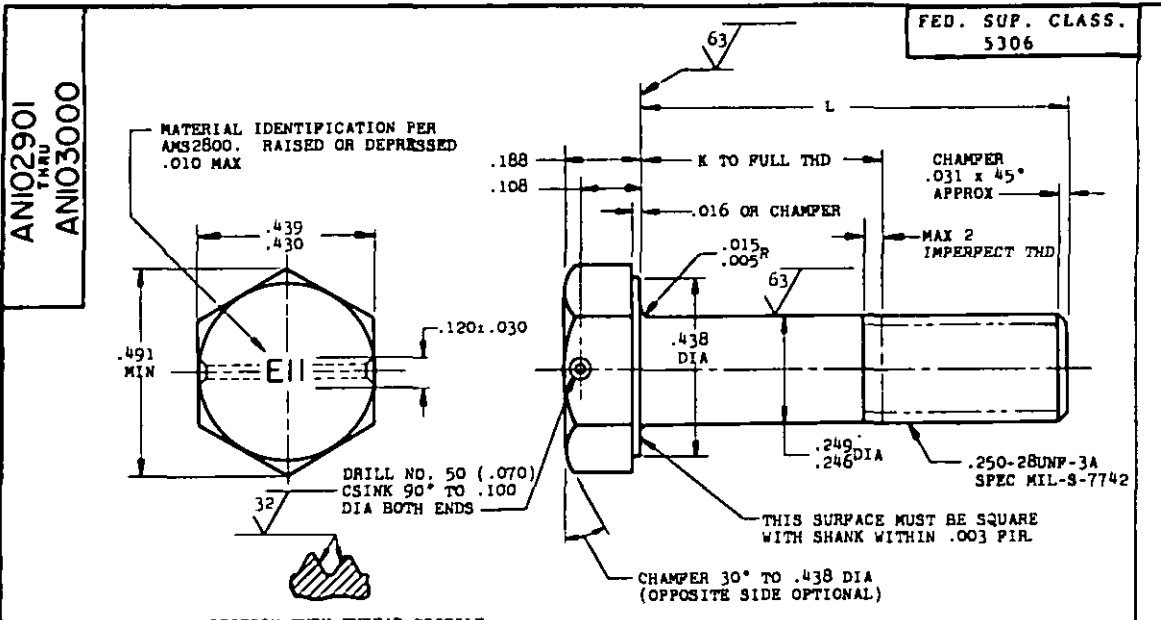


DISTRIBUTION STATEMENT: Approved for public release; distribution is unlimited.

NOTE: This drawing was prepared by joint action of the Air Force and Navy Departments as the Air Force standard for this product. This drawing supersedes all previous standard drawings for the same product and shall be used for the procurement of aeronautical supplies for the Air Force and Navy. After the latest date of approval, the Air Force and Navy Departments shall be responsible for any changes or amendments to this drawing. The Air Force and Navy Departments shall be responsible for any changes or amendments to this drawing.



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)                 | AN102906 | 1.312 | .562                | AN102919 | 2.625 | 1.875               | AN102933 | 4.375 | 3.625               | AN102947 |
| .562  | (a)                 | AN102907 | 1.375 | .625                | AN102920 | 2.750 | 2.000               | AN102934 | 4.500 | 3.750               | AN102948 |
| .625  | (a)                 | AN102908 | 1.500 | .750                | AN102922 | 3.000 | 2.250               | AN102936 | 4.750 | 4.000               | AN102950 |
| .688  | (a)                 | AN102909 | 1.562 | .812                | AN102923 | 3.125 | 2.375               | AN102937 | 4.875 | 4.125               | AN102951 |
| .750  | (a)                 | AN102910 | 1.625 | .875                | AN102924 | 3.250 | 2.500               | AN102938 | 5.000 | 4.250               | AN102952 |
| .812  | (a)                 | AN102911 | 1.688 | .938                | AN102925 | 3.375 | 2.625               | AN102939 | 5.125 | 4.375               | AN102953 |
| .875  | .125                | AN102912 | 1.750 | 1.000               | AN102926 | 3.500 | 2.750               | AN102940 | 5.250 | 4.500               | AN102954 |
| .938  | .188                | AN102913 | 1.875 | 1.125               | AN102927 | 3.625 | 2.875               | AN102941 | 5.375 | 4.625               | AN102955 |
| 1.000 | .250                | AN102914 | 2.000 | 1.250               | AN102928 | 3.750 | 3.000               | AN102942 | 5.500 | 4.750               | AN102956 |
| 1.062 | .312                | AN102915 | 2.125 | 1.375               | AN102929 | 3.875 | 3.125               | AN102943 | 5.625 | 4.875               | AN102957 |
| 1.125 | .375                | AN102916 | 2.250 | 1.500               | AN102930 | 4.000 | 3.250               | AN102944 | 5.750 | 5.000               | AN102958 |
| 1.188 | .438                | AN102917 | 2.375 | 1.625               | AN102931 | 4.125 | 3.375               | AN102945 | 5.875 | 5.125               | AN102959 |
| 1.250 | .500                | AN102918 | 2.500 | 1.750               | AN102932 | 4.250 | 3.500               | AN102946 | 6.000 | 5.250               | AN102960 |

(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

(3) 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 ±.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<br>CUST. NAVY-AS<br>ARMY-AV | AIR FORCE-NAVY AERONAUTICAL STANDARD     | AN102901<br>THRU<br>AN103000 |
|   | BOLT - DRILLED HEX HEAD, 1 HOLE, .250-28 |                              |

APPROVED 8 June 49 REVISED 131 Aug 51 3 Mar 69 30 June 86