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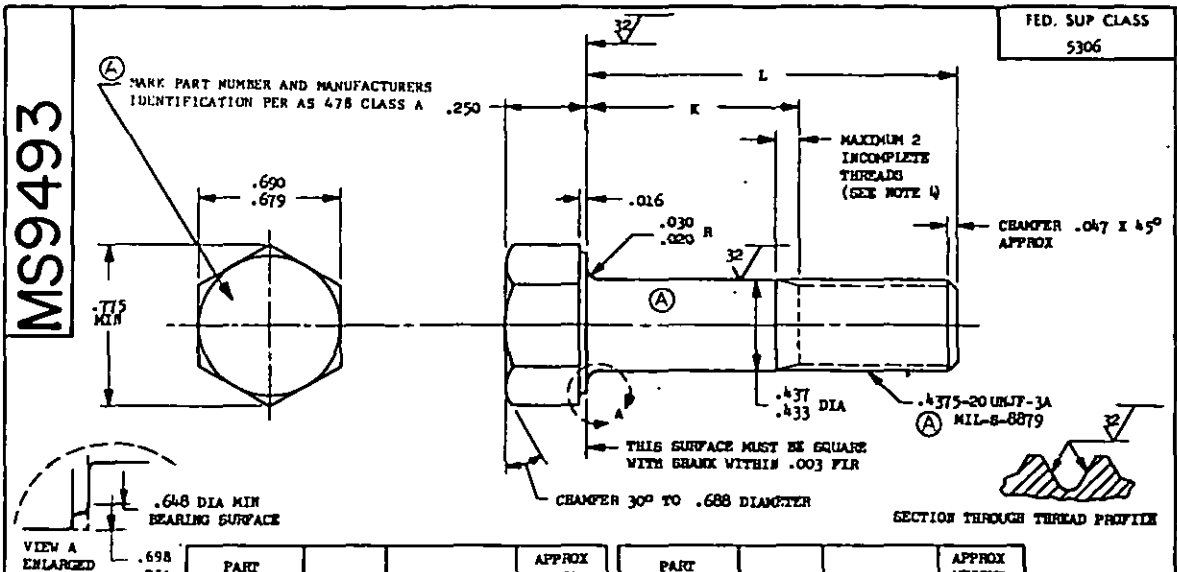
MS9493

FED. SUP CLASS 5306



PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9493-04	.688	.105-.125	5.74
MS9493-05	.750	.105-.125	6.00
MS9493-06	.812	.105-.125	6.27
MS9493-07	.875	.105-.125	6.54
MS9493-08	.938	.105-.125	6.80
MS9493-09	1.000	.105-.125	7.07
MS9493-10	1.062	.105-.125	7.33
MS9493-11	1.125	.105-.125	7.60
MS9493-12	1.188	.105-.125	7.97
MS9493-13	1.250	.105-.125	8.13
MS9493-14	1.312	.128-.188	8.39
MS9493-15	1.375	.190-.250	8.66
MS9493-16	1.438	.252-.312	8.93
MS9493-17	1.500	.315-.375	9.19
MS9493-18	1.562	.378-.438	9.45
MS9493-19	1.625	.440-.500	9.72
MS9493-20	1.688	.502-.562	9.99
MS9493-21	1.750	.565-.625	10.25
MS9493-22	1.875	.690-.750	10.79
MS9493-23	2.000	.815-.875	11.32
MS9493-24	2.125	.940-1.000	11.85
MS9493-25	2.250	1.065-1.125	12.38
MS9493-26	2.375	1.190-1.250	12.91
MS9493-27	2.500	1.315-1.375	13.44
MS9493-28	2.625	1.440-1.500	13.97
MS9493-29	2.750	1.565-1.625	14.50
MS9493-30	2.875	1.690-1.750	15.04
MS9493-31	3.000	1.815-1.875	15.57
MS9493-32	3.125	1.940-2.000	16.10
MS9493-33	3.250	2.065-2.125	16.63
MS9493-34	3.375	2.190-2.250	17.16
MS9493-35	3.500	2.315-2.375	17.69
MS9493-36	3.625	2.440-2.500	18.22
MS9493-37	3.750	2.565-2.625	18.75
MS9493-38	3.875	2.690-2.750	19.29
MS9493-39	4.000	2.815-2.875	19.82
MS9493-40	4.125	2.940-3.000	20.35
MS9493-41	4.250	3.065-3.125	20.88
MS9493-42	4.375	3.190-3.250	21.41
MS9493-43	4.500	3.315-3.375	21.94
MS9493-44	4.625	3.440-3.500	22.47
MS9493-45	4.750	3.565-3.625	23.00
MS9493-46	4.875	3.690-3.750	23.54
MS9493-47	5.000	3.815-3.875	24.07
MS9493-48	5.125	3.940-4.000	24.60
MS9493-49	5.250	4.065-4.125	25.13
MS9493-50	5.375	4.190-4.250	25.66
MS9493-51	5.500	4.315-4.375	26.19
MS9493-52	5.625	4.440-4.500	26.72
MS9493-53	5.750	4.565-4.625	27.25
MS9493-54	5.875	4.690-4.750	27.79
MS9493-55	6.000	4.815-4.875	28.32
(A) MS9493-56	1.812	.628-.688	10.52
(A) MS9493-57	1.938	.752-.812	11.06

(A) 1. SHANK SHALL BE STRAIGHT WITHIN .0025 TOTAL PER INCH OF BOLT LENGTH
2. THE CONCENTRICITY OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .006 FIR.
3. THE CONCENTRICITY OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND HEXAGON SHALL BE WITHIN .019 FIR.
4. INCOMPLETE THREADS NOT TO ENTER FILLET.
5. MATERIAL: CORROSION AND HEAT RESISTANT STEEL AMS 5731.
6. MANUFACTURING SPECIFICATION: AMS 7477.
7. FLUORESCENT PENETRANT INSPECTION PER AMS 2645.
(A) 8. SURFACE TEXTURE: USAS B46.1-1962 UNLESS OTHERWISE SPECIFIED SURFACES TO BE 125 MICROINCHES EXCEPT HEXAGON
9. BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
10. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ± .010, ANGULAR DIMENSIONS ± 5°.
11. DO NOT USE UNASSIGNED PART NUMBERS.

AS & AMS ARE SOCIETY OF AUTOMOTIVE ENGINEERS, INC. PUBLICATIONS.
(A) THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE MILITARY SERVICES BY THE SAE AEROSPACE PART STANDARDS DIVISION

REVISED (A) 17 Nov 69
APPROVED 5 May 1965

User activities:

Review activities:
Army - MC, MI
USAF - 52, 45

This military standard is approved by the Department of Defense and is mandatory on all activities. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

P.A.	INTERNATIONAL INTEREST	TITLE
USAF - 11 Other Cust Army - AV USAF - AS	ASSC AIA .ITD 17/2	(A) BOLT, MACHINE - HEXAGON HEAD, FULL SHANK, AMS 5731, .4375-20 UNJF-3A
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	

MILITARY STANDARD
MS9493
SHEET 1 OF 1

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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