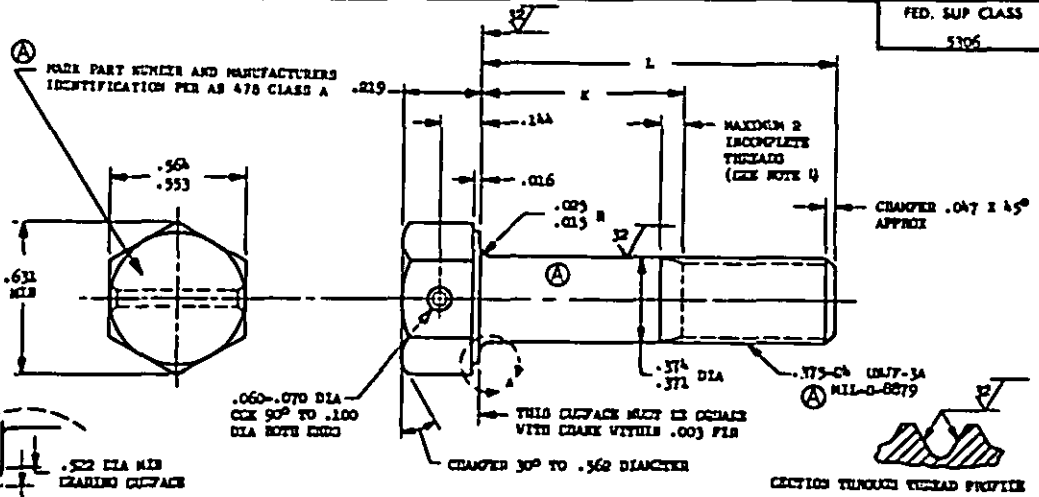


**MS9503**

FED. SUP CLASS  
5306



User activities:  
 Review activities: Army - WC, RI  
 UCAF - 02, 05

PART NUMBER	L	K	APPROX WEIGHT LB/100	PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9503-04	.625	.068-.108	3.59	MS9503-31	2.875	1.815-1.875	10.60
MS9503-05	.688	.068-.108	3.79	MS9503-32	3.000	1.940-2.000	10.99
MS9503-06	.750	.068-.108	3.90	MS9503-33	3.125	2.065-2.125	11.37
MS9503-07	.812	.068-.108	4.17	MS9503-34	3.250	2.190-2.250	11.77
MS9503-08	.875	.068-.108	4.37	MS9503-35	3.375	2.315-2.375	12.16
MS9503-09	.938	.068-.108	4.57	MS9503-36	3.500	2.440-2.500	12.55
MS9503-10	1.000	.068-.108	4.76	MS9503-37	3.625	2.565-2.625	12.94
MS9503-11	1.062	.068-.108	4.95	MS9503-38	3.750	2.690-2.750	13.33
MS9503-12	1.125	.068-.125	5.15	MS9503-39	3.875	2.815-2.875	13.72
MS9503-13	1.188	.125-.168	5.34	MS9503-40	4.000	2.940-3.000	14.11
MS9503-14	1.250	.190-.250	5.53	MS9503-A1	4.125	3.065-3.125	14.50
MS9503-15	1.312	.252-.312	5.73	MS9503-A2	4.250	3.190-3.250	14.89
MS9503-16	1.375	.315-.375	5.93	MS9503-A3	4.375	3.315-3.375	15.28
MS9503-17	1.438	.378-.438	6.12	MS9503-A4	4.500	3.440-3.500	15.67
MS9503-18	1.500	.440-.500	6.32	MS9503-A5	4.625	3.565-3.625	16.06
MS9503-19	1.562	.502-.562	6.51	MS9503-A6	4.750	3.690-3.750	16.45
MS9503-20	1.625	.565-.625	6.71	MS9503-A7	4.875	3.815-3.875	16.84
MS9503-21	1.688	.628-.688	6.90	MS9503-A8	5.000	3.940-4.000	17.23
MS9503-22	1.750	.690-.750	7.10	MS9503-A9	5.125	4.065-4.125	17.62
MS9503-23	1.812	.752-.812	7.29	MS9503-A0	5.250	4.190-4.250	18.01
MS9503-24	1.875	.815-.875	7.49	MS9503-51	5.375	4.315-4.375	18.40
MS9503-25	2.000	.940-1.000	7.68	MS9503-52	5.500	4.440-4.500	18.79
MS9503-26	2.125	1.065-1.125	8.07	MS9503-53	5.625	4.565-4.625	19.17
MS9503-27	2.250	1.190-1.250	8.46	MS9503-54	5.750	4.690-4.750	19.56
MS9503-28	2.375	1.315-1.375	8.85	MS9503-55	5.875	4.815-4.875	19.95
MS9503-29	2.500	1.440-1.500	9.24	MS9503-56	6.000	4.940-5.000	20.34
MS9503-30	2.625	1.565-1.625	9.63	MS9503-57	6.125	5.065-5.125	20.73
				MS9503-58	6.250	5.190-5.250	21.12

1. CRACK CHAMF IN STRAIGHT WITHIN .0025 TOTAL PER INCH OF BOLT LENGTH
2. THE CONCENTRICITY OF THREAD PD IS RELATION TO THE CRACK CHAMF IS WITHIN .006 PER.
3. THE CONCENTRICITY OF THE CRACK IS RELATION TO THE WAZER FACE DIAMETER AND CRACKS CHAMF IS WITHIN .017 PER.
4. INCOMPLETE THREADS NOT TO ENTER FILLET.
5. MATERIALS: CONSIDER AND GREAT RESISTANT STEEL AND 5731.
6. MANUFACTURED IDENTIFICATION: AND 7477.
7. FINISHING: PROTECTANT IDENTIFICATION PER AND 2645.
8. SURFACE TEXTURE: UNAS D46, 1-1962 UNLESS OTHERWISE SPECIFIED SURFACES TO BE 125 MICROINCHES EXCEPT HEXAGON CRACK CHAMF EDGED .003-.015 UNLESS OTHERWISE SPECIFIED.
9. DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS : .010, ANGULAR DIMENSIONS : 5°.
11. DO NOT USE UNDESIGNATED PART NUMBERS.

AS A AND ACE SOCIETY OF AUTOMOTIVE ENGINEERS, INC. PUBLICATIONS.  
 THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE MILITARY SERVICES BY THE SAE AEROSPACE PART STANDARDS DIVISION

This military standard is approved by the Department of Defense and is mandatory on all activities. Substitution for all non engineering and design specifications and for negative use shall be made from this document.

P. 11 Other Code Army - AV Navy - A3	INTERNATIONAL INTEREST ASSE AIR STD 17/7	TITLE BOLT, MACHINED - HEXAGON HEAD, DRILLED, 1 HOLE, FULL CRACK, AND 5731, .375-24 UNJF-3A	MILITARY STANDARD <b>MS9503</b>
	PROCUREMENT SPECIFICATION CODE SUPERSEDES:	SHEET 1 OF 1	

DD FORM 672-1 (Continued)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

APPROVED 5 JUL 1965  
 REVISED 17 MAY 69