



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.	
.625	.515	(a)	AN102106	1.875	1.765	1.188	AN102125	4.500	4.390	3.812	AN102146	
				2.000	1.890	1.312	AN102126	4.625	4.515	3.938	AN102147	
				2.125	2.015	1.438	AN102127	4.750	4.640	4.062	AN102148	
.688	.578	(a)	AN102107	2.250	2.140	1.562	AN102128	4.875	4.765	4.188	AN102149	
				2.375	2.265	1.688	AN102129	5.000	4.890	4.312	AN102150	
				2.500	2.390	1.812	AN102130	5.125	5.015	4.438	AN102151	
.750	.640	(a)	AN102108	2.625	2.515	1.938	AN102131	5.250	5.140	4.562	AN102152	
				2.750	2.640	2.062	AN102132	5.375	5.265	4.688	AN102153	
				2.875	2.765	2.188	AN102133	5.500	5.390	4.812	AN102154	
.812	.702	.125	AN102109	3.000	2.890	2.312	AN102134	5.625	5.515	4.938	AN102155	
				3.125	3.015	2.438	AN102135	5.750	5.640	5.062	AN102156	
				3.250	3.140	2.562	AN102136	5.875	5.765	5.188	AN102157	
.875	.765	.188	AN102110	3.375	3.265	2.688	AN102137	6.000	5.890	5.312	AN102158	
				3.500	3.390	2.812	AN102138					
				3.625	3.515	2.938	AN102139					
.938	.828	.250	AN102111	3.750	3.640	3.062	AN102140					
				3.875	3.765	3.188	AN102141					
				4.000	3.890	3.312	AN102142					
1.000	.890	.312	AN102112	4.125	4.015	3.438	AN102143					
				4.250	4.140	3.562	AN102144					
				4.375	4.265	3.688	AN102145					
1.062	.952	.375	AN102113									
1.125	1.015	.438	AN102114									
1.188	1.078	.500	AN102115									
1.250	1.140	.562	AN102116									
1.312	1.202	.625	AN102117									
1.375	1.265	.688	AN102118									
1.438	1.328	.750	AN102119									
1.500	1.390	.812	AN102120									
1.562	1.452	.875	AN102121									
1.625	1.515	.938	AN102122									
1.688	1.578	1.000	AN102123									
1.750	1.640	1.062	AN102124									

(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 .015 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.

P.A. AF-II CUST. NAVY-AS ARMY-AV	AIR FORCE-NAVY AERONAUTICAL STANDARD	AN102101
	BOLT - HEX HEAD, DRILLED SHANK, .3125-24	THRU AN102200

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