

FED SUP CLASS
5306

MS9492

MARK PART NUMBER AND MANUFACTURERS IDENTIFICATION PER AS 478 CLASS A

VIEW A ENLARGED

SECTION THROUGH THREAD PROFILE

THIS SURFACE MUST BE SQUARE WITH SHANK WITHIN .003 FIR

CHAMFER .047 X 45° APPROX

CHAMFER 30° TO .562 DIAMETER

PART NUMBER	L	K	APPROX WEIGHT LB/100	PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9492-04	.625	.088-.108	3.64	MS9492-31	2.875	1.815-1.875	10.65
MS9492-05	.688	.088-.108	3.84	MS9492-32	3.000	1.940-2.000	11.04
MS9492-06	.750	.088-.108	4.03	MS9492-33	3.125	2.065-2.125	11.43
MS9492-07	.812	.088-.108	4.22	MS9492-34	3.250	2.190-2.250	11.82
MS9492-08	.875	.088-.108	4.42	MS9492-35	3.375	2.315-2.375	12.21
MS9492-09	.938	.088-.108	4.62	MS9492-36	3.500	2.440-2.500	12.60
MS9492-10	1.000	.088-.108	4.81	MS9492-37	3.625	2.565-2.625	12.99
MS9492-11	1.062	.088-.108	5.00	MS9492-38	3.750	2.690-2.750	13.38
MS9492-12	1.125	.088-.125	5.20	MS9492-39	3.875	2.815-2.875	13.77
MS9492-13	1.188	.128-.188	5.39	MS9492-40	4.000	2.940-3.000	14.16
MS9492-14	1.250	.190-.250	5.58	MS9492-41	4.125	3.065-3.125	14.55
MS9492-15	1.312	.252-.312	5.78	MS9492-42	4.250	3.190-3.250	14.94
MS9492-16	1.375	.315-.375	5.98	MS9492-43	4.375	3.315-3.375	15.33
MS9492-17	1.438	.378-.438	6.17	MS9492-44	4.500	3.440-3.500	15.72
MS9492-18	1.500	.440-.500	6.37	MS9492-45	4.625	3.565-3.625	16.11
MS9492-19	1.562	.502-.562	6.56	MS9492-46	4.750	3.690-3.750	16.50
MS9492-20	1.625	.565-.625	6.76	MS9492-47	4.875	3.815-3.875	16.89
MS9492-21	1.688	.628-.688	6.95	MS9492-48	5.000	3.940-4.000	17.28
MS9492-22	1.750	.690-.750	7.15	MS9492-49	5.125	4.065-4.125	17.67
MS9492-23	1.812	.815-.875	7.54	MS9492-50	5.250	4.190-4.250	18.06
MS9492-24	2.000	.940-1.000	7.93	MS9492-51	5.375	4.315-4.375	18.45
MS9492-25	2.125	1.065-1.125	8.32	MS9492-52	5.500	4.440-4.500	18.84
MS9492-26	2.250	1.190-1.250	8.70	MS9492-53	5.625	4.565-4.625	19.22
MS9492-27	2.375	1.315-1.375	9.09	MS9492-54	5.750	4.690-4.750	19.61
MS9492-28	2.500	1.440-1.500	9.48	MS9492-55	5.875	4.815-4.875	20.00
MS9492-29	2.625	1.565-1.625	9.87	MS9492-56	6.000	4.940-5.000	20.39
MS9492-30	2.750	1.690-1.750	10.26	MS9492-57	1 812	752 - 812	7 35
				MS9492-58	1 938	878 - 938	7 74

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 .017 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 PFR AMS 2645.

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.

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THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE MILITARY SERVICES BY THE SAE AEROSPACE PART STANDARDS DIVISION

P.A. 11AF - 11
Other Cast
Army - AV
Navy - AS

INTERATIONAL
INTEREST
ASCC AIR STD
17/2

TITLE
BOLT, MACHINE - HEXAGON HEAD, FULL SHANK,
AMS 5731, 375-24 UNJF-3A

MILITARY STANDARD

MS9492

PROCUREMENT SPECIFICATION
M.M.S.

SUPERSEDES:

SHEET 1 OF 1

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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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.