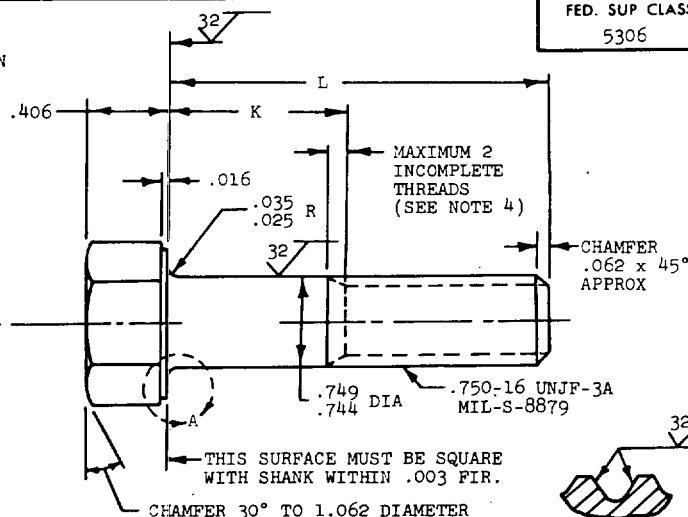
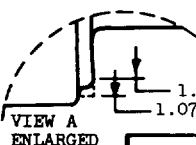
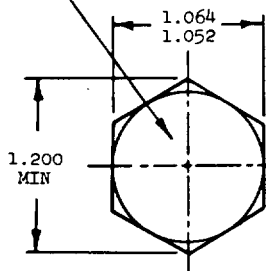


MS9791

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
MS9791-18	2.000	.190-.250	35.78	MS9791-36	4.250	2.440-2.500	63.56
MS9791-19	2.125	.315-.375	37.33	MS9791-37	4.375	2.565-2.625	65.10
MS9791-20	2.250	.440-.500	38.87	MS9791-38	4.500	2.690-2.750	66.64
MS9791-21	2.375	.565-.625	40.42	MS9791-39	4.625	2.815-2.875	68.18
MS9791-22	2.500	.690-.750	41.95	MS9791-40	4.750	2.940-3.000	69.73
MS9791-23	2.625	.815-.875	43.50	MS9791-41	4.875	3.065-3.125	71.27
MS9791-24	2.750	.940-1.000	45.14	MS9791-42	5.000	3.190-3.250	72.82
MS9791-25	2.875	1.065-1.125	46.59	MS9791-43	5.125	3.315-3.375	74.35
MS9791-26	3.000	1.190-1.250	48.13	MS9791-44	5.250	3.440-3.500	75.90
MS9791-27	3.125	1.315-1.375	49.77	MS9791-45	5.375	3.565-3.625	77.44
MS9791-28	3.250	1.440-1.500	51.21	MS9791-46	5.500	3.690-3.750	78.99
MS9791-29	3.375	1.565-1.625	52.75	MS9791-47	5.625	3.815-3.875	80.53
MS9791-30	3.500	1.690-1.750	54.30	MS9791-48	5.750	3.940-4.000	82.06
MS9791-31	3.625	1.815-1.875	55.84	MS9791-49	5.875	4.065-4.125	83.61
MS9791-32	3.750	1.940-2.000	57.39	MS9791-50	6.000	4.190-4.250	85.15
MS9791-33	3.875	2.065-2.125	58.92				
MS9791-34	4.000	2.190-2.250	60.47				
MS9791-35	4.125	2.315-2.375	62.01				

- 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 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 AV 99			BOLT, MACHINE - HEXAGON HEAD, FULL SHANK, AMS 5643, .750-16 UNJF-3A	MS9791
PROCUREMENT SPECIFICATION NONE			SUPERSEDES:	PAGE 1 OF 1

Review activities:
AIR FORCE-82
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.

APPROVED 11 MAR 70
REVISED (A) 21 DEC 83 (B) 31 OCT 84