

MS9209 (ASG)

MARK MS9209 AND MANUFACTURER'S IDENTIFICATION PER AS 478 CLASS A

SECTION THRU THREAD PROFILE

REV. SUP. CLASS 8304

PART NO	L	K	APPROX WEIGHT LB/100	PART NO	L	K	APPROX WEIGHT LB/100	PART NO	L	K	APPROX WEIGHT LB/100
MS9209-04	.375	.079-.089	1.14	MS9209-22	1.500	.690-.750	2.43	MS9209-40	3.500	2.690-2.750	4.72
MS9209-05	.438	.079-.089	1.21	MS9209-23	1.562	.752-.812	2.50	MS9209-41	3.625	2.815-2.875	4.85
MS9209-06	.500	.079-.089	1.29	MS9209-24	1.625	.815-.875	2.57	MS9209-42	3.750	2.940-3.000	4.99
MS9209-07	.562	.079-.089	1.38	MS9209-25	1.688	.878-.938	2.64	MS9209-43	3.875	3.065-3.125	5.13
MS9209-08	.625	.079-.089	1.44	MS9209-26	1.750	.940-1.000	2.72	MS9209-44	4.000	3.190-3.250	5.27
MS9209-09	.688	.079-.089	1.51	MS9209-27	1.875	1.065-1.125	2.86	MS9209-45	4.125	3.315-3.375	5.42
MS9209-10	.750	.079-.089	1.58	MS9209-28	2.000	1.190-1.250	3.00	MS9209-46	4.250	3.440-3.500	5.56
MS9209-11	.812	.079-.089	1.65	MS9209-29	2.125	1.315-1.375	3.14	MS9209-47	4.375	3.565-3.625	5.71
MS9209-12	.875	.125-.145	1.72	MS9209-30	2.250	1.440-1.500	3.29	MS9209-48	4.500	3.690-3.750	5.85
MS9209-13	.938	.128-.188	1.79	MS9209-31	2.375	1.565-1.625	3.43	MS9209-49	4.625	3.815-3.875	6.00
MS9209-14	1.000	.190-.250	1.86	MS9209-32	2.500	1.690-1.750	3.57	MS9209-50	4.750	3.940-4.000	6.14
MS9209-15	1.062	.252-.312	1.93	MS9209-33	2.625	1.815-1.875	3.71	MS9209-51	4.875	4.065-4.125	6.29
MS9209-16	1.125	.315-.375	2.00	MS9209-34	2.750	1.940-2.000	3.85	MS9209-52	5.000	4.190-4.250	6.43
MS9209-17	1.188	.378-.438	2.08	MS9209-35	2.875	2.065-2.125	4.00	MS9209-53	5.125	4.315-4.375	6.56
MS9209-18	1.250	.440-.500	2.15	MS9209-36	3.000	2.190-2.250	4.14	MS9209-54	5.250	4.440-4.500	6.70
MS9209-19	1.312	.502-.562	2.22	MS9209-37	3.125	2.315-2.375	4.29	MS9209-55	5.375	4.565-4.625	6.84
MS9209-20	1.375	.565-.625	2.29	MS9209-38	3.250	2.440-2.500	4.43	MS9209-56	5.500	4.690-4.750	6.99
MS9209-21	1.438	.628-.688	2.36	MS9209-39	3.375	2.565-2.625	4.58	MS9209-57	5.625	4.815-4.875	7.13
								MS9209-58	5.750	4.940-5.000	7.28
								MS9209-59	5.875	5.065-5.125	7.42
								MS9209-60	6.000	5.190-5.250	7.57

1. SHANK SHALL BE STRAIGHT WITHIN .003 FIR. PER INCH OF INLT 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 OD SHALL BE WITHIN .013 FIR.
4. INCOMPLETE THREADS NOT TO ENTER FILLET.
5. MATERIAL: STEEL AMS 6304.
6. HARDNESS: ROCKWELL C42-46.
7. FINISH: DIFFUSED NICKEL-CADMIUM PLATE AMS 2416. DIMENSIONS SPECIFIED ARE AFTER PLATING. CONTACT POINTS PERMISSIBLE. PD MAY BE REDUCED .0012 MAXIMUM BEFORE PLATING.
8. MANUFACTURING SPECIFICATION: AMS 7459. PARTS SUBJECT TO MAGNETIC PARTICLE INSPECTION PER AMS 2640 BEFORE PLATING.
9. SURFACE ROUGHNESS: AS 291 UNLESS OTHERWISE SPECIFIED SURFACES TO BE 125 MICROINCHES RIPEPT UPST HEAD.
10. BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
11. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES; LINEAR DIMENSIONS $\pm .010$, ANGULAR DIMENSIONS $\pm 5^\circ$.
12. DO NOT USE UNASSIGNED PART NUMBERS.

AS & AMS ARE SOCIETY OF AUTOMOTIVE ENGINEERS, INC. PUBLICATIONS
THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE ENGINE AND PROPELLER UTILITY PARTS COMMITTEE OF THE SAE.

P.A	USAF - ASD	TITLE	BOLT, MACHINE - STEEL AMS 6304, DIFFUSED NICKEL-CADMIUM PLATED, DOUBLE HEXAGON EXTENDED WASHER HEAD, .250-28 UNJF-3A
Other Cust	Navy - Nops		
PROCUREMENT SPECIFICATION	NONE	SUPERSEDES.	

MILITARY STANDARD

MS9209 (ASG)

SHEET 1 OF 1

APPROVED 10 Dec 63

The standard has been approved by the ASD (Department 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 comply this standard where applicable