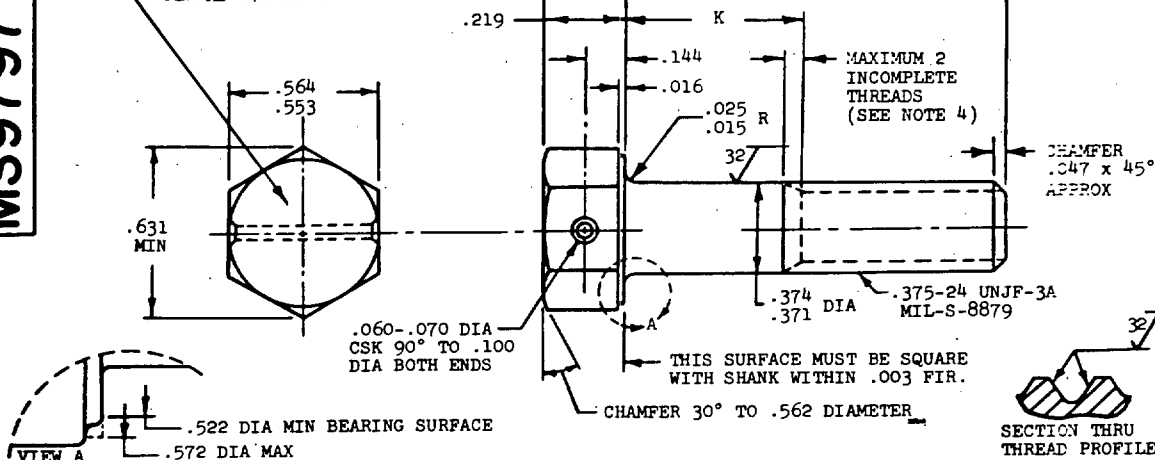


**MS9797**FED. SUP CLASS  
5306MARK PART NUMBER AND  
MANUFACTURERS IDENTIFICATION  
PER AS 478 CLASS A

PART NUMBER	L	K	APPROX WEIGHT LB/100	PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9797-13	1.188	.128-.188	5.27	MS9797-36	3.250	2.190-2.250	11.61
MS9797-14	1.250	.190-.250	5.45	MS9797-37	3.375	2.315-2.375	11.99
MS9797-15	1.312	.252-.312	5.65	MS9797-38	3.500	2.440-2.500	12.37
MS9797-16	1.375	.315-.375	5.85	MS9797-39	3.625	2.565-2.625	12.76
MS9797-17	1.438	.378-.438	6.03	MS9797-40	3.750	2.690-2.750	13.14
MS9797-18	1.500	.440-.500	6.23	MS9797-41	3.875	2.815-2.875	13.53
MS9797-19	1.562	.502-.562	6.42	MS9797-42	4.000	2.940-3.000	13.91
MS9797-20	1.625	.565-.625	6.62	MS9797-43	4.125	3.065-3.125	14.30
MS9797-21	1.688	.628-.688	6.80	MS9797-44	4.250	3.190-3.250	14.68
MS9797-22	1.750	.690-.750	7.00	MS9797-45	4.375	3.315-3.375	15.07
MS9797-23	1.812	.752-.812	7.20	MS9797-46	4.500	3.440-3.500	15.45
MS9797-24	1.875	.815-.875	7.39	MS9797-47	4.625	3.565-3.625	15.84
MS9797-25	1.938	.878-.938	7.58	MS9797-48	4.750	3.690-3.750	16.22
MS9797-26	2.000	.940-1.000	7.77	MS9797-49	4.875	3.815-3.875	16.60
MS9797-27	2.125	1.065-1.125	8.15	MS9797-50	5.000	3.940-4.000	16.99
MS9797-28	2.250	1.190-1.250	8.53	MS9797-51	5.125	4.065-4.125	17.37
MS9797-29	2.375	1.315-1.375	8.91	MS9797-52	5.250	4.190-4.250	17.76
MS9797-30	2.500	1.440-1.500	9.30	MS9797-53	5.375	4.315-4.375	18.14
MS9797-31	2.625	1.565-1.625	9.68	MS9797-54	5.500	4.440-4.500	18.53
MS9797-32	2.750	1.690-1.750	10.07	MS9797-55	5.625	4.565-4.625	18.90
MS9797-33	2.875	1.815-1.875	10.45	MS9797-56	5.750	4.690-4.750	19.29
MS9797-34	3.000	1.940-2.000	10.84	MS9797-57	5.875	4.815-4.875	19.67
MS9797-35	3.125	2.065-2.125	11.21	MS9797-58	6.000	4.940-5.000	20.06

- 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 .017 FIR.
- INCOMPLETE THREADS NOT TO ENTER FILLET.
- MATERIAL: CORROSION RESISTANT STEEL AMS 5643. **REINSTATED 15 AUG 84**
- 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.

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.			BOLT, MACHINE - HEXAGON HEAD, DRILLED, 1 HOLE,	
AV		®	FULL SHANK, AMS 5643, .375-24 UNJF-3A	<b>MS9797</b>
99				
PROCUREMENT SPECIFICATION NONE		SUPERSEDES:		PAGE 1 OF 1

Review activities:  
AIR FORCE-82  
DLA-13

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  
15 AUG 84