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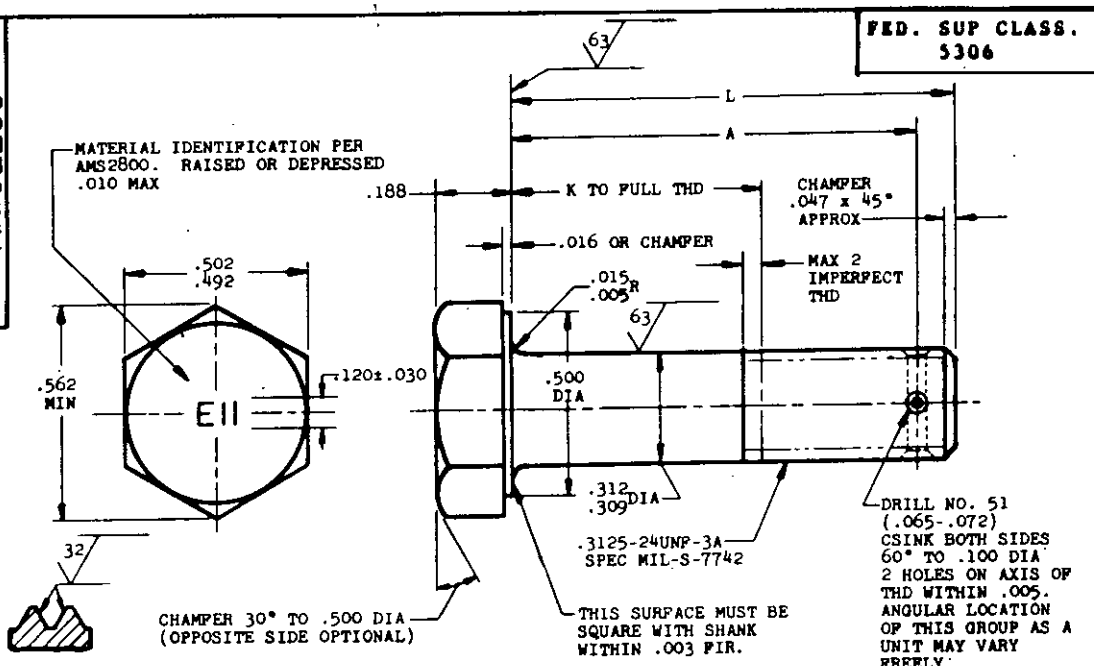
AN102101 THRU AN102200

FED. SUP CLASS. 5306




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

(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.

APPROVED 3 MAR 69 REVISED 30 JUNE 1986

| P.A. AF-11<br>CUST. NAVY-AS<br>ARMY-AV | AIR FORCE-NAVY AERONAUTICAL STANDARD<br>BOLT - HEX HEAD, DRILLED SHANK, .3125-24 | AN102101<br>THRU<br>AN102200 |
|---|---|---|

Project No. 5306-1006

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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 identical supplies, or for use in new design, not later than 6 months after the latest date of approval shown.