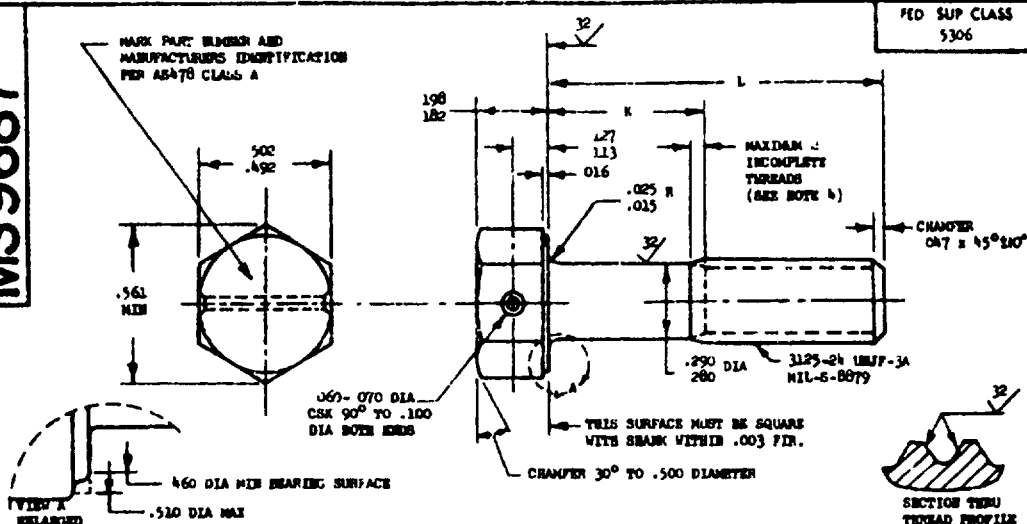


**MS9687**

PART NUMBER	L	K	APPROX WEIGHT LB/100	PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9687-31	2.375	1.440-1.500	5.50	MS9687-41	3.625	2.690-2.750	7.75
MS9687-32	2.500	1.565-1.625	5.72	MS9687-42	3.750	2.815-2.875	7.98
MS9687-33	2.625	1.690-1.750	5.95	MS9687-43	3.875	2.940-3.000	8.20
MS9687-34	2.750	1.815-1.875	6.17	MS9687-44	4.000	3.065-3.125	8.43
MS9687-35	2.875	1.940-2.000	6.40	MS9687-45	4.125	3.190-3.250	8.66
MS9687-36	3.000	2.065-2.125	6.62	MS9687-46	4.250	3.315-3.375	8.88
MS9687-37	3.125	2.190-2.250	6.85	MS9687-47	4.375	3.440-3.500	9.11
MS9687-38	3.250	2.315-2.375	7.08	MS9687-48	4.500	3.565-3.625	9.33
MS9687-39	3.375	2.440-2.500	7.30	MS9687-49	4.625	3.690-3.750	9.56
MS9687-40	3.500	2.565-2.625	7.53	MS9687-50	4.750	3.815-3.875	9.78
MS9687-11	2.375	1.440-1.500	5.50	MS9687-51	4.875	3.940-4.000	10.01
MS9687-12	2.500	1.565-1.625	5.72	MS9687-52	5.000	4.065-4.125	10.24
MS9687-13	2.625	1.690-1.750	5.95	MS9687-53	5.125	4.190-4.250	10.46
MS9687-14	2.750	1.815-1.875	6.17	MS9687-54	5.250	4.315-4.375	10.69
MS9687-15	2.875	1.940-2.000	6.40	MS9687-55	5.375	4.440-4.500	10.91
MS9687-16	3.000	2.065-2.125	6.62	MS9687-56	5.500	4.565-4.625	11.14
MS9687-17	3.125	2.190-2.250	6.85	MS9687-57	5.625	4.690-4.750	11.36
MS9687-18	3.250	2.315-2.375	7.08	MS9687-58	5.750	4.815-4.875	11.59
MS9687-19	3.375	2.440-2.500	7.30	MS9687-59	5.875	4.940-5.000	11.81
MS9687-20	3.500	2.565-2.625	7.53	MS9687-60	6.000	5.065-5.125	12.04
MS9687-21	3.625	2.690-2.750	7.75				
MS9687-22	3.750	2.815-2.875	7.98				
MS9687-23	3.875	2.940-3.000	8.20				
MS9687-24	4.000	3.065-3.125	8.43				
MS9687-25	4.125	3.190-3.250	8.66				
MS9687-26	4.250	3.315-3.375	8.88				
MS9687-27	4.375	3.440-3.500	9.11				
MS9687-28	4.500	3.565-3.625	9.33				
MS9687-29	4.625	3.690-3.750	9.56				
MS9687-30	4.750	3.815-3.875	9.78				

1. SHAFT SHALL BE STRAIGHT WITHIN .003 TOTAL PER INCH OF HOLE LENGTH
2. THE CONCENTRICITY OF THREAD PD IN RELATION TO THE SHAFT SHALL BE WITHIN .006 FIR
3. THE CONCENTRICITY OF THE SHAFT IN RELATION TO THE WASHER FACE DIAMETER AND HEXAGON SHALL BE WITHIN .015 FIR
4. INCOMPLETE THREADS NOT TO EXCEED FILLET
5. MATERIAL STEEL AMS 6304
6. HARDNESS ROCKWELL C42-46
7. FINISH DIFFUSED NICKEL CADMIUM PLATE PER AMS 2416 DIMENSIONS SPECIFIED ARE AFTER PLATING CONTACT POINTS PERMISSIBLE.
8. MANUFACTURING SPECIFICATION AMS 7459
9. MAGNETIC PARTICLE INSPECTION PER AMS 2640 BEFORE PLATING
10. SURFACE TEXTURE UNAS B46.1-1962 UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES EXCEPT UPSET HEAD
11. BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED
12. DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED, TOLERANCES LINEAR DIMENSIONS ± .010, ANGULAR DIMENSIONS ± 5°
13. 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 AIRCRAFT PART STANDARDS DIVISION

PA Air Force-H	INTERNATIONAL INTEREST AMSC AIR STD 1772	TITLE BOLT, MACHINE - HEXAGON HEAD, DRILLED 1 HOLE, PD SHAFT, STEEL AMS 6304, DIFFUSED NICKEL CADMIUM PLATE, 3125-24 UNJF-3A	MILITARY STANDARD <b>MS9687</b>
Other Cost Navy-AS			
PROCUREMENT SPECIFICATION AMS7488	SUPERSEDES:		SHEET 1 OF 1

DD FORM 672-1 (Limited circulation)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

This standard has been approved by the Department of Air Force and the Department of the Navy, and is mandatory for use by their activity. All other military activities are required to employ this standard where suitable.

APPROVED 8 Jul 71 REVISED