

MS9501

FED. SUP CLASS  
5306

MARK PART NUMBER AND MANUFACTURER IDENTIFICATION PER AS 478 CLASS A

VIEW A ENLARGED

.060-.070 DIA ONE 90° TO .100 DIA BOTH ENDS

.308 DIA MIN BEARING SURFACE

.448 DIA MAX

CHAMFER .051 X .45° APPROX

CHAMFER .30° TO .43° DIAMETER

SECTION THROUGH THREAD PROFILE

MAXIMUM 2 INCOMPLETE THREADS (SEE NOTE 4)

THIS SURFACE MUST BE SQUARE WITH CHAMFER WITHIN .003 FIL

.248 DIA

.246 DIA

.750-88 UNJT-3A MIL-B-8879

PART NUMBER	L	K	APPROX WEIGHT LB/100	PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9501-02	1.812	1.088-1.842	3.27	MS9501-31	2.375	1.565-1.625	4.05
MS9501-03	1.934	1.128-1.188	3.44	MS9501-32	2.500	1.600-1.730	4.28
MS9501-04	.775	.075-.099	1.30	MS9501-33	2.625	1.685-1.875	4.39
MS9501-05	.938	.075-.099	1.38	MS9501-34	2.750	1.948-2.000	4.56
MS9501-06	.900	.075-.099	1.47	MS9501-35	2.875	2.065-2.125	4.74
MS9501-07	.962	.075-.099	1.52	MS9501-36	3.000	2.190-2.250	4.91
MS9501-08	.988	.075-.099	1.56	MS9501-37	3.125	2.315-2.375	5.08
MS9501-09	.988	.075-.099	1.56	MS9501-38	3.250	2.440-2.500	5.25
MS9501-10	.750	.075-.099	1.73	MS9501-39	3.375	2.565-2.625	5.42
MS9501-11	.812	.075-.099	1.80	MS9501-40	3.500	2.690-2.750	5.60
MS9501-12	.875	.075-.125	1.90	MS9501-41	3.625	2.815-2.875	5.77
MS9501-13	.938	.128-.188	2.07	MS9501-42	3.750	2.940-3.000	5.94
MS9501-14	1.000	.150-.250	2.16	MS9501-43	3.875	3.065-3.125	6.11
MS9501-15	1.062	.228-.312	2.24	MS9501-44	4.000	3.190-3.250	6.28
MS9501-16	1.125	.315-.375	2.33	MS9501-45	4.125	3.315-3.375	6.46
MS9501-17	1.188	.378-.438	2.41	MS9501-46	4.250	3.440-3.500	6.63
MS9501-18	1.250	.450-.500	2.50	MS9501-47	4.375	3.565-3.625	6.80
MS9501-19	1.312	.508-.520	2.58	MS9501-48	4.500	3.690-3.750	6.97
MS9501-20	1.375	.565-.615	2.67	MS9501-49	4.625	3.815-3.875	7.14
MS9501-21	1.438	.628-.628	2.76	MS9501-50	4.750	3.940-4.000	7.31
MS9501-22	1.500	.690-.730	2.84	MS9501-51	4.875	4.065-4.125	7.48
MS9501-23	1.562	.758-.812	2.93	MS9501-52	5.000	4.190-4.250	7.66
MS9501-24	1.625	.815-.875	3.02	MS9501-53	5.125	4.315-4.375	7.83
MS9501-25	1.688	.878-.938	3.10	MS9501-54	5.250	4.440-4.500	8.00
MS9501-26	1.750	.940-1.000	3.19	MS9501-55	5.375	4.565-4.625	8.18
MS9501-27	1.812	1.065-1.125	3.28	MS9501-56	5.500	4.690-4.750	8.35
MS9501-28	2.000	1.190-1.250	3.36	MS9501-57	5.625	4.815-4.875	8.52
MS9501-29	2.125	1.315-1.375	3.45	MS9501-58	5.750	4.940-5.000	8.69
MS9501-30	2.250	1.440-1.500	3.54	MS9501-59	5.875	5.065-5.125	8.86
				MS9501-60	6.000	5.190-5.250	9.00

1. SHANK SHALL BE STRAIGHT WITHIN .003 TOTAL PER INCH OF BOLT LENGTH

2. THE CONCENTRICITY OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .006 FIL.

3. THE CONCENTRICITY OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND HEXAGON SHALL BE WITHIN .013 FIL.

4. INCOMPLETE THREADS NOT TO ENTER FILLET.

5. MATERIALS CORROSION AND HEAT RESISTANT STEEL AND 3711.

6. MANUFACTURER SPECIFICATION: AMS 7477.

7. FINISHES: FRICTIONAL INSPECTOR: PER AMS 2055.

8. SURFACE TEXTURE: MEAS 846.1-1963 UNLESS OTHERWISE SPECIFIED SURFACES TO BE 125 MICROINCHES EXCEPT HEXAGON

9. BREAK SHANK ENDS .003-.015 UNLESS OTHERWISE SPECIFIED.

10. DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED. TOLERANCES: LINEAR DIMENSIONS ± .010, ANGULAR DIMENSIONS ± 5°.

11. DO NOT USE UNMARKED PART NUMBERS.

AS A AND ARE SOCIETY OF AERONAUTIC ENGINEERS, INC. PUBLICATIONS.

THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE MILITARY SERVICES BY THE SAE AIRSPACE PART STANDARD DIVISION.

APPROVED 5 May 1945

REVISED 17 May 67

**MILITARY STANDARD**

MS9501

SHEET 1 OF 1

PROCUREMENT SPECIFICATION: SUPERSIZES.

DD FORM 672-1 (Coord. Ed.)

REPRODUCED WITH PERMISSION FROM THE MILITARY SERVICES

Review activities: Army - 45, AF - 45, Navy - 45, AF - 45

This military standard is approved by the Department of Defense and is mandatory on all activities. Attention is directed to all new engineering and design applications and to repetitive use shall be made from this document.