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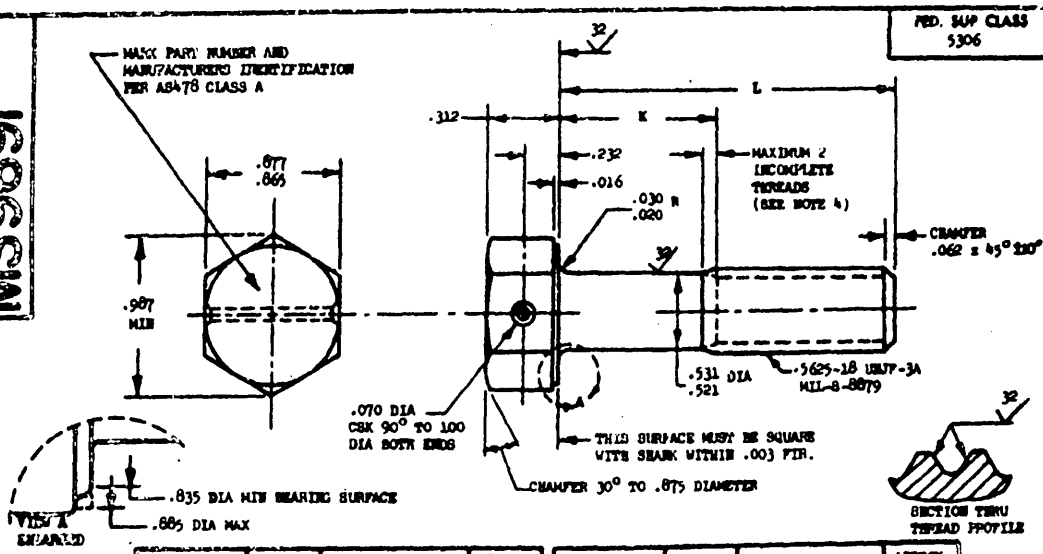
MS9691

FED. SUP CLASS 5306



PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9691-04	.875	.113- .133	10.18
MS9691-05	.938	.113- .133	10.56
MS9691-06	1.000	.113- .133	11.94
MS9691-07	1.062	.113- .133	12.32
MS9691-08	1.125	.113- .133	12.70
MS9691-09	1.188	.113- .133	13.08
MS9691-10	1.250	.113- .133	13.47
MS9691-11	1.312	.113- .133	13.85
MS9691-12	1.375	.113- .133	14.23
MS9691-13	1.438	.113- .133	14.62
MS9691-14	1.500	.113- .133	15.00
MS9691-15	1.562	.128- .188	15.38
MS9691-16	1.625	.190- .250	15.77
MS9691-17	1.688	.252- .312	16.15
MS9691-18	1.750	.315- .375	16.53
MS9691-19	1.812	.378- .438	16.91
MS9691-20	1.875	.440- .500	17.30
MS9691-21	1.938	.502- .562	17.68
MS9691-22	2.000	.565- .625	18.06
MS9691-23	2.125	.690- .750	18.83
MS9691-24	2.250	.815- .875	19.60
MS9691-25	2.375	.940-1.000	20.36
MS9691-26	2.500	1.065-1.125	21.13
MS9691-27	2.625	1.190-1.250	21.90
MS9691-28	2.750	1.315-1.375	22.66
MS9691-29	2.875	1.440-1.500	23.43
MS9691-30	3.000	1.565-1.625	24.19

PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9691-31	3.125	1.690-1.750	24.96
MS9691-32	3.250	1.815-1.875	25.73
MS9691-33	3.375	1.940-2.000	26.49
MS9691-34	3.500	2.065-2.125	27.26
MS9691-35	3.625	2.190-2.250	28.02
MS9691-36	3.750	2.315-2.375	28.79
MS9691-37	3.875	2.440-2.500	29.56
MS9691-38	4.000	2.565-2.625	30.32
MS9691-39	4.125	2.690-2.750	31.09
MS9691-40	4.250	2.815-2.875	31.86
MS9691-41	4.375	2.940-3.000	32.62
MS9691-42	4.500	3.065-3.125	33.39
MS9691-43	4.625	3.190-3.250	34.15
MS9691-44	4.750	3.315-3.375	34.92
MS9691-45	4.875	3.440-3.500	35.69
MS9691-46	5.000	3.565-3.625	36.45
MS9691-47	5.125	3.690-3.750	37.22
MS9691-48	5.250	3.815-3.875	37.99
MS9691-49	5.375	3.940-4.000	38.75
MS9691-50	5.500	4.065-4.125	39.52
MS9691-51	5.625	4.190-4.250	40.28
MS9691-52	5.750	4.315-4.375	41.05
MS9691-53	5.875	4.440-4.500	41.82
MS9691-54	6.000	4.565-4.625	42.58

1. DRUNK SHALL BE STRAIGHT WITHIN .002 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 .026 FIR.
4. INCOMPLETE THREADS NOT TO ENTER 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. INSTRUMENTATION SPECIFICATION: AMS 7459.
9. MAGNETIC PARTICLE INSPECTION PER AMS 2640 BEFORE PLATING.
10. SURFACE TEXTURE: USAS 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 A AMS ARE SOCIETY OF AUTOMOTIVE ENGINEERS, INC. PUBLICATIONS.
THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE MILITARY SERVICES BY THE SAE AEROSPACE PART STANDARDS DIVISION.

APPROVED 8 Jul 71 REVISED

P.A.	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
Custodians: Army - AR Navy - AS	AECO AMS STD 17/2	BOLT, MACHINE - HEXAGON HEAD, DRILLED, 1 BOLT, FD SHANK, STEEL AMS 6304, DIFFUSED NICKEL CADMIUM PLATE, .5625-18 UNJF-3A	MS9691
PROCUREMENT SPECIFICATION AMS7459	SUPERSEDES:		SHEET 1 OF 1

DD FORM 672-1 (Latest revision) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE