



PART NO.	L	K	APPROX WEIGHT LB/100	PART NO.	L	K	APPROX WEIGHT LB/100	PART NO.	L	K	APPROX WEIGHT LB/100
MS9744-04	.625	.085-.105	3.44	MS9744-22	1.750	.690-.750	6.43	MS9744-40	3.875	2.815-2.875	12.07
MS9744-05	.688	.088-.108	3.61	MS9744-23	1.812	.752-.812	6.60	MS9744-41	4.000	2.940-3.000	12.40
MS9744-06	.750	.088-.108	3.77	MS9744-24	1.875	.815-.875	6.76	MS9744-42	4.125	3.065-3.125	12.74
MS9744-07	.812	.088-.108	3.94	MS9744-25	2.000	.940-1.000	7.09	MS9744-43	4.250	3.190-3.250	13.07
MS9744-08	.875	.088-.108	4.10	MS9744-26	2.125	1.065-1.125	7.42	MS9744-44	4.375	3.315-3.375	13.40
MS9744-09	.938	.088-.108	4.27	MS9744-27	2.250	1.190-1.250	7.75	MS9744-45	4.500	3.440-3.500	13.73
MS9744-10	1.000	.088-.108	4.44	MS9744-28	2.375	1.315-1.375	8.09	MS9744-46	4.625	3.565-3.625	14.06
MS9744-11	1.062	.088-.108	4.60	MS9744-29	2.500	1.440-1.500	8.42	MS9744-47	4.750	3.690-3.750	14.40
MS9744-12	1.125	.088-.125	4.77	MS9744-30	2.625	1.565-1.625	8.75	MS9744-48	4.875	3.815-3.875	14.73
MS9744-13	1.188	.128-.188	4.94	MS9744-31	2.750	1.690-1.750	9.08	MS9744-49	5.000	3.940-4.000	15.06
MS9744-14	1.250	.190-.250	5.10	MS9744-32	2.875	1.815-1.875	9.42	MS9744-50	5.125	4.065-4.125	15.39
MS9744-15	1.312	.252-.312	5.27	MS9744-33	3.000	1.940-2.000	9.75	MS9744-51	5.250	4.190-4.250	15.72
MS9744-16	1.375	.315-.375	5.44	MS9744-34	3.125	2.065-2.125	10.08	MS9744-52	5.375	4.315-4.375	16.06
MS9744-17	1.438	.378-.438	5.60	MS9744-35	3.250	2.190-2.250	10.41	MS9744-53	5.500	4.440-4.500	16.39
MS9744-18	1.500	.440-.500	5.76	MS9744-36	3.375	2.315-2.375	10.75	MS9744-54	5.625	4.565-4.625	16.72
MS9744-19	1.562	.502-.562	5.93	MS9744-37	3.500	2.440-2.500	11.08	MS9744-55	5.750	4.690-4.750	17.05
MS9744-20	1.625	.565-.625	6.10	MS9744-38	3.625	2.565-2.625	11.41	MS9744-56	5.875	4.815-4.875	17.38
MS9744-21	1.688	.628-.688	6.27	MS9744-39	3.750	2.690-2.750	11.75	MS9744-57	6.000	4.940-5.000	17.72

Review activities:  
USAF - 82, 85

This military standard is approved by the Department of the Air Force and the Naval Air Systems Command and is mandatory for use by these activities. All other military activities are required to employ this standard where suitable.

- SHANK SHALL BE STRAIGHT WITHIN .0025 PER INCH OF BOLT LENGTH.
- THE RUMOUT OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .005 FIR.
- THE RUMOUT OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND DOUBLE HEXAGON OD SHALL BE WITHIN .005 FIR.
- INCOMPLETE THREADS NOT TO ENTER PILLET.
- MATERIAL: CRES AMS 5643.
- HARDNESS: ROCKWELL C32-35.
- MANUFACTURING SPECIFICATION: AMS 7474.
- FLUORESCENT PENETRANT INSPECTION PER AMS 2645.
- SURFACE TEXTURE: USAS B4C.1-1.52, UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES EXCEPT UPSET HEAD.
- BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ±.010, ANGULAR DIMENSIONS ±5°.
- 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 DIV.

P.A. USAF - 11	TITLE	<b>MILITARY STANDARD</b>
Other Cost	BOLT, MACHILE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, CRES AMS 5643, .375-24 UNJF-3A	<b>MS9744 (ASG)</b>
PROCURMENT SPECIFICATION	SUPERSEDES:	SHEET 1 OF 1

REVISED 3 Mar 61 APPROVED