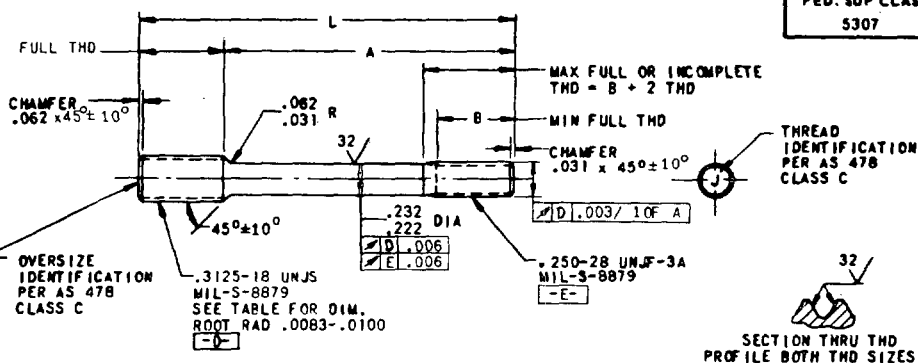


MS9828SECTION THRU THD
PROFILE BOTH THD SIZES

| OVERSIZE IDENTIFICATION | | | STANDARD | + .003 | + .006 | + .009 | + .012 | STANDARD |
|-------------------------|-------|------|-------------|-------------|-------------|-------------|-------------|--------------------------|
| | | | 3 | 6 | 9 | 12 | | |
| MAJOR DIAMETER | | | .307-.312 | .307-.312 | .307-.312 | .316-.321 | .316-.321 | APPROX WEIGHT LBS/100 |
| PD BEFORE PLATING | | | .2805-.2815 | .2835-.2845 | .2865-.2875 | .2895-.2905 | .2925-.2935 | |
| PD AFTER PLATING | | | .2810-.2825 | .2840-.2855 | .2870-.2885 | .2900-.2915 | .2930-.2945 | |
| PD LEAD THREAD | | | .2744-.2764 | .2774-.2794 | .2804-.2824 | .2834-.2854 | .2864-.2884 | |
| MINOR DIA | | | .2496-.2544 | .2526-.2574 | .2556-.2604 | .2586-.2634 | .2616-.2664 | |
| L | A | B | PART NUMBER | PART NUMBER | PART NUMBER | PART NUMBER | PART NUMBER | |
| 1.188 | .562 | .438 | MS9828-011 | MS9828-012 | MS9828-013 | MS9828-014 | MS9828-015 | 1.75 |
| 1.250 | .625 | .500 | MS9828-016 | MS9828-017 | MS9828-018 | MS9828-019 | MS9828-020 | 1.82 |
| 1.312 | .688 | .562 | MS9828-021 | MS9828-022 | MS9828-023 | MS9828-024 | MS9828-025 | 1.90 |
| 1.375 | .750 | .562 | MS9828-026 | MS9828-027 | MS9828-028 | MS9828-029 | MS9828-030 | 1.97 |
| 1.438 | .812 | .562 | MS9828-031 | MS9828-032 | MS9828-033 | MS9828-034 | MS9828-035 | 2.04 |
| 1.500 | .875 | .562 | MS9828-036 | MS9828-037 | MS9828-038 | MS9828-039 | MS9828-040 | 2.11 |
| 1.562 | .938 | .562 | MS9828-041 | MS9828-042 | MS9828-043 | MS9828-044 | MS9828-045 | 2.18 |
| 1.625 | 1.000 | .562 | MS9828-046 | MS9828-047 | MS9828-048 | MS9828-049 | MS9828-050 | 2.23 |
| 1.688 | 1.062 | .562 | MS9828-051 | MS9828-052 | MS9828-053 | MS9828-054 | MS9828-055 | 2.32 |
| 1.750 | 1.125 | .562 | MS9828-056 | MS9828-057 | MS9828-058 | MS9828-059 | MS9828-060 | 2.40 |
| 1.812 | 1.188 | .562 | MS9828-061 | MS9828-062 | MS9828-063 | MS9828-064 | MS9828-065 | 2.47 |
| 1.875 | 1.250 | .562 | MS9828-066 | MS9828-067 | MS9828-068 | MS9828-069 | MS9828-070 | 2.54 |
| 1.938 | 1.312 | .562 | MS9828-071 | MS9828-072 | MS9828-073 | MS9828-074 | MS9828-075 | 2.61 |
| 2.000 | 1.375 | .562 | MS9828-076 | MS9828-077 | MS9828-078 | MS9828-079 | MS9828-080 | 2.68 |
| 2.062 | 1.438 | .562 | MS9828-081 | MS9828-082 | MS9828-083 | MS9828-084 | MS9828-085 | 2.76 |
| 2.125 | 1.500 | .562 | MS9828-086 | MS9828-087 | MS9828-088 | MS9828-089 | MS9828-090 | 2.83 |
| 2.188 | 1.562 | .562 | MS9828-091 | MS9828-092 | MS9828-093 | MS9828-094 | MS9828-095 | 2.90 |
| 2.250 | 1.625 | .562 | MS9828-096 | MS9828-097 | MS9828-098 | MS9828-099 | MS9828-100 | 2.97 |
| 2.312 | 1.688 | .562 | MS9828-101 | MS9828-102 | MS9828-103 | MS9828-104 | MS9828-105 | 3.04 |
| 2.375 | 1.750 | .562 | MS9828-106 | MS9828-107 | MS9828-108 | MS9828-109 | MS9828-110 | 3.11 |
| 2.438 | 1.812 | .562 | MS9828-111 | MS9828-112 | MS9828-113 | MS9828-114 | MS9828-115 | 3.19 |
| 2.500 | 1.875 | .562 | MS9828-116 | MS9828-117 | MS9828-118 | MS9828-119 | MS9828-120 | 3.26 |
| 2.562 | 1.938 | .562 | MS9828-121 | MS9828-122 | MS9828-123 | MS9828-124 | MS9828-125 | 3.33 |
| 2.625 | 2.000 | .562 | MS9828-126 | MS9828-127 | MS9828-128 | MS9828-129 | MS9828-130 | 3.40 |
| 2.688 | 2.062 | .562 | MS9828-131 | MS9828-132 | MS9828-133 | MS9828-134 | MS9828-135 | 3.47 |
| 2.750 | 2.125 | .562 | MS9828-136 | MS9828-137 | MS9828-138 | MS9828-139 | MS9828-140 | 3.54 |
| 2.812 | 2.188 | .562 | MS9828-141 | MS9828-142 | MS9828-143 | MS9828-144 | MS9828-145 | 3.62 |
| 2.875 | 2.250 | .562 | MS9828-146 | MS9828-147 | MS9828-148 | MS9828-149 | MS9828-150 | 3.69 |
| 2.938 | 2.312 | .562 | MS9828-151 | MS9828-152 | MS9828-153 | MS9828-154 | MS9828-155 | 3.76 |
| 3.000 | 2.375 | .562 | MS9828-156 | MS9828-157 | MS9828-158 | MS9828-159 | MS9828-160 | 3.83 |
| 3.125 | 2.500 | .562 | MS9828-161 | MS9828-162 | MS9828-163 | MS9828-164 | MS9828-165 | 3.97 |
| 3.250 | 2.625 | .562 | MS9828-166 | MS9828-167 | MS9828-168 | MS9828-169 | MS9828-170 | 4.12 |
| 3.375 | 2.750 | .562 | MS9828-171 | MS9828-172 | MS9828-173 | MS9828-174 | MS9828-175 | 4.26 |
| 3.500 | 2.875 | .562 | MS9828-176 | MS9828-177 | MS9828-178 | MS9828-179 | MS9828-180 | 4.40 |
| 3.625 | 3.000 | .562 | MS9828-181 | MS9828-182 | MS9828-183 | MS9828-184 | MS9828-185 | 4.55 |

1. MATERIAL: STEEL, AMS 6320, AMS 6322 OR AMS 6327
2. HARDNESS: ROCKWELL C26-32.
3. FINISH: CADMIUM PLATE AMS 2400. DIMENSIONS ARE AFTER PLATING EXCEPT WHERE SHOWN.
4. SURFACE TEXTURE: ANSI B46.1-1982. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES.
5. DIMENSIONING AND TOLERANCING: ANSI Y14.5-1966.
6. MANUFACTURING SPECIFICATION: AMS 7456 EXCEPT THREAD FORM.
7. MAGNETIC PARTICLE INSPECTION PER AMS 2640 AFTER PLATING.
8. BREAK SHARP EDGES .003 - .015 UNLESS OTHERWISE SPECIFIED.
9. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS $\pm .010$.
10. MARK PART NUMBER AND MANUFACTURERS IDENTIFICATION ON CONTAINER.
11. DO NOT USE UNASSIGNED PART NUMBERS.

AS & AMS ARE SOCIETY OF AUTOMOTIVE ENGINEERS, INC. PUBLICATIONS.
THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE MILITARY SERVICES BY THE SAE AEROSPACE PART STANDARDS DIV.

| | | |
|---------------------------------------|---|-------------------|
| P.A. Air Force-11 | TITLE | MILITARY STANDARD |
| Other Cost | STUD-STEPPED, 2 DIA ENGAGEMENT, STEEL .3125-18 UNJS x .250-28 UNJF | MS9828 |
| Navy-AS | | |
| PROCUREMENT SPECIFICATION AMS 7456 | SUPERSEDES: | SHEET 1 OF 1 |

DD FORM 672-1 (Limited coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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This standard has been approved by the Dept. of the Air Force and the Department of the Navy and is mandatory for use by their activity. All other military activities are required to supply this standard where suitable.

Review activities:
Air Force - 62

APPROVED 27 Aug 71 REVISED