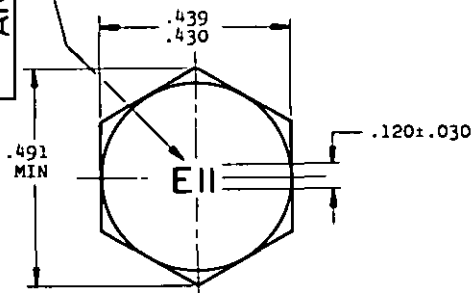
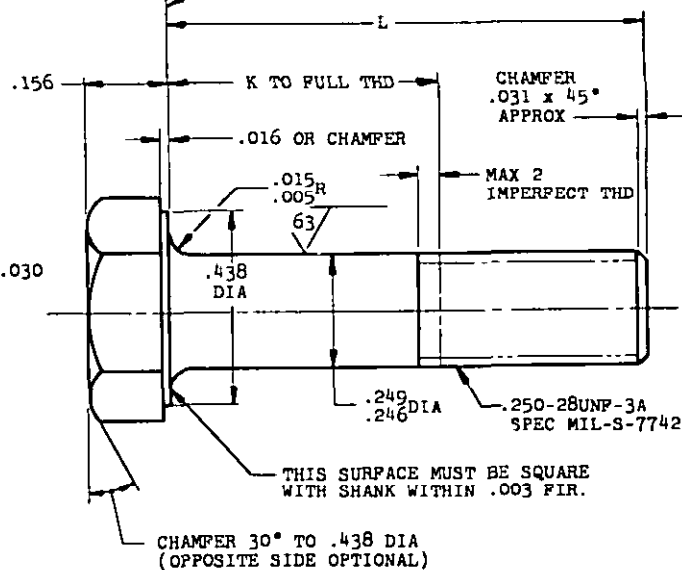


FED. SUP. CLASS.  
5306AN10101  
THRU  
AN101200MATERIAL IDENTIFICATION PER  
AMS2800. RAISED OR DEPRESSED  
.010 MAX

SECTION THRU THREAD PROFILE



| L     | K<br>+.000<br>-.060 | PART NO. | L     | K<br>+.000<br>-.060 | PART NO. | L     | K<br>+.000<br>-.060 | PART NO. | L     | K<br>+.000<br>-.060 | PART NO. |
|-------|---------------------|----------|-------|---------------------|----------|-------|---------------------|----------|-------|---------------------|----------|
| .500  | (a)                 | AN101106 | 1.312 | .688                | AN101119 | 2.625 | 2.000               | AN101133 | 4.375 | 3.750               | AN101147 |
| .562  | (a)                 | AN101107 | 1.375 | .750                | AN101120 | 2.750 | 2.125               | AN101134 | 4.500 | 3.875               | AN101148 |
|       |                     |          | 1.438 | .812                | AN101121 | 2.875 | 2.250               | AN101135 | 4.625 | 4.000               | AN101149 |
| .625  | (a)                 | AN101108 | 1.500 | .875                | AN101122 | 3.000 | 2.375               | AN101136 | 4.750 | 4.125               | AN101150 |
| .688  | (a)                 | AN101109 | 1.562 | .938                | AN101123 | 3.125 | 2.500               | AN101137 | 4.875 | 4.250               | AN101151 |
| .750  | .125                | AN101110 | 1.625 | 1.000               | AN101124 | 3.250 | 2.625               | AN101138 | 5.000 | 4.375               | AN101152 |
| .812  | .188                | AN101111 | 1.688 | 1.062               | AN101125 | 3.375 | 2.750               | AN101139 | 5.125 | 4.500               | AN101153 |
| .875  | .250                | AN101112 | 1.750 | 1.125               | AN101126 | 3.500 | 2.875               | AN101140 | 5.250 | 4.625               | AN101154 |
| .938  | .312                | AN101113 | 1.875 | 1.250               | AN101127 | 3.625 | 3.000               | AN101141 | 5.375 | 4.750               | AN101155 |
| 1.000 | .375                | AN101114 | 2.000 | 1.375               | AN101128 | 3.750 | 3.125               | AN101142 | 5.500 | 4.875               | AN101156 |
| 1.062 | .438                | AN101115 | 2.125 | 1.500               | AN101129 | 3.875 | 3.250               | AN101143 | 5.625 | 5.000               | AN101157 |
| 1.125 | .500                | AN101116 | 2.250 | 1.625               | AN101130 | 4.000 | 3.375               | AN101144 | 5.750 | 5.125               | AN101158 |
| 1.188 | .562                | AN101117 | 2.375 | 1.750               | AN101131 | 4.125 | 3.500               | AN101145 | 5.875 | 5.250               | AN101159 |
| 1.250 | .625                | AN101118 | 2.500 | 1.875               | AN101132 | 4.250 | 3.625               | AN101146 | 6.000 | 5.375               | AN101160 |

(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 .013 FIR.

MATERIAL: STEEL AMS6322

HARDNESS: ROCKWELL C26-32

FINISH: CADMIUM PLATE AMS2400

SURFACE ROUGHNESS: AS107

MANUFACTURING SPECIFICATION: AMS7452

- (1) INSPECTION: ALL PARTS SHALL UNDERGO MAGNETIC INSPECTION IN ACCORDANCE WITH AMS2840.  
 BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED: TOLERANCES; LINEAR DIMENSIONS  $\pm .010$ , ANGULAR DIMENSIONS  $\pm 2^\circ$ .

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 - HEX HEAD .250-28

AN10101  
 THRU  
 AN101200

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NOTE: This drawing was approved by joint action of the Air Force and Navy Departments as the Air Force-Navy standard for this product. This drawing supersedes all antecedent standard drawings for the same product and shall become effective for the procurement of aeronautical supplies, or for use in new designs, not later than 6 months after the latest date of approval shown.

APPROVED 8 June 49 REVISED 1 11 Aug 51 2 3 Mar 59 3 30 June 1948