

FED. SUP CLASS
5306

MS9531

MARK PART NUMBER AND MANUFACTURERS
IDENTIFICATION PER AS478 CLASS A

MAXIMUM 2
INCOMPLETE
THREADS
(SEE NOTE 4)

CHAMFER .047 x 45° APPROX

.3125-24 UNJP-3A
MIL-S-8879

THIS SURFACE MUST BE SQUARE
WITH SHANK WITHIN .003 FIR.

CHAMFER 30° TO .500 DIAMETER

VIEW A
ENLARGED

SECTION THROUGH THREAD PROFILE

PART NUMBER	L	K	APPROX WEIGHT LB/100	PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9531-04	.500	.088-.108	2.05	MS9531-31	2.625	1.690-1.750	5.88
MS9531-05	.562	.088-.108	2.16	MS9531-32	2.750	1.815-1.875	6.10
MS9531-06	.625	.088-.108	2.27	MS9531-33	2.875	1.940-2.000	6.33
MS9531-07	.688	.088-.108	2.38	MS9531-34	3.000	2.065-2.125	6.55
MS9531-08	.750	.088-.108	2.49	MS9531-35	3.125	2.190-2.250	6.78
MS9531-09	.812	.088-.108	2.60	MS9531-36	3.250	2.315-2.375	7.01
MS9531-10	.875	.088-.108	2.72	MS9531-37	3.375	2.440-2.500	7.23
MS9531-11	.938	.088-.108	2.83	MS9531-38	3.500	2.565-2.625	7.46
MS9531-12	1.000	.088-.125	2.94	MS9531-39	3.625	2.690-2.750	7.68
MS9531-13	1.062	.128-.188	3.06	MS9531-40	3.750	2.815-2.875	7.91
MS9531-14	1.125	.190-.250	3.17	MS9531-41	3.875	2.940-3.000	8.13
MS9531-15	1.188	.253-.313	3.28	MS9531-42	4.000	3.065-3.125	8.36
MS9531-16	1.250	.315-.375	3.39	MS9531-43	4.125	3.190-3.250	8.59
MS9531-17	1.312	.377-.437	3.51	MS9531-44	4.250	3.315-3.375	8.81
MS9531-18	1.375	.440-.500	3.62	MS9531-45	4.375	3.440-3.500	9.04
MS9531-19	1.438	.503-.563	3.73	MS9531-46	4.500	3.565-3.625	9.26
MS9531-20	1.500	.565-.625	3.85	MS9531-47	4.625	3.690-3.750	9.49
MS9531-21	1.562	.627-.687	3.96	MS9531-48	4.750	3.815-3.875	9.71
MS9531-22	1.625	.690-.750	4.07	MS9531-49	4.875	3.940-4.000	9.94
MS9531-23	1.688	.752-.813	4.18	MS9531-50	5.000	4.065-4.125	10.17
MS9531-24	1.750	.815-.875	4.30	MS9531-51	5.125	4.190-4.250	10.39
MS9531-25	1.875	.940-1.000	4.52	MS9531-52	5.250	4.315-4.375	10.62
MS9531-26	2.000	1.065-1.125	4.75	MS9531-53	5.375	4.440-4.500	10.84
MS9531-27	2.125	1.190-1.250	4.97	MS9531-54	5.500	4.565-4.625	11.07
MS9531-28	2.250	1.315-1.375	5.20	MS9531-55	5.625	4.690-4.750	11.29
MS9531-29	2.375	1.440-1.500	5.43	MS9531-56	5.750	4.815-4.875	11.52
MS9531-30	2.500	1.565-1.625	5.65	MS9531-57	5.875	4.940-5.000	11.74
				MS9531-58	6.000	5.065-5.125	11.97

1. SHANK SHALL BE STRAIGHT WITHIN .003 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 HEXAGON SHALL BE WITHIN .015 FIR.
 4. INCOMPLETE THREADS NOT TO ENTER FILLET.
 5. MATERIAL: STEEL AMS 5322.
 6. HARDNESS: ROCKWELL C26-32.
 7. FINISH: CADMIUM PLATE PER AMS 2400. DIMENSIONS SPECIFIED ARE AFTER PLATING.
 8. MAGNETIC PARTICLE INSPECTION PER AMS 2640.
 9. MANUFACTURING SPECIFICATION: AMS 7452 EXCEPT HEAD MUST BE UPSET.
 10. SURFACE TEXTURE: USAS B46.1-1962. UNLESS OTHERWISE SPECIFIED SURFACES TO BE 125 MICROINCHES, EXCEPT HEXAGON.
 11. BREAK SHARP EDGES .003 - .015 UNLESS OTHERWISE SPECIFIED.
 12. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ± .010, ANGULAR DIMENSIONS ± 5°.
 13. DO NOT USE UNASSIGNED PART NUMBERS.

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THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE MILITARY SERVICES BY THE S.A.E. AEROSPACE PROPULSION DIVISION.

P.A. USAF-11	INTERNATIONAL INTEREST	TITLE BOLT, MACHINE-STEEL AMS 5322, CADMIUM PLATE, DRILLED, 1 HOLE, HEXAGON HEAD, .3125-24 UNJP-3A	MILITARY STANDARD
Other Cust NAVY-AS ARMY-AV			MS9531
PROCUREMENT SPECIFICATION NONE			SHEET 1 OF 1

This military standard has been approved by the Department of Defense and is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

Reviewer activities.