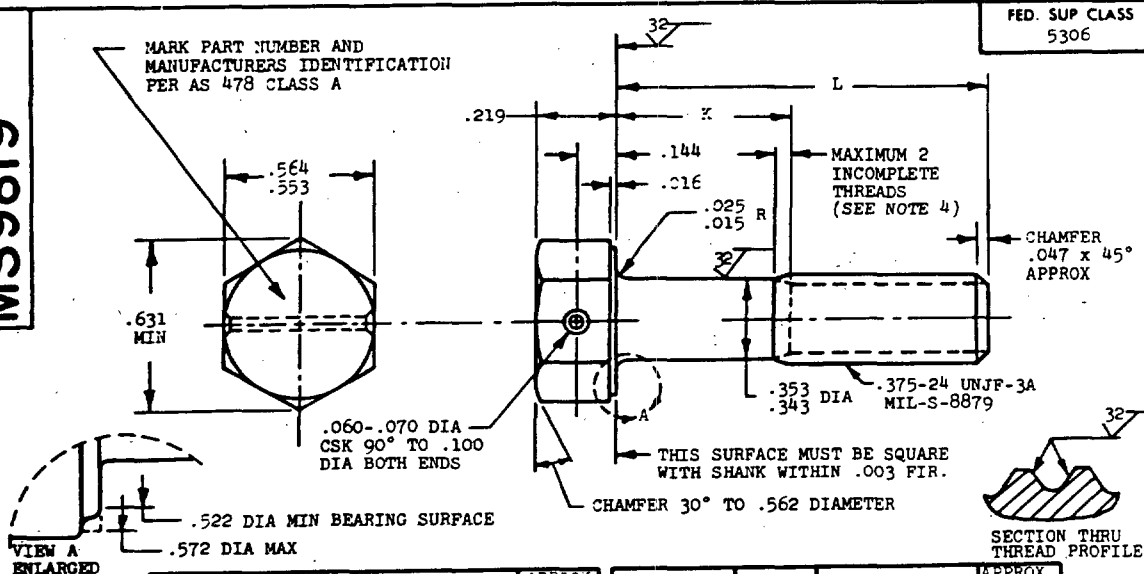


**MS9819**

PART NUMBER	L	K	APPROX WEIGHT LB/100	PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9819-03	.562	.088-.108	3.15	MS9819-31	2.625	1.565-1.625	8.68
MS9819-04	.625	.088-.108	3.32	MS9819-32	2.750	1.690-1.750	9.01
MS9819-05	.688	.088-.108	3.49	MS9819-33	2.875	1.815-1.875	9.35
MS9819-06	.750	.088-.108	3.66	MS9819-34	3.000	1.940-2.000	9.68
MS9819-07	.812	.088-.108	3.83	MS9819-35	3.125	2.065-2.125	10.02
MS9819-08	.875	.088-.108	3.99	MS9819-36	3.250	2.190-2.250	10.35
MS9819-09	.938	.088-.108	4.16	MS9819-37	3.375	2.315-2.375	10.69
MS9819-10	1.000	.088-.108	4.33	MS9819-38	3.500	2.440-2.500	11.03
MS9819-11	1.062	.088-.108	4.49	MS9819-39	3.625	2.565-2.625	11.35
MS9819-12	1.125	.088-.125	4.66	MS9819-40	3.750	2.690-2.750	11.69
MS9819-13	1.188	.128-.188	4.83	MS9819-41	3.875	2.815-2.875	12.02
MS9819-14	1.250	.190-.250	5.00	MS9819-42	4.000	2.940-3.000	12.36
MS9819-15	1.312	.252-.312	5.17	MS9819-43	4.125	3.065-3.125	12.70
MS9819-16	1.375	.315-.375	5.33	MS9819-44	4.250	3.190-3.250	13.03
MS9819-17	1.438	.378-.438	5.50	MS9819-45	4.375	3.315-3.375	13.37
MS9819-18	1.500	.440-.500	5.67	MS9819-46	4.500	3.440-3.500	13.70
MS9819-19	1.562	.502-.562	5.84	MS9819-47	4.625	3.565-3.625	14.03
MS9819-20	1.625	.565-.625	6.01	MS9819-48	4.750	3.690-3.750	14.37
MS9819-21	1.688	.628-.688	6.17	MS9819-49	4.875	3.815-3.875	14.70
MS9819-22	1.750	.690-.750	6.34	MS9819-50	5.000	3.940-4.000	15.04
MS9819-23	1.812	.752-.812	6.51	MS9819-51	5.125	4.065-4.125	15.37
MS9819-24	1.875	.815-.875	6.67	MS9819-52	5.250	4.190-4.250	15.71
MS9819-25	1.938	.878-.938	6.83	MS9819-53	5.375	4.315-4.375	16.05
MS9819-26	2.000	.940-1.000	7.00	MS9819-54	5.500	4.440-4.500	16.37
MS9819-27	2.125	1.065-1.125	7.34	MS9819-55	5.625	4.565-4.625	16.71
MS9819-28	2.250	1.190-1.250	7.68	MS9819-56	5.750	4.690-4.750	17.04
MS9819-29	2.375	1.315-1.375	8.01	MS9819-57	5.875	4.815-4.875	17.38
MS9819-30	2.500	1.440-1.500	8.35	MS9819-58	6.000	4.940-5.000	17.72

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 .017 FIR.
4. INCOMPLETE THREADS NOT TO ENTER FILLET.
5. MATERIAL: CORROSION RESISTANT STEEL AMS 5643.
6. HARDNESS: ROCKWELL C32-38.
7. MANUFACTURING SPECIFICATION: AMS 7474.
8. FLUORESCENT PENETRANT INSPECTION PER AMS 2645.
9. SURFACE TEXTURE: USAS B46.1-1962. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES EXCEPT UPSET HEAD.
10. BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
11. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS  $\pm .010$ , ANGULAR DIMENSIONS  $\pm 5^\circ$ .
12. DO NOT USE UNASSIGNED PART NUMBERS.

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

P.A.	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
AS Other Cust AV 99	②	BOLT, MACHINE - HEXAGON HEAD, DRILLED, 1 HOLE, PD SHANK. AMS 5643, .375-24 UNJF-3A	<b>MS9819</b>
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	PAGE 1 OF 1	

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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Review activities:  
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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 ② 21 DEC 83 ② 31 OCT 84

② REINSTATED 31 OCT 84