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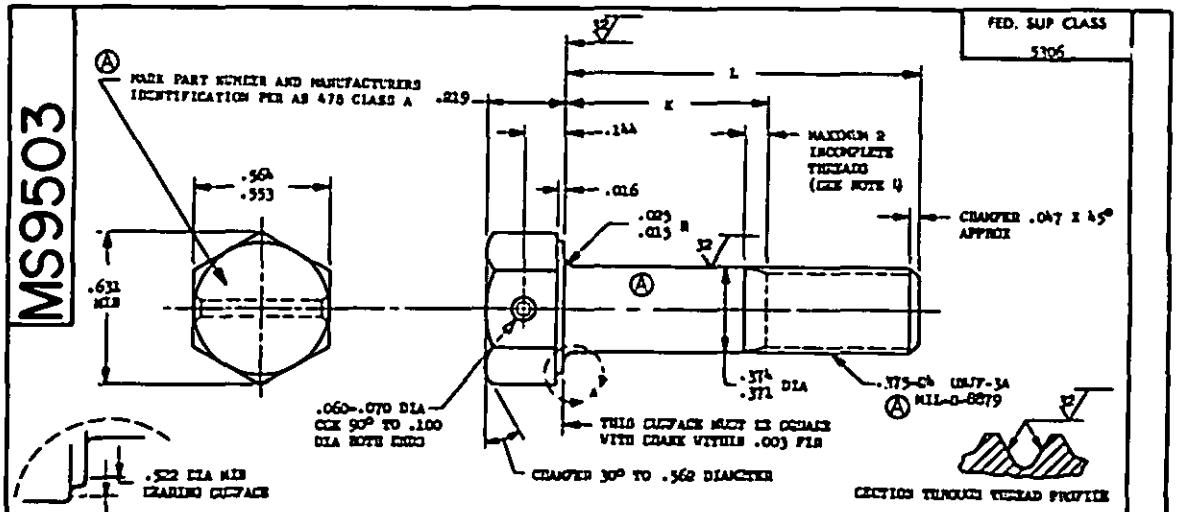
MS9503

FED. SUP CLASS 5306



PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9503-04	.625	.088-.108	3.59
MS9503-05	.688	.088-.108	3.79
MS9503-06	.750	.088-.108	3.98
MS9503-07	.812	.088-.108	4.17
MS9503-08	.875	.088-.108	4.37
MS9503-09	.938	.088-.108	4.57
MS9503-10	1.000	.088-.108	4.76
MS9503-11	1.062	.088-.108	4.95
MS9503-12	1.125	.088-.125	5.15
MS9503-13	1.188	.128-.168	5.34
MS9503-14	1.250	.190-.250	5.53
MS9503-15	1.312	.252-.312	5.73
MS9503-16	1.375	.315-.375	5.93
MS9503-17	1.438	.378-.438	6.12
MS9503-18	1.500	.440-.500	6.32
MS9503-19	1.562	.502-.562	6.51
MS9503-20	1.625	.565-.625	6.71
MS9503-21	1.688	.628-.688	6.90
MS9503-22	1.750	.690-.750	7.10
MS9503-23	1.875	.815-.875	7.49
MS9503-24	2.000	.940-1.000	7.88
MS9503-25	2.125	1.065-1.125	8.27
MS9503-26	2.250	1.190-1.250	8.65
MS9503-27	2.375	1.315-1.375	9.04
MS9503-28	2.500	1.440-1.500	9.43
MS9503-29	2.625	1.565-1.625	9.82
MS9503-30	2.750	1.690-1.750	10.21

PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9503-31	2.875	1.815-1.875	10.60
MS9503-32	3.000	1.940-2.000	10.99
MS9503-33	3.125	2.065-2.125	11.37
MS9503-34	3.250	2.190-2.250	11.77
MS9503-35	3.375	2.315-2.375	12.16
MS9503-36	3.500	2.440-2.500	12.55
MS9503-37	3.625	2.565-2.625	12.94
MS9503-38	3.750	2.690-2.750	13.33
MS9503-39	3.875	2.815-2.875	13.72
MS9503-40	4.000	2.940-3.000	14.11
MS9503-41	4.125	3.065-3.125	14.50
MS9503-42	4.250	3.190-3.250	14.89
MS9503-43	4.375	3.315-3.375	15.28
MS9503-44	4.500	3.440-3.500	15.67
MS9503-45	4.625	3.565-3.625	16.06
MS9503-46	4.750	3.690-3.750	16.45
MS9503-47	4.875	3.815-3.875	16.84
MS9503-48	5.000	3.940-4.000	17.23
MS9503-49	5.125	4.065-4.125	17.62
MS9503-50	5.250	4.190-4.250	18.01
MS9503-51	5.375	4.315-4.375	18.40
MS9503-52	5.500	4.440-4.500	18.79
MS9503-53	5.625	4.565-4.625	19.17
MS9503-54	5.750	4.690-4.750	19.56
MS9503-55	5.875	4.815-4.875	19.95
MS9503-56	6.000	4.940-5.000	20.34
MS9503-57	1.812	.732-.812	7.30 (A) (A)
MS9503-58	1.938	.878-.938	7.69 (A) (A)

(A) 1. SHANK SHALL BE STRAIGHT WITHIN .0025 TOTAL PER INCH OF BOLT LENGTH
2. THE CONCENTRICITY OF THREAD PD IS RELATIVE 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 .017 FIR.
4. INCOMPLETE THREADS NOT TO ENTER FILLET.
5. MATERIAL: CORROSION AND HEAT RESISTANT STEEL AMS 5731.
6. MANUFACTURING SPECIFICATION: AMS 7477.
7. FLUORESCENT PENETRANT INSPECTION PER AMS 2645.
(A) 8. SURFACE TEXTURE: USAS B46.1-1962 UNLESS OTHERWISE SPECIFIED SURFACES TO BE 125 MICROINCHES EXCEPT HEXAGON
9. BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
10. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ± .010, ANGULAR DIMENSIONS ± 5°.
11. DO NOT USE UNAUTHORIZED PART NUMBERS.

AS & AMS ARE SOCIETY OF AUTOMOTIVE ENGINEERS, INC. PUBLICATIONS.
(A) THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE MILITARY SERVICES BY THE SAE AEROSPACE PART STANDARDS DIVISION

APPROVED 5 May 1965 REVISED (A) 17 Nov 69

Review activities: Army - MI, MI User activities: DLAF - 62,85

This military standard is approved by the Department of Defense and is mandatory on all activities. Submitter has all core engineering and design applications and he requires one shall be made from this document.

Preparing Activity: DLAF - 11 Other Cust: Army - AV Navy - AS	INTERNATIONAL INTEREST: ASDC AIR STD 17/2	TITLE: (A) BOLT, MACHINED - HEXAGON HEAD, DRILLED, 1 HOLE, FULL SHANK, AMS 5731, .375-24 UNJF-3A	MILITARY STANDARD MS9503
PROCUREMENT SPECIFICATION NUMBER		SUPERSEDES:	SHEET 1 OF 1

DD FORM 1426 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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