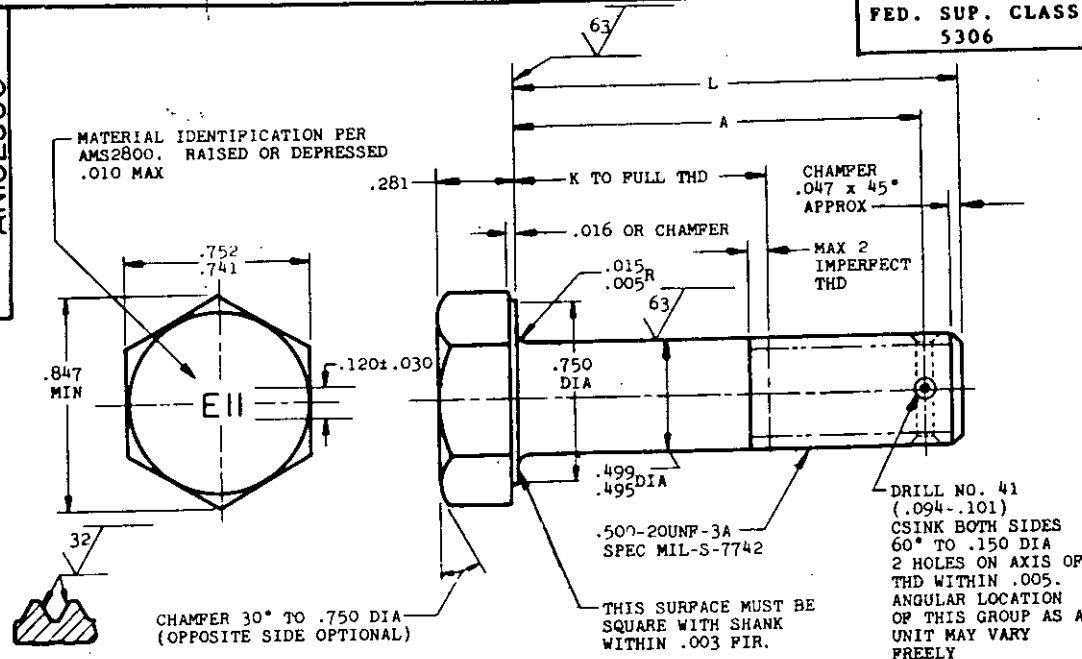


FED. SUP. CLASS. 5306

AN102401  
THRU  
AN102500



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.
				2.375	2.235	1.500	AN102424	5.000	4.860	4.125	AN102445
				2.500	2.360	1.625	AN102425	5.125	4.985	4.250	AN102446
				2.625	2.485	1.750	AN102426	5.250	5.110	4.375	AN102447
.938	.798	(a)	AN102406	2.750	2.610	1.875	AN102427	5.375	5.235	4.500	AN102448
1.000	.860	.125	AN102407	2.875	2.735	2.000	AN102428	5.500	5.360	4.625	AN102449
1.062	.922	.188	AN102408	3.000	2.860	2.125	AN102429	5.625	5.485	4.750	AN102450
1.125	.985	.250	AN102409	3.125	2.985	2.250	AN102430	5.750	5.610	4.875	AN102451
1.188	1.048	.312	AN102410	3.250	3.110	2.375	AN102431	5.875	5.735	5.000	AN102452
1.250	1.110	.375	AN102411	3.375	3.235	2.500	AN102432	6.000	5.860	5.125	AN102453
1.312	1.172	.438	AN102412	3.500	3.360	2.625	AN102433				
1.375	1.235	.500	AN102413	3.625	3.485	2.750	AN102434				
1.438	1.298	.562	AN102414	3.750	3.610	2.875	AN102435				
1.500	1.360	.625	AN102415	3.875	3.735	3.000	AN102436				
1.562	1.422	.688	AN102416	4.000	3.860	3.125	AN102437				
1.625	1.485	.750	AN102417	4.125	3.985	3.250	AN102438				
1.688	1.548	.812	AN102418	4.250	4.110	3.375	AN102439				
1.750	1.610	.875	AN102419	4.375	4.235	3.500	AN102440				
1.875	1.735	1.000	AN102420	4.500	4.360	3.625	AN102441				
2.000	1.860	1.125	AN102421	4.625	4.485	3.750	AN102442				
2.125	1.985	1.250	AN102422	4.750	4.610	3.875	AN102443				
2.250	2.110	1.375	AN102423	4.875	4.735	4.000	AN102444				

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

- NOTE: (1) SHANK SHALL BE STRAIGHT WITHIN .002 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 .023 FIR.

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

(3) INSPECTION: ALL PARTS SHALL UNDERGO MAGNETIC INSPECTION IN ACCORDANCE WITH AMS2640  
**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.

AIR FORCE-NAVY AERONAUTICAL STANDARD  
 P.A. AF-II  
 CUST. NAVY-AS  
 ARMY-AV  
 BOLT - HEX HEAD, DRILLED SHANK, .500-20  
 AN102401  
 THRU  
 AN102500

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NOTE: This drawing was prepared by using sections of the Air Force and Navy Department as the Air Force drawing. It is the responsibility of the user to ensure that the drawing is the latest revision and that it is the correct drawing for the procurement of a particular part. It is the responsibility of the user to ensure that the drawing is the latest revision and that it is the correct drawing for the procurement of a particular part.

APPROVED 8 June 49 REVISED 11 Aug 51 3 MAR 69 30 June 86