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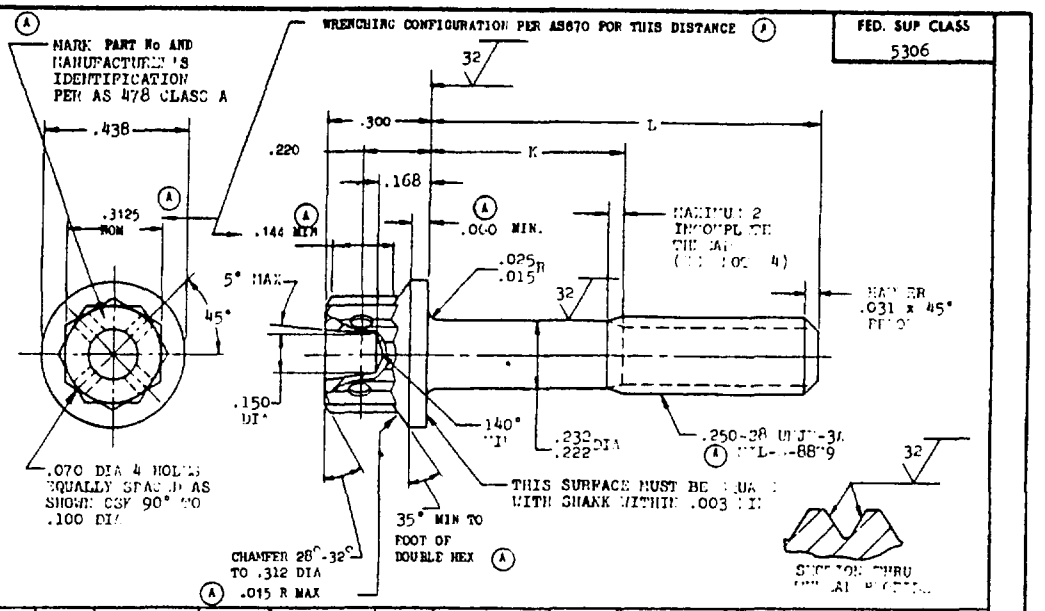
# MS9566

FED. SUP CLASS 5306




| PART NO. | L | K | APPROX WEIGHT LB/100 | PART NO. | L | K | APPROX WEIGHT LB/100 | PART NO. | L | K | APPROX WEIGHT LB/100 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MS9566-04 | .375 | .079- .099 | 1.14 | MS9566-25 | 1.688 | .878- .938 | 2.64 | MS9566-47 | 4.250 | 3.440-3.500 | 5.56 |
| MS9566-05 | .438 | .079- .099 | 1.21 | MS9566-26 | 1.750 | .940-1.000 | 2.72 | MS9566-47 | 4.375 | 3.565-3.625 | 5.71 |
| MS9566-06 | .500 | .079- .099 | 1.29 | MS9566-27 | 1.875 | 1.065-1.125 | 2.86 | MS9566-48 | 4.500 | 3.690-3.750 | 5.85 |
| MS9566-07 | .562 | .079- .099 | 1.36 | MS9566-28 | 2.000 | 1.190-1.250 | 3.00 | MS9566-49 | 4.625 | 3.815-3.875 | 6.00 |
| MS9566-08 | .625 | .079- .099 | 1.44 | MS9566-29 | 2.125 | 1.315-1.375 | 3.14 | MS9566-50 | 4.750 | 3.940-4.000 | 6.14 |
| MS9566-09 | .688 | .079- .099 | 1.51 | MS9566-30 | 2.250 | 1.440-1.500 | 3.29 | MS9566-51 | 4.875 | 4.065-4.125 | 6.29 |
| MS9566-10 | .750 | .079- .099 | 1.58 | MS9566-31 | 2.375 | 1.565-1.625 | 3.43 | MS9566-52 | 5.000 | 4.190-4.250 | 6.43 |
| MS9566-11 | .812 | .079- .099 | 1.65 | MS9566-32 | 2.500 | 1.690-1.750 | 3.57 | MS9566-53 | 5.125 | 4.315-4.375 | 6.56 |
| MS9566-12 | .875 | .079- .125 | 1.72 | MS9566-33 | 2.625 | 1.815-1.875 | 3.71 | MS9566-54 | 5.250 | 4.440-4.500 | 6.70 |
| MS9566-13 | .938 | .128- .188 | 1.79 | MS9566-34 | 2.750 | 1.940-2.000 | 3.85 | MS9566-55 | 5.375 | 4.565-4.625 | 6.84 |
| MS9566-14 | 1.000 | .190- .250 | 1.86 | MS9566-35 | 2.875 | 2.065-2.125 | 4.00 | MS9566-56 | 5.500 | 4.690-4.750 | 6.99 |
| MS9566-15 | 1.062 | .252- .312 | 1.93 | MS9566-36 | 3.000 | 2.190-2.250 | 4.14 | MS9566-57 | 5.625 | 4.815-4.875 | 7.13 |
| MS9566-16 | 1.125 | .315- .375 | 2.00 | MS9566-37 | 3.125 | 2.315-2.375 | 4.29 | MS9566-58 | 5.750 | 4.940-5.000 | 7.28 |
| MS9566-17 | 1.188 | .378- .438 | 2.08 | MS9566-38 | 3.250 | 2.440-2.500 | 4.43 | MS9566-59 | 5.875 | 5.065-5.125 | 7.42 |
| MS9566-18 | 1.250 | .440- .500 | 2.15 | MS9566-39 | 3.375 | 2.565-2.625 | 4.58 | MS9566-60 | 6.000 | 5.190-5.250 | 7.57 |
| MS9566-19 | 1.312 | .502- .562 | 2.22 | MS9566-40 | 3.500 | 2.690-2.750 | 4.72 | MS9566 - 61 | 1.812 | 1.002 - 1.062 | 2.79 (A) |
| MS9566-20 | 1.375 | .565- .625 | 2.29 | MS9566-41 | 3.625 | 2.815-2.875 | 4.85 | MS9566 - 62 | 1.938 | 1.128 - 1.188 | 2.93 (A) |
| MS9566-21 | 1.438 | .628- .688 | 2.36 | MS9566-42 | 3.750 | 2.940-3.000 | 4.99 | | | | |
| MS9566-22 | 1.500 | .690- .750 | 2.43 | MS9566-43 | 3.875 | 3.065-3.125 | 5.13 | | | | |
| MS9566-23 | 1.562 | .752- .812 | 2.50 | MS9566-44 | 4.000 | 3.190-3.250 | 5.27 | | | | |
| MS9566-24 | 1.625 | .815- .875 | 2.57 | MS9566-45 | 4.125 | 3.315-3.375 | 5.42 | | | | |

1. SHANK SHALL BE STRAIGHT WITHIN .003 TOTAL PER INCH OF BOLT LENGTH. (A)
2. THE CONCENTRICITY OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .000 FIR.
3. THE CONCENTRICITY OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND DOUBLE HEXAGON OD SHALL BE WITHIN .007 FIR.
4. INCOMPLETE THREADS NOT TO ENTER FILLET.
5. MATERIAL: CORROSION AND HEAT RESISTANT STEEL AMS 5731.
6. MANUFACTURING SPECIFICATION: AMS 7477.
7. FLUORESCENT PENETRANT INSPECTION PER AMS 2645.
8. SURFACE TEXTURE: USAS B46.1-1962. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES EXCEPT (A) UPSET HEAD.
9. BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
10. DIMENSION IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ± .010, ANGULAR DIMENSIONS ± 5°.
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 DIVISION (A)

APPROVED 16 Dec 65 REVISED (A) 17 Nov 69

P.A. USAF - 11
Other Cust (A)
Navy - AS
Army - AV

TITLE
(A) BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, AMS 5731, .250-28UNJF-3A

**MILITARY STANDARD**

**MS9566**

PROCUREMENT SPECIFICATION NONE

SUPERSEDES:

SHEET 1 OF 1

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

E-25-164-1

Review activities: Army - MC USAF - 68, 69

User activities:

This military standard is approved by the Department of Defense and is mandatory on all activities. Suggestions for all new engineering and design applications and for revisions now shall be made from this document.