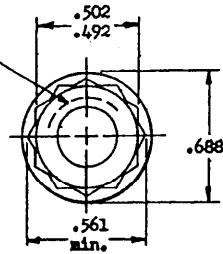
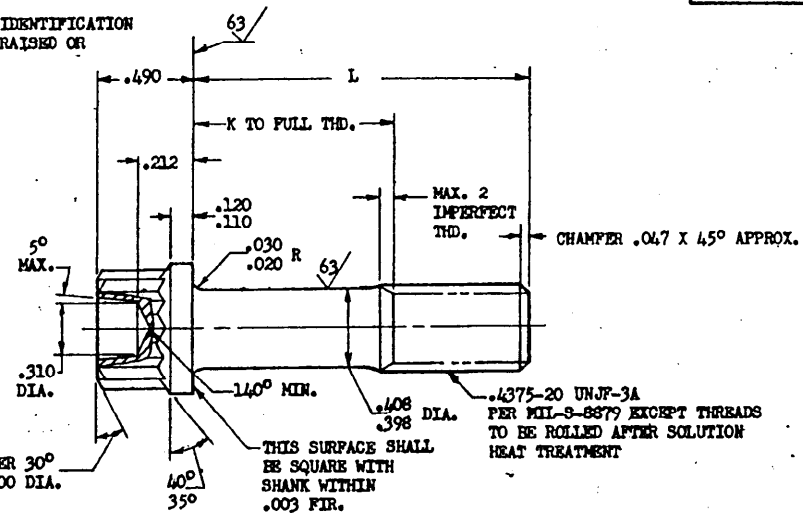


FED. SUP. CLASS  
5306MS21283 AND MANUFACTURER'S IDENTIFICATION  
.047 MIN. HIGH CHARACTERS RAISED OR  
DEPRESSED .010 MAX.CHAMFER 30°  
TO .500 DIA.

## SECTION THRU THREAD PROFILE

| PART NO.   | L     | K<br>+.000<br>-.060 | APPROX.<br>WEIGHT<br>LB/100 | PART NO.   | L     | K<br>+.000<br>-.060 | APPROX.<br>WEIGHT<br>LB/100 | PART NO.   | L     | K<br>+.000<br>-.060 | APPROX.<br>WEIGHT<br>LB/100 |
|------------|-------|---------------------|-----------------------------|------------|-------|---------------------|-----------------------------|------------|-------|---------------------|-----------------------------|
| MS21283-06 | .812  | (a)                 | 5.51                        | MS21283-24 | 2.125 | 1.000               | 10.38                       | MS21283-45 | 4.750 | 3.625               | 20.12                       |
| MS21283-07 | .875  | (a)                 | 5.74                        | MS21283-25 | 2.250 | 1.125               | 10.85                       | MS21283-46 | 4.875 | 3.750               | 20.59                       |
| MS21283-08 | .938  | (a)                 | 5.97                        | MS21283-26 | 2.375 | 1.250               | 11.32                       | MS21283-47 | 5.000 | 3.875               | 21.05                       |
| MS21283-09 | 1.000 | (a)                 | 6.20                        | MS21283-27 | 2.500 | 1.375               | 11.79                       | MS21283-48 | 5.125 | 4.000               | 21.51                       |
| MS21283-10 | 1.062 | (a)                 | 6.43                        | MS21283-28 | 2.625 | 1.500               | 12.26                       | MS21283-49 | 5.250 | 4.125               | 21.97                       |
| MS21283-11 | 1.125 | (a)                 | 6.67                        | MS21283-29 | 2.750 | 1.625               | 12.72                       | MS21283-50 | 5.375 | 4.250               | 22.33                       |
| MS21283-12 | 1.188 | (a)                 | 6.90                        | MS21283-30 | 2.875 | 1.750               | 13.19                       | MS21283-51 | 5.500 | 4.375               | 22.80                       |
| MS21283-13 | 1.250 | .125                | 7.13                        | MS21283-31 | 3.000 | 1.875               | 13.66                       | MS21283-52 | 5.625 | 4.500               | 23.27                       |
| MS21283-14 | 1.312 | .188                | 7.36                        | MS21283-32 | 3.125 | 2.000               | 14.12                       | MS21283-53 | 5.750 | 4.625               | 23.74                       |
| MS21283-15 | 1.375 | .250                | 7.59                        | MS21283-33 | 3.250 | 2.125               | 14.59                       | MS21283-54 | 5.875 | 4.750               | 24.21                       |
| MS21283-16 | 1.438 | .312                | 7.82                        | MS21283-34 | 3.375 | 2.250               | 15.06                       | MS21283-55 | 6.000 | 4.875               | 24.67                       |
| MS21283-17 | 1.500 | .375                | 8.05                        | MS21283-35 | 3.500 | 2.375               | 15.52                       |            |       |                     |                             |
| MS21283-18 | 1.562 | .438                | 8.27                        | MS21283-36 | 3.625 | 2.500               | 15.99                       |            |       |                     |                             |
| MS21283-19 | 1.625 | .500                | 8.50                        | MS21283-37 | 3.750 | 2.625               | 16.45                       |            |       |                     |                             |
| MS21283-20 | 1.688 | .562                | 8.73                        | MS21283-38 | 3.875 | 2.750               | 16.92                       |            |       |                     |                             |
| MS21283-21 | 1.750 | .625                | 8.96                        | MS21283-39 | 4.000 | 2.875               | 17.39                       |            |       |                     |                             |
| MS21283-22 | 1.875 | .750                | 9.43                        | MS21283-40 | 4.125 | 3.000               | 17.85                       |            |       |                     |                             |
| MS21283-23 | 2.000 | .875                | 9.90                        | MS21283-41 | 4.250 | 3.125               | 18.31                       |            |       |                     |                             |
|            |       |                     |                             | MS21283-42 | 4.375 | 3.250               | 18.75                       |            |       |                     |                             |
|            |       |                     |                             | MS21283-43 | 4.500 | 3.375               | 19.31                       |            |       |                     |                             |
|            |       |                     |                             | MS21283-44 | 4.625 | 3.500               | 19.66                       |            |       |                     |                             |

(a) THREAD TO HEAD. MAXIMUM TWO IMPERFECT THREADS. EXCEPT INCOMPLETE THREADS NOT TO ENTER FILLET RADIUS.

- NOTE: (1) SHANK SHALL BE STRAIGHT WITHIN .0025 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 DOUBLE HEXAGON O.D. SHALL BE WITHIN .019 FIR.

MATERIAL: CORROSION AND HEAT RESISTANT STEEL AMS 5735

MANUFACTURING SPECIFICATION: AMS 7478 EXCEPT HEADS TO BE FORMED BY HOT OR COLD UPSETTING

PART SUBJECT TO FLUORESCENT PENETRANT INSPECTION PER AMS 2645

SURFACE ROUGHNESS: MIL-STD-10 UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES

BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED: TOLERANCES: LINEAR DIMENSIONS  $\pm .010$ , ANGULAR DIMENSIONS  $\pm 5^\circ$ .

DO NOT USE UNASSIGNED PART NUMBERS.

P.A. Navy - Wep

Other Cust Air Force - ASD

TITLE

BOLT, MACHINE - STEEL, DOUBLE HEXAGON, EXTENDED WASHER, .4375-20  
(MIL-S-8879 THREAD)

MILITARY STANDARD

MS21283 (ASG)

PROCUREMENT SPECIFICATION  
NONE

SUPERSEDES:

SHEET 1 OF 1

This standard was approved by the Bureau (Department of the Navy) and the Department of the USAF and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

APPROVED 1 May 61 REVISED (A) 23 Oct 61 (B) 17 Sep 63