



PART NO.	L	K	APPROX WEIGHT LB/100	PART NO.	L	K	APPROX WEIGHT LB/100	PART NO.	L	K	APPROX WEIGHT LB/100
MS9212-04	.688	.105-.125	5.05	MS9212-22	1.875	.690-.750	9.43	MS9212-40	4.125	2.940-3.000	17.85
MS9212-05	.750	.105-.125	5.28	MS9212-23	2.000	.815-.875	9.90	MS9212-41	4.250	3.065-3.125	18.31
MS9212-06	.812	.105-.125	5.51	MS9212-24	2.125	.940-1.000	10.38	MS9212-42	4.375	3.190-3.250	18.75
MS9212-07	.875	.105-.125	5.74	MS9212-25	2.250	1.065-1.125	10.85	MS9212-43	4.500	3.315-3.375	19.31
MS9212-08	.938	.105-.125	5.97	MS9212-26	2.375	1.190-1.250	11.32	MS9212-44	4.625	3.440-3.500	19.66
MS9212-09	1.000	.105-.125	6.20	MS9212-27	2.500	1.315-1.375	11.79	MS9212-45	4.750	3.565-3.625	20.12
MS9212-10	1.062	.105-.125	6.43	MS9212-28	2.625	1.440-1.500	12.26	MS9212-46	4.875	3.690-3.750	20.59
MS9212-11	1.125	.105-.125	6.67	MS9212-29	2.750	1.565-1.625	12.72	MS9212-47	5.000	3.815-3.875	21.05
MS9212-12	1.188	.105-.125	6.90	MS9212-30	2.875	1.690-1.750	13.19	MS9212-48	5.125	3.940-4.000	21.51
MS9212-13	1.250	.125-.145	7.13	MS9212-31	3.000	1.815-1.875	13.66	MS9212-49	5.250	4.065-4.125	21.97
MS9212-14	1.312	.128-.188	7.36	MS9212-32	3.125	1.940-2.000	14.12	MS9212-50	5.375	4.190-4.250	22.33
MS9212-15	1.375	.180-.250	7.59	MS9212-33	3.250	2.065-2.125	14.59	MS9212-51	5.500	4.315-4.375	22.80
MS9212-16	1.438	.252-.312	7.82	MS9212-34	3.375	2.190-2.250	15.06	MS9212-52	5.625	4.440-4.500	23.27
MS9212-17	1.500	.315-.375	8.05	MS9212-35	3.500	2.315-2.375	15.52	MS9212-53	5.750	4.565-4.625	23.74
MS9212-18	1.562	.378-.438	8.27	MS9212-36	3.625	2.440-2.500	15.99	MS9212-54	5.875	4.690-4.750	24.21
MS9212-19	1.625	.440-.500	8.50	MS9212-37	3.750	2.565-2.625	16.45	MS9212-55	6.000	4.815-4.875	24.67
MS9212-20	1.688	.502-.562	8.73	MS9212-38	3.875	2.690-2.750	16.92				
MS9212-21	1.750	.565-.625	8.96	MS9212-39	4.000	2.815-2.875	17.39				

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 OD SHALL BE WITHIN .019 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 EXCEPT UPSET 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.

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THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE ENGINE AND PROPELLER UTILITY PARTS COMMITTEE OF THE SAE.

P.A. USAF - ASD Orner Cust Navy - Meps	TITLE BOLT, MACHINE - STEEL AMS 6304, DIFFUSED NICKEL-CADMIUM PLATED, DOUBLE HEXAGON EXTENDED WASHER HEAD, .4375-20 UNJF-3A	MILITARY STANDARD MS9212 (ASG)
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 1 OF 1

This standard has been approved by the ASD (Department of the Air Force) and the Department of the Navy and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

Reviewers and Users: USAF - ASD
Navy - Meps