

INCH-POUND

MS27424A
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SUPERSEDING
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DETAIL SPECIFICATION SHEET

CLIP ASSEMBLY, COCKPIT UTILITY LIGHT

Inactive for new design after 31 August 2006.

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

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-6484, "Lights, Cockpit Utility, Aircraft General Specification for".

INTENDED USE:

1. The clip assembly is designed for use with MS17246-1, "Mounting base, cockpit utility", as an aid to cockpit personnel for holding maps and other in-flight references.

REQUIREMENTS:

1. Materials.

1.1 Clip halves. Clip halves shall be manufactured from steel conforming to ASTM A606/A606M, "Standard Specification for Steel, Sheet and Strip, High-Strength, Low-Alloy, Hot-Rolled and Cold-Rolled, with Improved Atmospheric Corrosion Resistance", type 2 or type 4, cold-rolled, condition as-rolled.

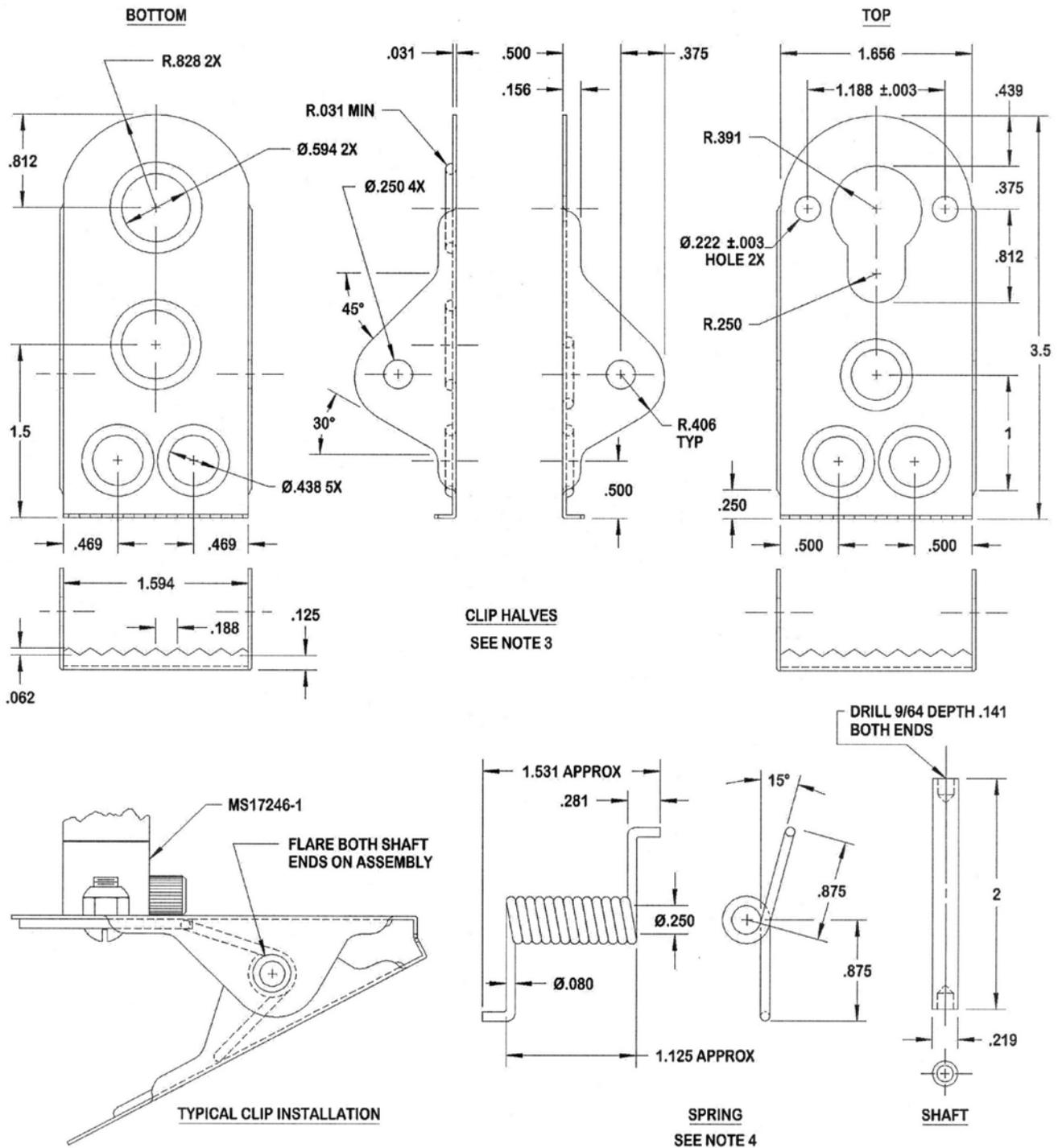
1.2 Spring. The spring shall be manufactured from steel wire conforming to ASTM A228/A228M, "Standard Specification for Steel Wire, Music Spring Quality".

1.3 Shaft. The shaft shall be manufactured from brass, C36000 or C36010, temper HO2, conforming to ASTM B16/B16M, "Standard Specification for Free-Cutting Brass Rod, Bar and Shapes for Use in Screw Machines".

2. Finish. Material finish shall be best practice for application. If desired, cadmium plating conforming to type I, class A, of SAE AMS QQ P 416, "Plating, Cadmium (Electrodeposited)", may be used.

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3. Design. The design of the clip assembly shall be as shown in figure 1.



NOTES:

1. All dimensions are in inches.
2. Unless otherwise specified, tolerances ± 0.015 .
3. Unless otherwise specified, all bends R0.016. Remove all burrs.
4. 13 turns close-wound. Heat spring 500 to 550 °F (260 to 288 °C) for 20 minutes after forming.

FIGURE 1. Clip assembly, cockpit utility light.

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4. Marking. The MS part number and the manufacturer's identification shall be marked on the clip assembly in accordance with MIL-STD-130, "Identification Marking of U.S. Military Property".

NOTES:

1. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence.

2. Unless otherwise specified, issues of referenced documents are those in effect at the time of solicitation.

3. The use of recycled materials that meet the requirements of the applicable material specifications and that do not jeopardize the intended use of the item is strongly encouraged.

4. This specification is not intended to limit construction to features other than as shown herein, by dimensions, notations, and referenced documents.

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:
Navy - AS
DLA - GS

Preparing Activity:
DLA - GS2

(Project 6220-2012-001)

Review Activity:
DLA - IS

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