY-TYPE I

SPECIFICATION SHEET NUMBER

MS 70087L 12 FEBRUARY 92

SUPERSEDING

MS70087K
8 NOV 88

ANSC-

N/A

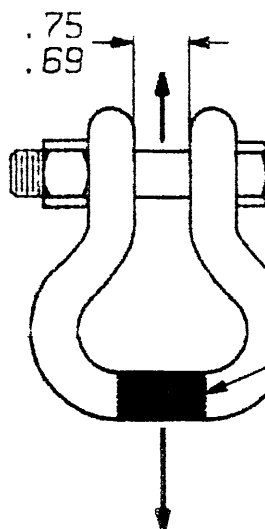
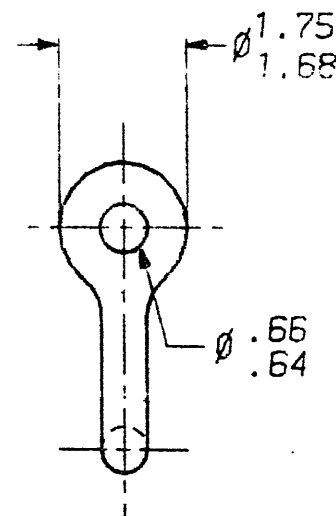
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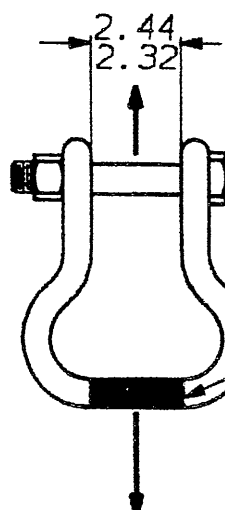
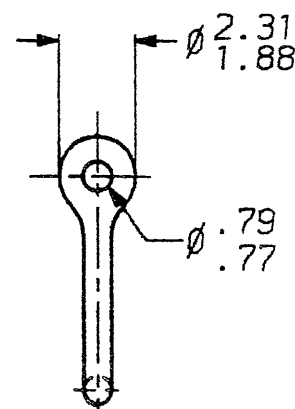
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CRITICAL DIMENSIONS - CRITICAL FUNCTIONS/TESTS

Form Approved
OMB No. 0704-0188HARDNESS TEST
TO BE PERFORMED
IN SHADED AREA20,000 LB
PROOF LOAD

DASH NO.

-1

HARDNESS TEST
TO BE PERFORMED
IN SHADED AREA20,000 LB
PROOF LOAD

DASH NO.

-2

CRITICAL DIMENSIONS: AS SHOWN

CRITICAL FUNCTIONS/TESTS:

1. HARDNESS TEST PER MIL-H-6875 IN AREAS SHOWN.
2. PROOF LOAD.
3. ACCEPT SPECIFIED BOLT AND NUT FREELY.
4. NO THREADS IN GRIP AREA.

PREPARING ACTIVITY: ARMY-GL

CUSTOMERS:

ARMY-GL

NAVY-AS

AIR FORCE-99

DLA-

REVIEW: AF-62, ARMY-TR

USER: NAVY-MC

PROJECT NUMBER: 1670-0773

DISTRIBUTION STATEMENT

MILITARY SPECIFICATION SHEET

TITLE

CLEVISES, SUSPENSION, AIR
DELIVERY-TYPE I

SPECIFICATION SHEET NUMBER

MS 70087L 12 FEBRUARY 82

SUPERSEDING

MS70087K
8 NOV 88

AMSC-

N/A

FSC-

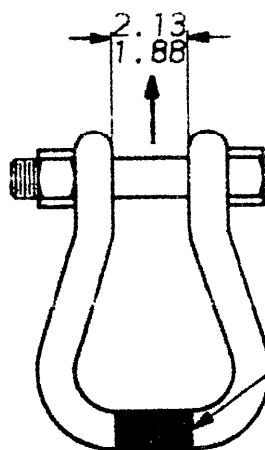
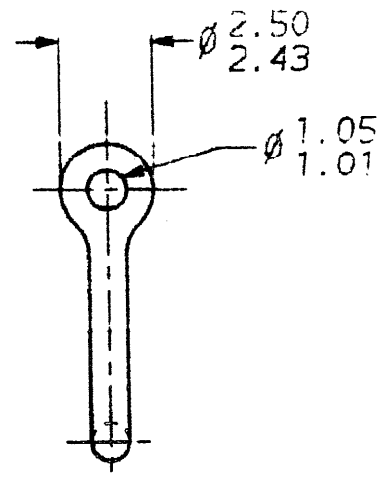
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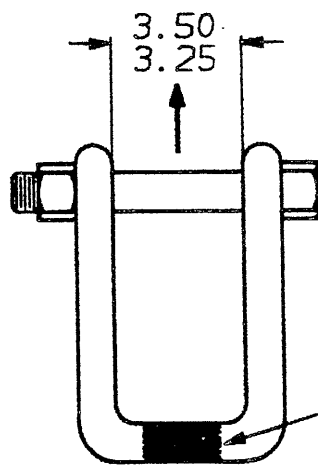
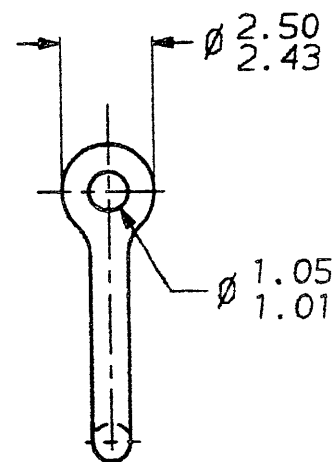
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CRITICAL DIMENSIONS - CRITICAL FUNCTIONS/TESTS

HARDNESS TEST
TO BE PERFORMED
IN SHADED AREA40,000 LB
PROOF LOAD

DASH NO.

-3

HARDNESS TEST
TO BE PERFORMED
IN SHADED AREA40,000 LB
PROOF LOAD

DASH NO.

-4

CRITICAL DIMENSIONS: AS SHOWN
CRITICAL FUNCTIONS/TESTS:

1. HARDNESS TEST PER MIL-H-6875 IN AREAS SHOWN.
2. PROOF LOAD.
3. ACCEPT SPECIFIED BOLT AND NUT FREELY.
4. NO THREADS IN GRIP AREA.

PREPARING ACTIVITY, ARMY-GL

CUSTODIANS:

ARMY-GL

NAVY-AS

AIR FORCE-88

DLA-

REVIEW, AF-82, ARMY-TR

USER, NAVY-MC

PROJECT NUMBER, 1670-0779

DISTRIBUTION STATEMENT

MILITARY SPECIFICATION SHEET

TITLE

CLEVISES, SUSPENSION, AIR
DELIVERY-TYPE 1

SPECIFICATION SHEET NUMBER

MS 70087L 12 FEBRUARY 92

SUPERSEDING

MS70087K
8 NOV 88

AMSC-

N/A

PSC-

1670

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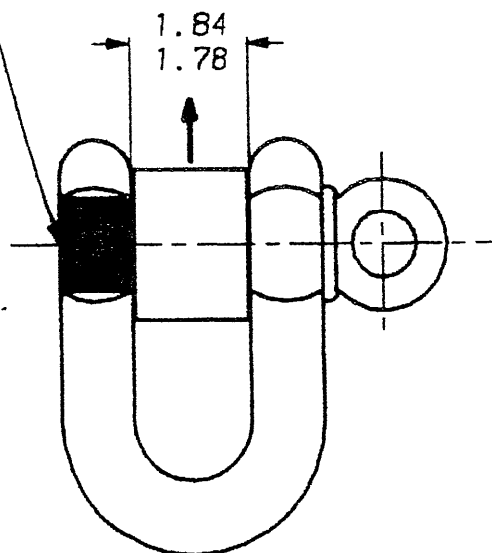
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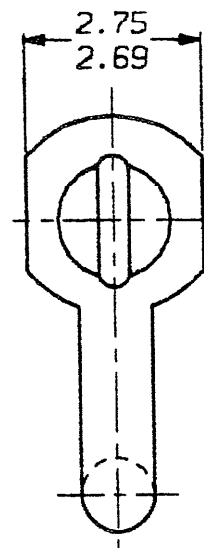
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HARDNESS TEST
TO BE PERFORMED
IN SHADED AREA



50,000 LB
PROOF LOAD



DASH NO.
-5

CRITICAL DIMENSIONS: AS SHOWN

CRITICAL FUNCTIONS/TESTS: 1. HARDNESS TEST PER MIL-H-6875 IN AREAS SHOWN.
2. PROOF LOAD.
3. ACCEPT SPECIFIED PIN AND SLEEVE FREELY.

PREPARING ACTIVITY, ARMY-GL

CUSTODIANS:

ARMY-GL

NAVY-AS

AIR FORCE-59

DLA-

REVIEW, AF-62 ARMY-TR

USER, NAVY-NC

PROJECT NUMBER, 1670-0779

DISTRIBUTION STATEMENT

MILITARY SPECIFICATION SHEET

TITLE

CLEVISES, SUSPENSION, AIR
DELIVERY-TYPE I

SPECIFICATION SHEET NUMBER

MS 70087L 12 FEBRUARY 92

SUPERSIDING MS70087K
8 NOV 88

AMSC- N/A

FSC- 1670

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