



FED. SUP. CLASS.
5306

AN104501
THRU
AN104600

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NOTE: This drawing was approved by joint action of the Air Force and Navy Committees of the Air Force-Navy Standardization Board. This drawing conforms to all applicable standard drawings for the same product and shall become effective for the procurement of aeronautical hardware for use in new designs only after the date of approval of this drawing by the Air Force and Navy Committees.

SECTION THRU THREAD PROFILE

L	K +.000 -.060	PART NO.	L	K +.000 -.060	PART NO.	L	K +.000 -.060	PART NO.	L	K +.000 -.060	PART NO.
			2.188	.438	AN104517	3.375	1.625	AN104531	5.125	3.375	AN104545
			2.250	.500	AN104518	3.500	1.750	AN104532	5.250	3.500	AN104546
			2.312	.562	AN104519	3.625	1.875	AN104533	5.375	3.625	AN104547
1.500	(a)	AN104506	2.375	.625	AN104520	3.750	2.000	AN104534	5.500	3.750	AN104548
1.562	(a)	AN104507	2.438	.688	AN104521	3.875	2.125	AN104535	5.625	3.875	AN104549
1.625	(a)	AN104508	2.500	.750	AN104522	4.000	2.250	AN104536	5.750	4.000	AN104550
1.688	(a)	AN104509	2.562	.812	AN104523	4.125	2.375	AN104537	5.875	4.125	AN104551
1.750	(a)	AN104510	2.625	.875	AN104524	4.250	2.500	AN104538	6.000	4.250	AN104552
1.812	(a)	AN104511	2.688	.938	AN104525	4.375	2.625	AN104539			
1.875	(a)	AN104512	2.750	1.000	AN104526	4.500	2.750	AN104540			
1.938	(a)	AN104513	2.875	1.125	AN104527	4.625	2.875	AN104541			
2.000	.250	AN104514	3.000	1.250	AN104528	4.750	3.000	AN104542			
2.062	.312	AN104515	3.125	1.375	AN104529	4.875	3.125	AN104543			
2.125	.375	AN104516	3.250	1.500	AN104530	5.000	3.250	AN104544			

(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 .032 FIR.

MATERIAL: STEEL AMS6322
HARDNESS: ROCKWELL C26-32
FINISH: CADMIUM PLATE AMS2400
SURFACE ROUGHNESS: A8107
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.

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

AIR FORCE-NAVY AERONAUTICAL STANDARD

BOLT - DRILLED HEX HEAD, 6 HOLES, .750-16

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APPROVED 8 June 49 REVISED ① 32 Aug 54 ② 3 Mar 69 ③ 30 June 86