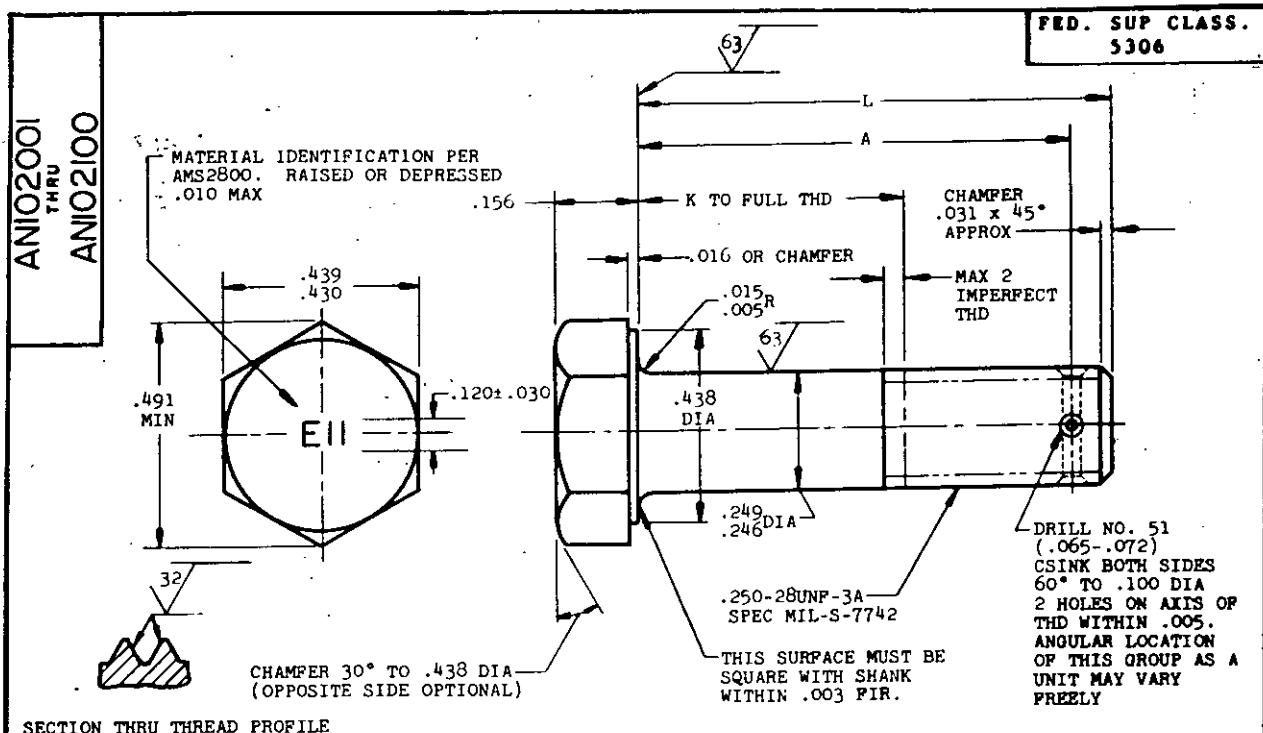


NOTICE: When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the use of such data without the express written permission of the Government is prohibited. It is the policy of the Government to make its drawings, specifications, and other data available to the public as soon as possible after the date of publication of the drawing, specification, or other data. It is the policy of the Government to make its drawings, specifications, and other data available to the public as soon as possible after the date of publication of the drawing, specification, or other data.

NOTE: This drawing was prepared by the Air Force and Navy Departments at the Air Force Research Laboratory, Dayton, Ohio, and is the property of the Air Force Research Laboratory. It is loaned to the user for use in the design of aircraft and shall not be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of the Air Force Research Laboratory.



L	A	K +.000 -.060	PART NO.	L	A	K +.000 -.060	PART NO.	L	A	K +.000 -.060	PART NO.
.500	.390	(a)	AN102006	1.750	1.640	1.125	AN102026	4.375	4.265	3.750	AN102047
.562	.452	(a)	AN102007	1.875	1.765	1.250	AN102027	4.500	4.390	3.875	AN102048
				2.000	1.890	1.375	AN102028	4.625	4.515	4.000	AN102049
.625	.515	(a)	AN102008	2.125	2.015	1.500	AN102029	4.750	4.640	4.125	AN102050
.688	.578	(a)	AN102009	2.250	2.140	1.625	AN102030	4.875	4.765	4.250	AN102051
.750	.640	.125	AN102010	2.375	2.265	1.750	AN102031	5.000	4.890	4.375	AN102052
.812	.702	.188	AN102011	2.500	2.390	1.875	AN102032	5.125	5.015	4.500	AN102053
.875	.765	.250	AN102012	2.625	2.515	2.000	AN102033	5.250	5.140	4.625	AN102054
.938	.828	.312	AN102013	2.750	2.640	2.125	AN102034	5.375	5.265	4.750	AN102055
1.000	.890	.375	AN102014	2.875	2.765	2.250	AN102035	5.500	5.390	4.875	AN102056
1.062	.952	.438	AN102015	3.000	2.890	2.375	AN102036	5.625	5.515	5.000	AN102057
1.125	1.015	.500	AN102016	3.125	3.015	2.500	AN102037	5.750	5.640	5.125	AN102058
1.188	1.078	.562	AN102017	3.250	3.140	2.625	AN102038	5.875	5.765	5.250	AN102059
1.250	1.140	.625	AN102018	3.375	3.265	2.750	AN102039	6.000	5.890	5.375	AN102060
1.312	1.202	.688	AN102019	3.500	3.390	2.875	AN102040				
1.375	1.265	.750	AN102020	3.625	3.515	3.000	AN102041				
1.438	1.328	.812	AN102021	3.750	3.640	3.125	AN102042				
1.500	1.390	.875	AN102022	3.875	3.765	3.250	AN102043				
1.562	1.452	.938	AN102023	4.000	3.890	3.375	AN102044				
1.625	1.515	1.000	AN102024	4.125	4.015	3.500	AN102045				
1.688	1.578	1.062	AN102025	4.250	4.140	3.625	AN102046				

(a) THREAD TO HEAD. MAXIMUM TWO IMPERFECT THREADS.

- NOTE: (1) SHANK SHALL BE STRAIGHT WITHIN .003 FIR PER INCH OF BOLT LENGTH.
 (2) THE CONCENTRICITY OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .006 FIR.
 (3) THE CONCENTRICITY OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND HEXAGON SHALL BE WITHIN .013 FIR.

MATERIAL: STEEL AMS6322
 HARDNESS: ROCKWELL C26-32
 FINISH: CADMIUM PLATE AMS2400
 SURFACE ROUGHNESS: AS107
 MANUFACTURING SPECIFICATION: AMS7452

- (3) INSPECTION: ALL PARTS SHALL UNDERGO MAGNETIC INSPECTION IN ACCORDANCE WITH AMS2640
 BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
 DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED: TOLERANCES; LINEAR DIMENSIONS $\pm .010$, ANGULAR DIMENSIONS $\pm 2^\circ$.
 DO NOT USE UNASSIGNED PART NUMBERS.

INACTIVE FOR NEW DESIGN AFTER 3 MARCH 1969 NO SUPERSEDING STANDARD.

THIS STANDARD WAS DEVELOPED COOPERATIVELY BY THE ENGINE AND PROPELLER UTILITY PARTS COMMITTEE OF THE SAE.

P.A. AF-11
 CUST: NAVY-AS
 ARMY-AV

AIR FORCE-NAVY AERONAUTICAL STANDARD

BOLT - HEX HEAD, DRILLED SHANK, .250-28

ANIO2001

THRU

ANIO2100