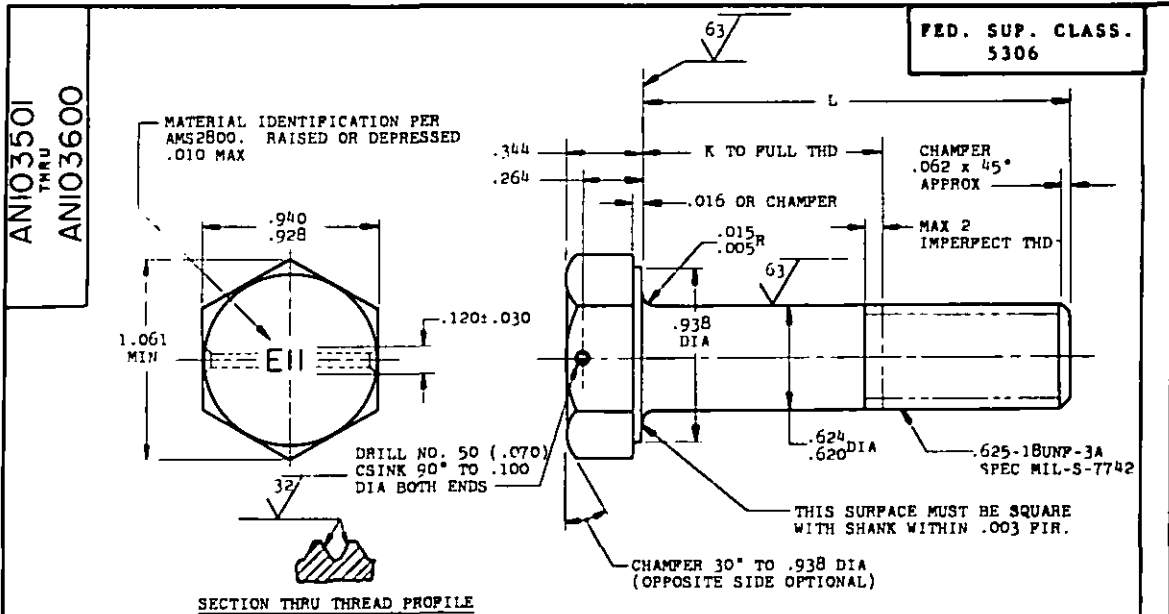


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NOTE: This drawing was prepared by the Air Force and Navy Departments at the Air Force Materiel Command, Dayton, Ohio, and the Naval Air Station, Dayton, Ohio, for the purpose of standardizing the design of this part. This drawing is intended for use in the design of aircraft and other aircraft components. It is not intended for use in the design of other aircraft components. The drawing is not intended for use in the design of other aircraft components. The drawing is not intended for use in the design of other aircraft components.



FED. SUP. CLASS. 5306

SECTION THRU THREAD PROFILE

L	K	PART NO.	L	K	PART NO.	L	K	PART NO.	L	K	PART NO.
	+.000 -.060			+.000 -.060			+.000 -.060			+.000 -.060	
			1.938	.438	AN103517	3.125	1.625	AN103531	4.875	3.375	AN103545
			2.000	.500	AN103518	3.250	1.750	AN103532	5.000	3.500	AN103546
			2.062	.562	AN103519	3.375	1.875	AN103533	5.125	3.625	AN103547
1.250	(a)	AN103506	2.125	.625	AN103520	3.500	2.000	AN103534	5.250	3.750	AN103548
1.312	(a)	AN103507	2.188	.688	AN103521	3.625	2.125	AN103535	5.375	3.875	AN103549
1.375	(a)	AN103508	2.250	.750	AN103522	3.750	2.250	AN103536	5.500	4.000	AN103550
1.438	(a)	AN103509	2.312	.812	AN103523	3.875	2.375	AN103537	5.625	4.125	AN103551
1.500	(a)	AN103510	2.375	.875	AN103524	4.000	2.500	AN103538	5.750	4.250	AN103552
1.562	(a)	AN103511	2.438	.938	AN103525	4.125	2.625	AN103539	5.875	4.375	AN103553
1.625	(a)	AN103512	2.500	1.000	AN103526	4.250	2.750	AN103540	6.000	4.500	AN103554
1.688	.188	AN103513	2.625	1.125	AN103527	4.375	2.875	AN103541			
1.750	.250	AN103514	2.750	1.250	AN103528	4.500	3.000	AN103542			
1.812	.312	AN103515	2.875	1.375	AN103529	4.625	3.125	AN103543			
1.875	.375	AN103516	3.000	1.500	AN103530	4.750	3.250	AN103544			

(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 .028 FIR.

MATERIAL: STEEL AMS6322
 HARDNESS: ROCKWELL C76 - 32
 FINISH: CADMIUM PLATE AMS2400
 SURFACE ROUGHNESS: AS107
 MANUFACTURING SPECIFICATION: AMS7452
 (3) INSPECTION: ALL PARTS SHALL UNDERGO MAGNETIC INSPECTION IN ACCORDANCE WITH AMS2440.
 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.

P.A. AF-11 CUST. NAVY-AS ARMY-AV	AIR FORCE-NAVY AERONAUTICAL STANDARD	ANIO3501 THRU ANIO3600
	BOLT - DRILLED HEX HEAD, 1 HOLE, .625-18	

APPROVED 8 June 49 REVISED 31 Aug 54 3 Mar 69 30 June 66