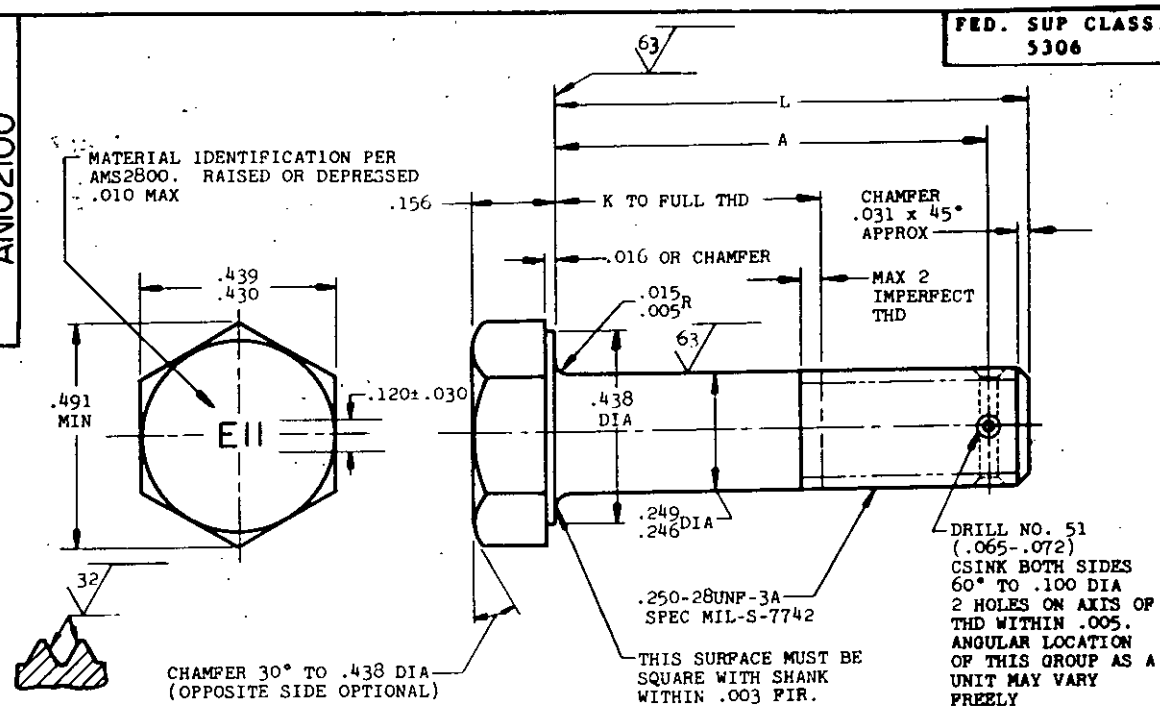
THIS DOCUMENT PROVIDED BY THE ABBOTT AEROSPACE
L LIBRARY
3BOTTAEROSPACE.COM

AN102001 THRU AN102100

FED. SUP CLASS. 5306



SECTION THRU THREAD PROFILE

L	A	K +.000 -.060	PART NO.	L	A	K +.000 -.060	PART NO.	L	A	K +.000 -.060	PART NO.
				1.750	1.640	1.125	AN102026	4.375	4.265	3.750	AN102047
.500	.390	(a)	AN102006	1.875	1.765	1.250	AN102027	4.500	4.390	3.875	AN102048
.562	.452	(a)	AN102007	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 ±.010, ANGULAR DIMENSIONS ±2°.
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.

APPROVED 8 June 49 REVISED (1) 31 Aug 54 (2) 3 Mar 69 (3) 30 June 1986

P.A. AF-11 CUST: NAVY-AS ARMY-AV	AIR FORCE-NAVY AERONAUTICAL STANDARD	AN102001 THRU AN102100
	BOLT - HEX HEAD, DRILLED SHANK, .250-28	

Project No. 5306-1005

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 United States Government thereby incurs no responsibility, nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use or sell any patented invention that may in any way be related thereto.

NOTE: This drawing was approved by joint action of the Air Force and Navy Departments as the air-navy standard for the purpose of interchangeability and interoperability. Its use in new designs or in new procurements shall be mandatory for the Air Force and Navy Departments. Its use in other designs or procurements is recommended. Contractor or supplier for use in new designs not later than 6 months after the latest date of approval shown.

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.