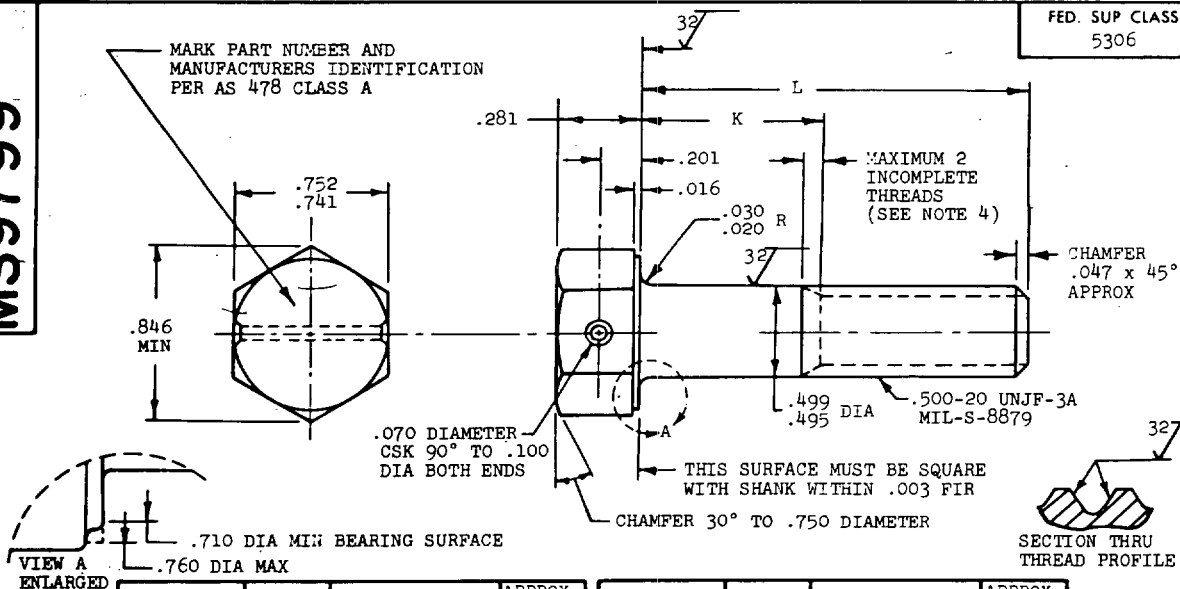


MARK PART NUMBER AND  
MANUFACTURERS IDENTIFICATION  
PER AS 478 CLASS A



PART NUMBER	L	° K	APPROX WEIGHT LB/100	PART NUMBER	L	K	APPROX WEIGHT LB/100
				MS9799-36	3.625	2.315-2.375	23.58
				MS9799-37	3.750	2.440-2.500	24.26
				MS9799-38	3.875	2.565-2.625	24.95
				MS9799-39	4.000	2.690-2.750	25.63
				MS9799-40	4.125	2.815-2.875	26.31
				MS9799-41	4.250	2.940-3.000	27.00
				MS9799-42	4.375	3.065-3.125	27.69
				MS9799-43	4.500	3.190-3.250	28.37
				MS9799-44	4.625	3.315-3.375	29.05
				MS9799-45	4.750	3.440-3.500	29.73
MS9799-14	1.438	.128-	.188	MS9799-46	4.875	3.565-3.625	30.41
MS9799-15	1.500	.190-	.250	MS9799-47	5.000	3.690-3.750	31.10
MS9799-16	1.562	.252-	.312	MS9799-48	5.125	3.815-3.875	31.78
MS9799-17	1.625	.315-	.375	MS9799-49	5.250	3.940-4.000	32.46
MS9799-18	1.688	.378-	.438	MS9799-50	5.375	4.065-4.125	33.15
MS9799-19	1.750	.440-	.500	MS9799-51	5.500	4.190-4.250	33.83
MS9799-20	1.812	.502-	.562	MS9799-52	5.625	4.315-4.375	34.52
MS9799-21	1.875	.565-	.625	MS9799-53	5.750	4.440-4.500	35.20
MS9799-22	1.938	.628-	.688	MS9799-54	5.875	4.565-4.625	35.88
MS9799-23	2.000	.690-	.750	MS9799-55	6.000	4.690-4.750	36.57
MS9799-24	2.125	.815-	.875				
MS9799-25	2.250	.940-	1.000				
MS9799-26	2.375	1.065-	1.125				
MS9799-27	2.500	1.190-	1.250				
MS9799-28	2.625	1.315-	1.375				
MS9799-29	2.750	1.440-	1.500				
MS9799-30	2.875	1.565-	1.625				
MS9799-31	3.000	1.690-	1.750				
MS9799-32	3.125	1.815-	1.875				
MS9799-33	3.250	1.940-	2.000				
MS9799-34	3.375	2.065-	2.125				
MS9799-35	3.500	2.190-	2.250				

1. SHANK SHALL BE STRAIGHT WITHIN .002 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 .023 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.

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 Other Cust. AV 99	INTERNATIONAL INTEREST (B)	TITLE BOLT, MACHINE - HEXAGON HEAD, DRILLED, 1 HOLE, FULL SHANK, AMS 5643, .500-20 UNJF-3A	MILITARY STANDARD MS9799
PROCUREMENT SPECIFICATION NONE			SUPERSEDES: PAGE 1 OF 1

APPROVED 11 MAR 70 REVISED (A) 21 DEC 85 (B) 15 AUG 84

Review activities:  
AIR FORCE-02  
DLA-IS

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.