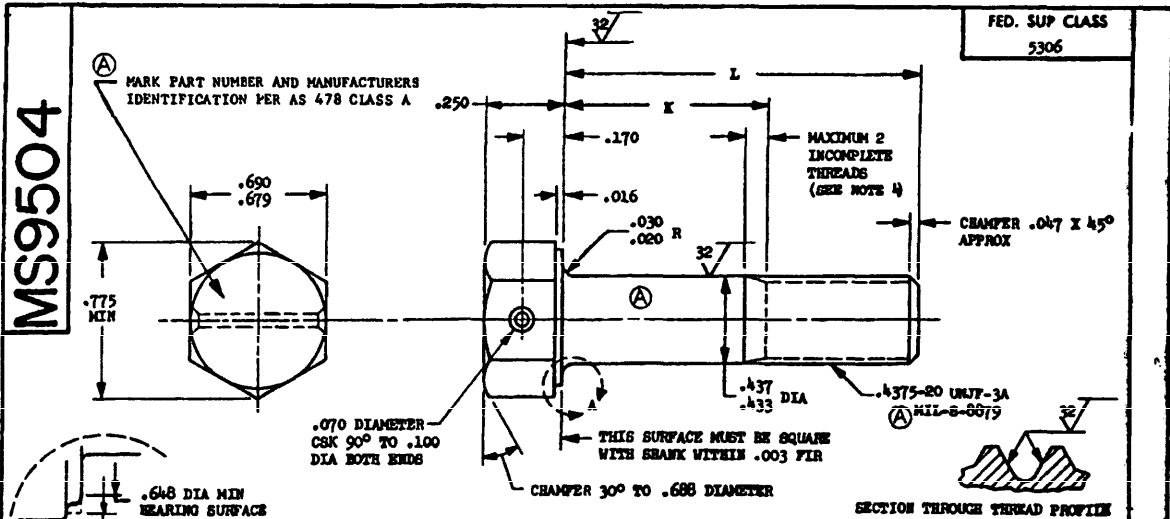


User activities:
Review activities: ARMY - M, NJ
DAF - 32,05

MS9504



PART NUMBER	L	K	APPROX WEIGHT LB/100	PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9504-04	.688	.105-.125	5.66	MS9504-31	3.000	1.815-1.875	15.49
MS9504-05	.750	.105-.125	5.92	MS9504-32	3.125	1.940-2.000	16.02
MS9504-06	.812	.105-.125	6.19	MS9504-33	3.250	2.065-2.125	16.55
MS9504-07	.875	.105-.125	6.46	MS9504-34	3.375	2.190-2.250	17.08
MS9504-08	.938	.105-.125	6.72	MS9504-35	3.500	2.315-2.375	17.61
MS9504-09	1.000	.105-.125	6.99	MS9504-36	3.625	2.440-2.500	18.14
MS9504-10	1.062	.105-.125	7.25	MS9504-37	3.750	2.565-2.625	18.67
MS9504-11	1.125	.105-.125	7.52	MS9504-38	3.875	2.690-2.750	19.21
MS9504-12	1.188	.105-.125	7.79	MS9504-39	4.000	2.815-2.875	19.74
MS9504-13	1.250	.105-.125	8.05	MS9504-40	4.125	2.940-3.000	20.27
MS9504-14	1.312	.128-.188	8.31	MS9504-41	4.250	3.065-3.125	20.81
MS9504-15	1.375	.190-.250	8.58	MS9504-42	4.375	3.190-3.250	21.33
MS9504-16	1.438	.252-.312	8.85	MS9504-43	4.500	3.315-3.375	21.86
MS9504-17	1.500	.315-.375	9.11	MS9504-44	4.625	3.440-3.500	22.39
MS9504-18	1.562	.378-.438	9.37	MS9504-45	4.750	3.565-3.625	22.92
MS9504-19	1.625	.440-.500	9.64	MS9504-46	4.875	3.690-3.750	23.46
MS9504-20	1.688	.502-.562	9.91	MS9504-47	5.000	3.815-3.875	23.98
MS9504-21	1.750	.565-.625	10.17	MS9504-48	5.125	3.940-4.000	24.52
MS9504-22	1.875	.690-.750	10.71	MS9504-49	5.250	4.065-4.125	25.05
MS9504-23	2.000	.815-.875	11.24	MS9504-50	5.375	4.190-4.250	25.58
MS9504-24	2.125	.940-1.000	11.77	MS9504-51	5.500	4.315-4.375	26.11
MS9504-25	2.250	1.065-1.125	12.31	MS9504-52	5.625	4.440-4.500	26.64
MS9504-26	2.375	1.190-1.250	12.83	MS9504-53	5.750	4.565-4.625	27.17
MS9504-27	2.500	1.315-1.375	13.36	MS9504-54	5.875	4.690-4.750	27.71
MS9504-28	2.625	1.440-1.500	13.89	MS9504-55	6.000	4.815-4.875	28.24
MS9504-29	2.750	1.565-1.625	14.42	MS9504-56	1.812	.628-.688	10.44
MS9504-30	2.875	1.690-1.750	14.96	MS9504-57	1.938	.752-.812	10.98

1. SHANK SHALL BE STRAIGHT WITHIN .0025 TOTAL 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 HEXAGON SHALL BE WITHIN .019 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.
8. SURFACE TEXTURE: USAS 346.1-1962 UNLESS OTHERWISE SPECIFIED SURFACES TO BE 125 MICROTINCHES EXCEPT HEXAGON.
9. BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
10. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS $\pm .010$, ANGULAR DIMENSIONS $\pm 5^\circ$.
11. DO NOT USE UNASSIGNED 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

P.A. USAF - 11 Other Cost Army - AV Navy - AS	INTERNATIONAL INTEREST ASCC AIR STD 17/2	TITLE (A) BOLT, MACHINED - HEXAGON HEAD, DRILLED, 1 HOLE, FULL SHANK, AMS 5731, .4375-20 UNIF-3A	MILITARY STANDARD MS9504
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 1 OF 1	

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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APPROVED 5 May 1965
REVISED (A) 17 May 69

This military standard is approved by the Department of Defense and is mandatory on all activities. Selection for all new engineering and design applications and for repetitive use shall be made from this document.