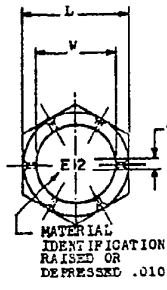
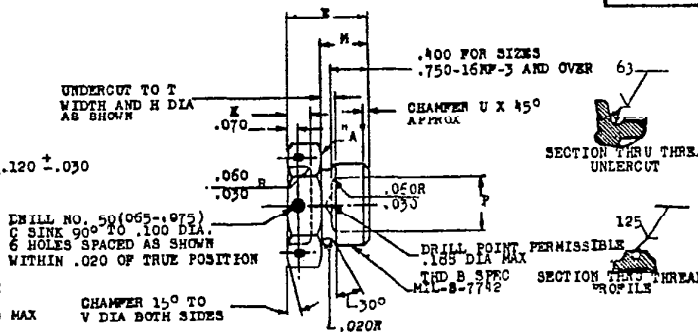
FED. SUP CLASS 5365

MS 123120 THRU MS 123150 (USAF)




| THD B | E | H DIA | J | K | L | M | P DIA | T | U | V DIA | W | WT.* LBS. | PART NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .250 -28 NF-3 | .580 | .155- .160 | .012 | .130 | .431- .440 | .320 | -- | .080-.095 | .020-.050 | .438 | .250 | .0037 | MS123120 |
| 13125-24 NF-3 | .580 | .219- .224 | .017 | .130 | .555- .564 | .360 | -- | .082-.097 | .020-.050 | .562 | .312 | .0065 | MS123121 |
| .375 -24 NF-3 | .590 | .285- .290 | .019 | .130 | .618- .627 | .360 | -- | .073-.088 | .020-.050 | .625 | .375 | .0083 | MS123122 |
| .4375-20 NF-3 | .640 | .348- .353 | .021 | .130 | .681- .690 | .400 | -- | .076-.091 | .030-.060 | .688 | .438 | .0116 | MS123123 |
| .500 -20 NF-3 | .650 | .411- .416 | .023 | .130 | .743- .752 | .400 | -- | .076-.091 | .030-.060 | .750 | .500 | .0139 | MS123124 |
| .5625-18 NF-3 | .660 | .478- .423 | .024 | .130 | .805- .814 | .400 | -- | .126-.141 | .040-.070 | .812 | .562 | .0190 | MS123125 |
| .625 -18 NF-3 | .730 | .480- .485 | .026 | .160 | .868- .877 | .440 | -- | .126-.141 | .040-.070 | .875 | .625 | .0228 | MS123126 |
| .750 -16 NF-3 | .730 | .606- .611 | .030 | .160 | .993-1.002 | .440 | .250 | .120-.135 | .040-.070 | 1.000 | .750 | .0309 | MS123127 |
| .875 -14 NF-3 | .740 | .727- .732 | .030 | .160 | 1.118-1.127 | .440 | .375 | .122-.127 | .050-.080 | 1.125 | .875 | .0414 | MS123128 |
| 1.000 -14 NF-3 | .780 | .859- .864 | .030 | .200 | 1.243-1.252 | .440 | .500 | .112-.127 | .050-.080 | 1.250 | 1.000 | .0543 | MS123129 |
| 1.0625-12 N-3 | .830 | .865- .870 | .030 | .200 | 1.368-1.377 | .480 | .562 | .157-.172 | .050-.080 | 1.375 | 1.062 | .0602 | MS123130 |
| 1.125 -12 N-3 | .830 | .928- .933 | .030 | .200 | 1.431-1.440 | .480 | .625 | .157-.172 | .050-.080 | 1.438 | 1.125 | .0650 | MS123131 |
| 1.250 -12 N-3 | .840 | 1.050-1.055 | .030 | .200 | 1.555-1.564 | .480 | .750 | .157-.172 | .050-.080 | 1.562 | 1.250 | .0724 | MS123132 |
| 1.3125-12 N-3 | .840 | 1.114-1.119 | .030 | .200 | 1.618-1.627 | .480 | .812 | .157-.172 | .050-.080 | 1.625 | 1.312 | .0790 | MS123133 |
| 1.375 -12 N-3 | .840 | 1.175-1.180 | .030 | .200 | 1.681-1.690 | .480 | .875 | .157-.172 | .050-.080 | 1.688 | 1.375 | .0844 | MS123134 |
| 1.500 -12 N-3 | .850 | 1.303-1.308 | .030 | .200 | 1.743-1.752 | .480 | .984 | .157-.172 | .050-.080 | 1.750 | 1.438 | .0935 | MS123135 |
| 1.625 -12 N-3 | .850 | 1.428-1.433 | .030 | .200 | 1.931-1.940 | .480 | 1.125 | .157-.172 | .050-.080 | 1.939 | 1.625 | .1058 | MS123136 |
| 1.750 -12 N-3 | .850 | 1.553-1.558 | .050 | .200 | 2.054-2.064 | .480 | 1.250 | .157-.172 | .050-.080 | 2.062 | 1.750 | .1182 | MS123137 |
| 1.875 -12 N-3 | .860 | 1.675-1.680 | .050 | .200 | 2.180-2.190 | .480 | 1.375 | .157-.172 | .050-.080 | 2.188 | 1.875 | .1300 | MS123138 |
| 2.000 -12 N-3 | .860 | 1.801-1.806 | .050 | .200 | 2.304-2.314 | .480 | 1.500 | .157-.172 | .050-.080 | 2.312 | 2.000 | .1432 | MS123139 |
| 2.125 -12 N-3 | .860 | 1.931-1.936 | .050 | .200 | 2.430-2.440 | .480 | 1.625 | .157-.172 | .050-.080 | 2.438 | 2.125 | .1573 | MS123140 |
| 2.250 -12 N-3 | .870 | 2.053-2.058 | .050 | .200 | 2.554-2.564 | .480 | 1.750 | .157-.172 | .050-.080 | 2.562 | 2.250 | .1715 | MS123141 |
| 2.375 -12 N-3 | .870 | 2.178-2.183 | .050 | .200 | 2.680-2.690 | .480 | 1.875 | .157-.172 | .050-.080 | 2.688 | 2.375 | .1857 | MS123142 |
| 2.500 -12 N-3 | .870 | 2.303-2.308 | .050 | .200 | 2.804-2.814 | .480 | 2.000 | .157-.172 | .050-.080 | 2.812 | 2.500 | .2030 | MS123143 |

NOTE: (1) THE CONCENTRICITY OF THE HEXAGON WITH THE THREAD PD SHALL BE WITHIN J FIR.
(2) "A" SURFACES AND PD OF THREAD MUST BE CONCENTRIC, PARALLEL, FLAT, SQUARE AND TRUE (AS APPLICABLE) TO EACH OTHER WITHIN .005 FULL INDICATOR READING UNLESS OTHERWISE SPECIFIED.

MATERIAL: ALUMINUM AMS 4120

FINISH: ANODIC TREATMENT AMS 2470. DO NOT DYE.

SURFACE ROUGHNESS: AS 107

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.

* APPROXIMATE WEIGHT LBS/EA

(C) REINSTATED AS AN INACTIVE STANDARD AFTER 7 JUNE 1972
NO SUPERSEDING STANDARD

THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE ENGINE AND PROPELLER UTILITY PARTS COMMITTEE OF THE SAE.

APPROVED 24 Mar 53 REVISED (A) 25 Apr 56 (B) 1 Sep 71 (C) 7 June 72

P.A. AIR FORCE-82
Other Cust

PROCUREMENT SPECIFICATION NONE

# MILITARY STANDARD

FLUG - STRAIGHT THREAD, "O" RING SEAL, ALUMINUM

MS 123120 THRU 123150 (USAF)

SHEET 1 OF 1

Review activities: Air Force-11

NOTICE: When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility, nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.