



PART NO.	L	K	APPROX WEIGHT LB/100
MS9743-04	.500	.088-.106	2.14
MS9743-05	.562	.088-.106	2.25
MS9743-06	.625	.088-.106	2.36
MS9743-07	.688	.088-.106	2.47
MS9743-08	.750	.088-.106	2.58
MS9743-09	.812	.088-.106	2.70
MS9743-10	.875	.088-.106	2.81
MS9743-11	.938	.088-.106	2.92
MS9743-12	1.000	.088-.125	3.03
MS9743-13	1.062	.128-.188	3.14
MS9743-14	1.125	.190-.250	3.25
MS9743-15	1.188	.252-.312	3.36
MS9743-16	1.250	.315-.375	3.47
MS9743-17	1.312	.378-.438	3.58
MS9743-18	1.375	.440-.500	3.70
MS9743-19	1.438	.502-.562	3.81
MS9743-20	1.500	.565-.625	3.92
MS9743-21	1.562	.628-.688	4.03

PART NO.	L	K	APPROX WEIGHT LB/100
MS9743-22	1.625	.690-.750	4.14
MS9743-23	1.688	.752-.812	4.26
MS9743-24	1.750	.815-.875	4.37
MS9743-25	1.812	.878-.938	4.48
MS9743-26	1.875	.940-1.000	4.59
MS9743-27	2.000	1.065-1.125	4.81
MS9743-28	2.125	1.190-1.250	5.04
MS9743-29	2.250	1.315-1.375	5.26
MS9743-30	2.375	1.440-1.500	5.48
MS9743-31	2.500	1.565-1.625	5.70
MS9743-32	2.625	1.690-1.750	5.93
MS9743-33	2.750	1.815-1.875	6.15
MS9743-34	2.875	1.940-2.000	6.37
MS9743-35	3.000	2.065-2.125	6.60
MS9743-36	3.125	2.190-2.250	6.82
MS9743-37	3.250	2.315-2.375	7.04
MS9743-38	3.375	2.440-2.500	7.26
MS9743-39	3.500	2.565-2.625	7.49

PART NO.	L	K	APPROX WEIGHT LB/100
MS9743-40	3.625	2.690-2.750	7.71
MS9743-41	3.750	2.815-2.875	7.93
MS9743-42	3.875	2.940-3.000	8.16
MS9743-43	4.000	3.065-3.125	8.38
MS9743-44	4.125	3.190-3.250	8.60
MS9743-45	4.250	3.315-3.375	8.83
MS9743-46	4.375	3.440-3.500	9.05
MS9743-47	4.500	3.565-3.625	9.27
MS9743-48	4.625	3.690-3.750	9.50
MS9743-49	4.750	3.815-3.875	9.72
MS9743-50	4.875	3.940-4.000	9.94
MS9743-51	5.000	4.065-4.125	10.16
MS9743-52	5.125	4.190-4.250	10.39
MS9743-53	5.250	4.315-4.375	10.61
MS9743-54	5.375	4.440-4.500	10.82
MS9743-55	5.500	4.565-4.625	11.05
MS9743-56	5.625	4.690-4.750	11.27
MS9743-57	5.750	4.815-4.875	11.49
MS9743-58	5.875	4.940-5.000	11.72
MS9743-59	6.000	5.065-5.125	11.94

- SHANK SHALL BE STRAIGHT WITHIN .003 PER INCH OF BOLT LENGTH.
- THE RUNOUT OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .006 FIR.
- THE RUNOUT OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND DOUBLE HEXAGON OD SHALL BE WITHIN .008 FIR.
- INCOMPLETE THREADS NOT TO ENTER FILLET.
- MATERIAL: CRES AMS 5643.
- HARDNESS: ROCKWELL C32-38.
- MANUFACTURING SPECIFICATION: AMS 7474.
- FLUORESCENT PENETRANT INSPECTION PER AMS 2645.
- SURFACE TEXTURE: USAS B46.1-1962. 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 $\pm .010$, ANGULAR DIMENSIONS $\pm 5^\circ$.
- DO NOT USE UNASSIGNED PART NUMBERS.

REINSTATED 31 OCT 84

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THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE MILITARY SERVICES BY THE SAE AEROSPACE PART STANDARDS DIV.

P.A.	AS	TITLE	MILITARY STANDARD
Other Cust	AV	BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, CRES AMS 5643, .3125-24 UNJF-3A	MS9743
99			
PROCUREMENT SPECIFICATION	SUPERSEDES:		PAGE 1 OF 1

DD FORM 672-1

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

5306-0873

U. S. GOVERNMENT PRINTING OFFICE: 1969-341-518/A-5352

This military standard is approved 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 when applicable.

Review activities:
AIR FORCE -82
DLA -IS

APPROVED 3 Mar 69
REVISED
21 DEC 83
31 OCT 84