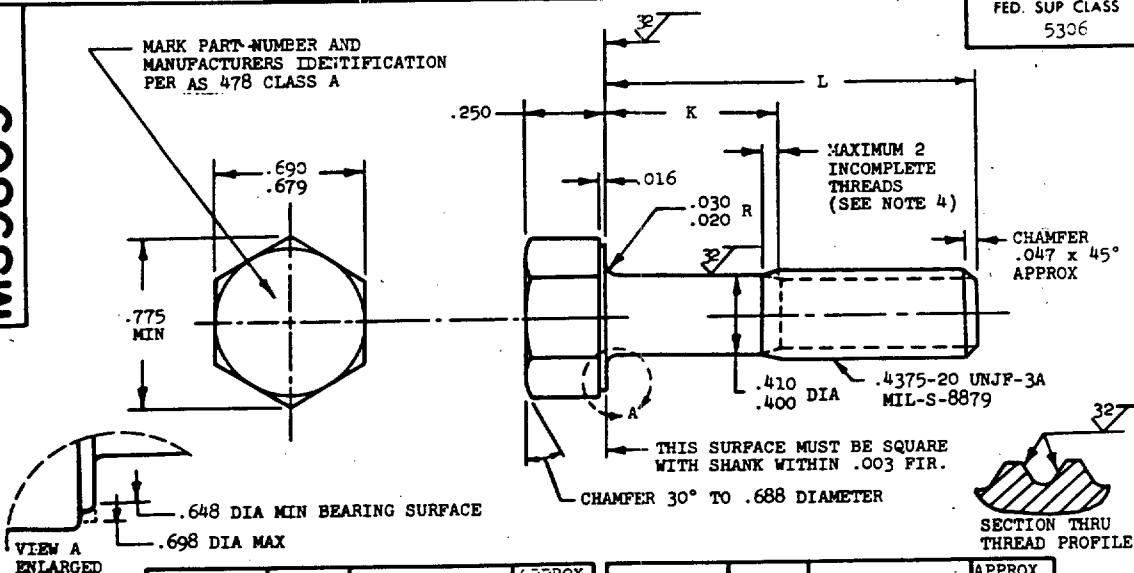


**MS9809**

FED. SUP CLASS  
5306

MARK PART NUMBER AND  
MANUFACTURERS IDENTIFICATION  
PER AS 478 CLASS A



PART NUMBER	L	K	APPROX WEIGHT LB/100	PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9809-04	.688	.105-.125	5.20	MS9809-31	2.750	1.565-1.625	12.73
MS9809-05	.750	.105-.125	5.43	MS9809-32	2.875	1.690-1.750	13.18
MS9809-06	.812	.105-.125	5.65	MS9809-33	3.000	1.815-1.875	13.64
MS9809-07	.875	.105-.125	5.88	MS9809-34	3.125	1.940-2.000	14.10
MS9809-08	.938	.105-.125	6.11	MS9809-35	3.250	2.065-2.125	14.55
MS9809-09	1.000	.105-.125	6.34	MS9809-36	3.375	2.190-2.250	15.01
MS9809-10	1.062	.105-.125	6.57	MS9809-37	3.500	2.315-2.375	15.47
MS9809-11	1.125	.105-.125	6.80	MS9809-38	3.625	2.440-2.500	15.92
MS9809-12	1.188	.105-.125	7.03	MS9809-39	3.750	2.565-2.625	16.38
MS9809-13	1.250	.105-.125	7.25	MS9809-40	3.875	2.690-2.750	16.83
MS9809-14	1.312	.128-.188	7.48	MS9809-41	4.000	2.815-2.875	17.29
MS9809-15	1.375	.190-.250	7.71	MS9809-42	4.125	2.940-3.000	17.75
MS9809-16	1.438	.252-.312	7.94	MS9809-43	4.250	3.065-3.125	18.20
MS9809-17	1.500	.315-.375	8.17	MS9809-44	4.375	3.190-3.250	18.66
MS9809-18	1.562	.378-.438	8.39	MS9809-45	4.500	3.315-3.375	19.12
MS9809-19	1.625	.440-.500	8.62	MS9809-46	4.625	3.440-3.500	19.57
MS9809-20	1.688	.502-.562	8.85	MS9809-47	4.750	3.565-3.625	20.03
MS9809-21	1.750	.565-.625	9.08	MS9809-48	4.875	3.690-3.750	20.48
MS9809-22	1.812	.628-.688	9.31	MS9809-49	5.000	3.815-3.875	20.94
MS9809-23	1.875	.690-.750	9.53	MS9809-50	5.125	3.940-4.000	21.40
MS9809-24	1.938	.752-.812	9.76	MS9809-51	5.250	4.065-4.125	21.85
MS9809-25	2.000	.815-.875	9.99	MS9809-52	5.375	4.190-4.250	22.31
MS9809-26	2.125	.940-1.000	10.45	MS9809-53	5.500	4.315-4.375	22.77
MS9809-27	2.250	1.065-1.125	10.90	MS9809-54	5.625	4.440-4.500	23.22
MS9809-28	2.375	1.190-1.250	11.36	MS9809-55	5.750	4.565-4.625	23.68
MS9809-29	2.500	1.315-1.375	11.82	MS9809-56	5.875	4.690-4.750	24.13
MS9809-30	2.625	1.440-1.500	12.27	MS9809-57	6.000	4.815-4.875	24.59

- SHANK SHALL BE STRAIGHT WITHIN .0025 TOTAL PER INCH OF BOLT LENGTH.
- THE CONCENTRICITY OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .006 FIR.
- THE CONCENTRICITY OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND HEXAGON SHALL BE WITHIN .019 FIR.
- INCOMPLETE THREADS NOT TO ENTER FILLET.
- MATERIAL: CORROSION RESISTANT STEEL 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 ±.010, ANGULAR DIMENSIONS ±5°.
- DO NOT USE UNASSIGNED PART NUMBERS.

REINSTATED 31 OCT 84

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. AS	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
Other Cust ⑧ AV 99	⑧	BOLT, MACHINE - HEXAGON HEAD, PD SHANK, AMS 5643, .4375-20 UNJF-3A	<b>MS9809</b>
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:		PAGE 1 OF 1

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Review activities:  
AIR FORCE-82  
DLA - 15

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.

APPROVED 11 MAR 70 REVISED ① 21 DEC 83 ② 31 OCT 84