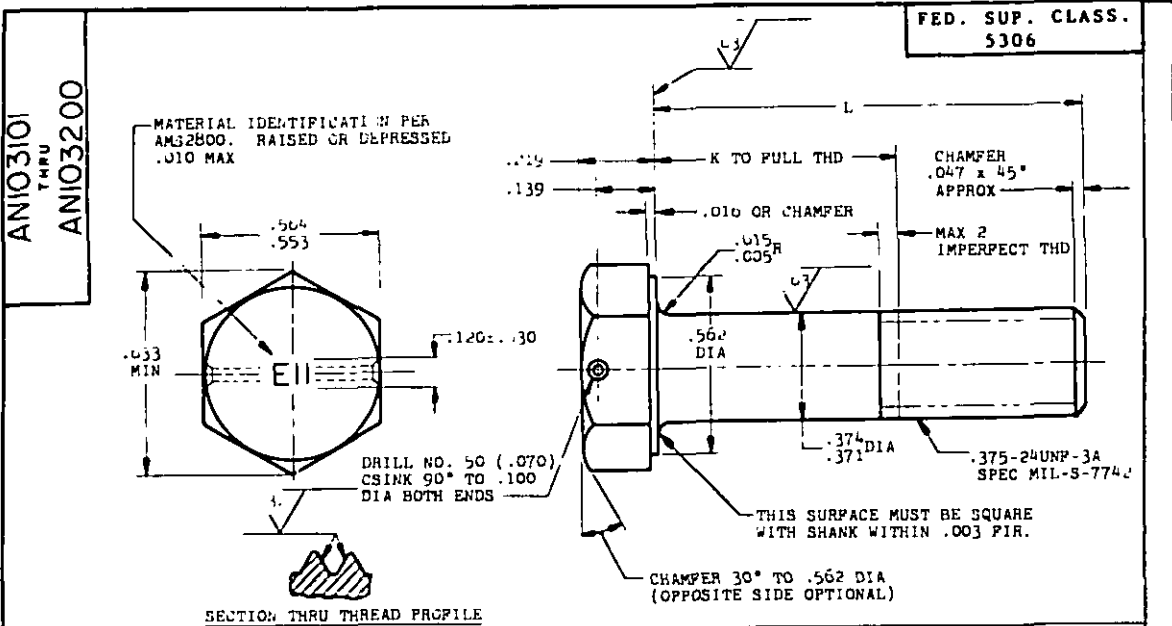


DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

NOTE: This drawing was prepared by (John Nelson of the Air Force and Ray Department of the Air Force) and approved for this project. This drawing represents all dimensions and tolerances for the same product and shall become effective for the procurement of identical supplies for use in new designs not later than 6 months after the latest date of approval shown.



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	
.625	(a)	AN103106	1.438	.438	AN103119	2.625	1.625	AN103133	4.375	3.375	AN103147
.688	(a)	AN103107	1.500	.500	AN103120	2.750	1.750	AN103134	4.500	3.500	AN103148
.750	(a)	AN103108	1.562	.562	AN103121	2.875	1.875	AN103135	4.625	3.625	AN103149
.812	(a)	AN103109	1.625	.625	AN103122	3.000	2.000	AN103136	4.750	3.750	AN103150
.875	(a)	AN103110	1.688	.688	AN103123	3.125	2.125	AN103137	4.875	3.875	AN103151
.938	(a)	AN103111	1.750	.750	AN103124	3.250	2.250	AN103138	5.000	4.000	AN103152
1.000	(a)	AN103112	1.812	.812	AN103125	3.375	2.375	AN103139	5.125	4.125	AN103153
1.062	(a)	AN103113	1.875	.875	AN103126	3.500	2.500	AN103140	5.250	4.250	AN103154
1.125	.125	AN103114	1.938	.938	AN103127	3.625	2.625	AN103141	5.375	4.375	AN103155
1.188	.188	AN103115	2.000	1.000	AN103128	3.750	2.750	AN103142	5.500	4.500	AN103156
1.250	.250	AN103116	2.125	1.125	AN103129	3.875	2.875	AN103143	5.625	4.625	AN103157
1.312	.312	AN103117	2.250	1.250	AN103130	4.000	3.000	AN103144	5.750	4.750	AN103158
1.375	.375	AN103118	2.375	1.375	AN103131	4.125	3.125	AN103145	5.875	4.875	AN103159
			2.500	1.500	AN103132	4.250	3.250	AN103146	6.000	5.000	AN103160

(a) THREAD TO HEAD. MAXIMUM TWO IMPERFECT THREADS.
 NOTE: (1) SHANK SHALL BE STRAIGHT WITHIN .0025 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 .017 FIR.

MATERIAL: STEEL AMS6322
 HARDNESS: ROCKWELL C26-32
 FINISH: CADMIUM PLATE AMS7400
 SURFACE ROUGHNESS: AS107
 MANUFACTURING SPECIFICATIONS: AMS7452

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-II CUST. NAVY-AS ARMY-AV	AIR FORCE-NAVY AERONAUTICAL STANDARD	AN103101 THRU AN103200
	BOLT - DRILLED HEX HEAD, 1 HOLE, .375-24	

APPROVED 8 June 49 REVISED 1 31 Aug 51 2 3 Mar 69 3 30 June 86