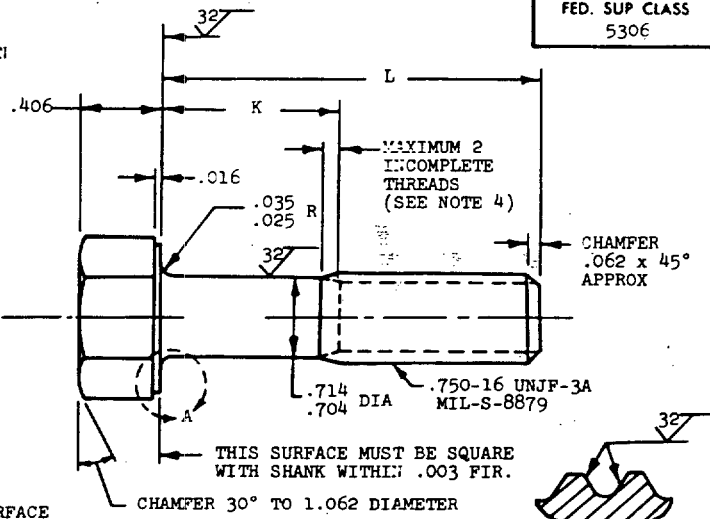
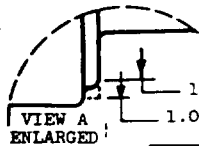
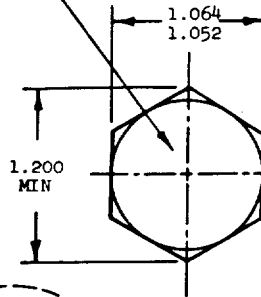


**MS9813**

MARK PART NUMBER AND  
MANUFACTURERS IDENTIFICATION  
PER AS 478 CLASS A



SECTION THRU  
THREAD PROFILE

PART NUMBER	L	K	APPROX WEIGHT LB/100	PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9813-04	1.125	.129-.149	23.54	MS9813-31	3.625	1.815-1.875	51.26
MS9813-05	1.188	.129-.149	24.24	MS9813-32	3.750	1.940-2.000	52.65
MS9813-06	1.250	.129-.149	24.94	MS9813-33	3.875	2.065-2.125	54.03
MS9813-07	1.312	.129-.149	25.64	MS9813-34	4.000	2.190-2.250	55.42
MS9813-08	1.375	.129-.149	26.32	MS9813-35	4.125	2.315-2.375	56.80
MS9813-09	1.438	.129-.149	27.02	MS9813-36	4.250	2.440-2.500	58.19
MS9813-10	1.500	.129-.149	27.71	MS9813-37	4.375	2.565-2.625	59.57
MS9813-11	1.562	.129-.149	28.41	MS9813-38	4.500	2.690-2.750	60.96
MS9813-12	1.625	.129-.149	29.10	MS9813-39	4.625	2.815-2.875	62.34
MS9813-13	1.688	.129-.149	29.79	MS9813-40	4.750	2.940-3.000	63.72
MS9813-14	1.750	.129-.149	30.49	MS9813-41	4.875	3.065-3.125	65.11
MS9813-15	1.812	.129-.149	31.18	MS9813-42	5.000	3.190-3.250	66.49
MS9813-16	1.875	.129-.149	31.87	MS9813-43	5.125	3.315-3.375	67.88
MS9813-17	1.938	.129-.188	32.56	MS9813-44	5.250	3.440-3.500	69.26
MS9813-18	2.000	.190-.250	33.26	MS9813-45	5.375	3.565-3.625	70.65
MS9813-19	2.125	.315-.375	34.64	MS9813-46	5.500	3.690-3.750	72.04
MS9813-20	2.250	.440-.500	36.03	MS9813-47	5.625	3.815-3.875	73.43
MS9813-21	2.375	.565-.625	37.41	MS9813-48	5.750	3.940-4.000	74.81
MS9813-22	2.500	.690-.750	38.79	MS9813-49	5.875	4.065-4.125	76.19
MS9813-23	2.625	.815-.875	40.18	MS9813-50	6.000	4.190-4.250	77.58
MS9813-24	2.750	.940-1.000	41.56				
MS9813-25	2.875	1.065-1.125	42.95				
MS9813-26	3.000	1.190-1.250	44.33				
MS9813-27	3.125	1.315-1.375	45.72				
MS9813-28	3.250	1.440-1.500	47.10				
MS9813-29	3.375	1.565-1.625	48.49				
MS9813-30	3.500	1.690-1.750	49.88				

- SHANK SHALL BE STRAIGHT WITHIN .002 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 .032 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  $\pm .010$ , ANGULAR DIMENSIONS  $\pm 5^\circ$ .
- DO NOT USE UNASSIGNED PART NUMBERS.

REINSTATED 15 AUG 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 Other Cust. AV 99	INTERNATIONAL INTEREST (B)	TITLE BOLT, MACHINE - HEXAGON HEAD, PD SHANK, AMS 5643, .750-16 UNJF-3A	MILITARY STANDARD <b>MS9813</b>
PROCUREMENT SPECIFICATION NONE		SUPERSEDES:	PAGE 1 OF 1

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5306-0858

Review activities:  
AIR FORCE-02  
DLA-IS

(B)

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 21 DEC 83 (B) 15 AUG 84