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REV.
D

AS116961™
THRU AS117000™

FEDERAL SUPPLY CLASS
5305

RATIONALE

THE LAST REVISION LEFT TWO "MS" PART NUMBERS IN THE TABLE. ADDED NOTE FOR DEPLETION OF INVENTORY.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD AN116961 THRU AN117000 REV. 2, NOTICE 1. THIS SAE STANDARD MAY RETAIN THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

ANY REQUIREMENTS ASSOCIATED WITH QUALIFIED PRODUCTS LISTS (QPL'S) MAY CONTINUE TO BE MANDATORY FOR DoD CONTRACTS. REQUIREMENTS RELATING TO QPL'S HAVE NOT BEEN ADOPTED BY SAE FOR THIS STANDARD AND ARE NOT PART OF THIS SAE DOCUMENT.

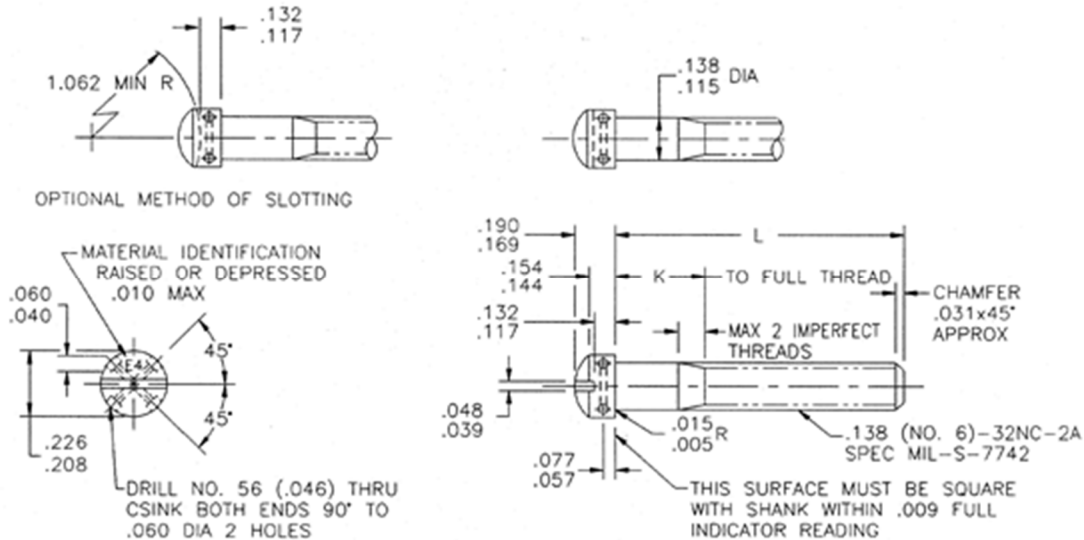
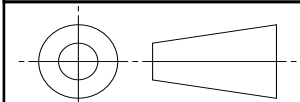


FIGURE 1 - SCREW

For more information on this standard, visit
<https://www.sae.org/standards/content/AS116961/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

SCREW - OVAL FILLISTER DRILLED HEAD, .138-32

AS116961™
THRU AS117000™
SHEET 1 OF 2

REV.
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TABLE 1 - PART NUMBERS AND DIMENSIONS

L	K +.000 -.060	PART NO.	L	K +.000 -.060	PART NO.	L	K +.000 -.060	PART NO.
.250	(a)	AN116962	.938	(a)	AN116973	2.750	1.500	AN116988
.312	(a)	AN116963	1.000	(a)	AN116974	3.000	1.750	AN116990
			1.125	(a)	AN116975			
.375	(a)	AN116964	1.250	(a)	AN116976			
.438	(a)	AN116965	1.375	.125	AN116977			
.500	(a)	AN116966	1.500	.250	AN116978			
.562	(a)	AN116967	1.625	.375	AN116979			
.625	(a)	AN116968	1.750	.500	AN116980			
.688	(a)	AN116969	1.875	.625	AN116981			
.750	(a)	AN116970	2.000	.750	AN116982			
.812	(a)	AN116971	2.250	1.000	AN116984			
.875	(a)	AN116972	2.500	1.250	AN116986			

(a) THREAD IS HEAD. MAX TWO IMPERFECT THREADS.

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

CADMIUM IS CARCINOGENIC TO HUMANS (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC), GROUP 1) AND IS HAZARDOUS TO ECOSYSTEMS AND HUMAN HEALTH. SUGGEST USE OF ALTERNATIVE MATERIALS, WHEN POSSIBLE.

NOTES:

- SHANK SHALL BE STRAIGHT WITHIN .004 FIR. PER INCH OF SCREW LENGTH.
- THE CONCENTRICITY OF THREAD PD IN RELATION TO THE HEAD SHALL BE WITHIN .005 FIR.
- MATERIAL: STEEL AMS5061.
- STRESS RELIEVE AFTER HEADING. MATERIAL SPECIFICATION HARDNESS REQUIREMENTS MUST BE MAINTAINED.
- FINISH: CADMIUM PLATE AMS2400.
- BREAK EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS $\pm .010$, ANGULAR DIMENSIONS $\pm 2^\circ$.
- DO NOT USE UNASSIGNED PART NUMBERS.
- UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE ENGINE AND PROPELLER PARTS COMMITTEE OF SAE INTERNATIONAL.
- REVISION INDICATOR: A CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT, INCLUDING TECHNICAL REVISIONS. CHANGE BARS AND (R) ARE NOT USED IN ORIGINAL PUBLICATIONS, NOR IN DOCUMENTS THAT CONTAIN EDITORIAL CHANGES ONLY.

	AEROSPACE STANDARD		AS116961™ THRU AS117000™ SHEET 2 OF 2	REV. D
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