

FED. SUP CLASS
5306

MS9495

MARK PART NUMBER AND MANUFACTURERS IDENTIFICATION PER AS 478 CLASS A .312

VIEW A ENLARGED

.885 DIA MAX

MAXIMUM 2 INCOMPLETE THREADS (SEE NOTE 4)

CHAMFER .062 X 45° APPROX

THIS SURFACE MUST BE SQUARE WITH SHANK WITHIN .003 FIR

CHAMFER 30° TO .875 DIAMETER

SECTION THROUGH THREAD PROFILE

PART NUMBER	L	K	APPROX WEIGHT LB/100	PART NUMBER	L	K	APPROX WEIGHT LB/100
MS9495-04	.875	.113-.133	11.44	MS9495-31	3.250	1.815-1.875	28.17
MS9495-05	.938	.113-.133	11.88	MS9495-32	3.375	1.940-2.000	29.05
MS9495-06	1.000	.113-.133	12.32	MS9495-33	3.500	2.065-2.125	29.93
MS9495-07	1.062	.113-.133	12.76	MS9495-34	3.625	2.190-2.250	30.81
MS9495-08	1.125	.113-.133	13.20	MS9495-35	3.750	2.315-2.375	31.70
MS9495-09	1.188	.113-.133	13.64	MS9495-36	3.875	2.440-2.500	32.58
MS9495-10	1.250	.113-.133	14.08	MS9495-37	4.000	2.565-2.625	33.46
MS9495-11	1.312	.113-.133	14.52	MS9495-38	4.125	2.690-2.750	34.34
MS9495-12	1.375	.113-.133	14.97	MS9495-39	4.250	2.815-2.875	35.22
MS9495-13	1.438	.113-.133	15.41	MS9495-40	4.375	2.940-3.000	36.10
MS9495-14	1.500	.113-.133	15.85	MS9495-41	4.500	3.065-3.125	36.98
MS9495-15	1.562	.128-.168	16.29	MS9495-42	4.625	3.190-3.250	37.86
MS9495-16	1.625	.190-.250	16.63	MS9495-43	4.750	3.315-3.375	38.74
MS9495-17	1.688	.252-.312	17.17	MS9495-44	4.875	3.440-3.500	39.62
MS9495-18	1.750	.315-.375	17.61	MS9495-45	5.000	3.565-3.625	40.50
MS9495-19	1.812	.378-.438	18.05	MS9495-46	5.125	3.690-3.750	41.38
MS9495-20	1.875	.440-.500	18.49	MS9495-47	5.250	3.815-3.875	42.26
MS9495-21	2.000	.565-.625	19.37	MS9495-48	5.375	3.940-4.000	43.14
MS9495-22	2.125	.690-.750	20.25	MS9495-49	5.500	4.065-4.125	44.02
MS9495-23	2.250	.815-.875	21.13	MS9495-50	5.625	4.190-4.250	44.90
MS9495-24	2.375	.940-1.000	22.01	MS9495-51	5.750	4.315-4.375	45.78
MS9495-25	2.500	1.065-1.125	22.89	MS9495-52	5.875	4.440-4.500	46.66
MS9495-26	2.625	1.190-1.250	23.77	MS9495-53	6.000	4.565-4.625	47.54
MS9495-27	2.750	1.315-1.375	24.65	MS9495-54	1.938	.502-.562	18.93
MS9495-28	2.875	1.440-1.500	25.53				
MS9495-29	3.000	1.565-1.625	26.41				
MS9495-30	3.125	1.690-1.750	27.29				

1. SHANK 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: CORROSION AND HEAT RESISTANT STEEL AMS 5731.

6. MANUFACTURING SPECIFICATION: AMS 7477.

7. FLUORESCENT PENETRANT INSPECTION PER AMS 2645.

8. SURFACE TEXTURE: USAS 846.1-1962 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. USAF - 11
Other Cost

Army - AV
USAF - AS

PROCUREMENT SPECIFICATION
NONE

INTERATIONAL INTEREST

ASCC AIR STD 17/2

TITLE

BOLT, MACHINE - HEXAGON HEAD, FULL SHANK, AMS 5731, .5625-18 UNJF-3A

SUPERSEDES:

MILITARY STANDARD

MS9495

SHEET 1 OF 1

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DD FORM 672-1 (Coordinated)

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