

**MS9765 (ASG)**

MARK PART NO. AND MANUFACTURER'S IDENTIFICATION PER AS 478 CLASS A

WRENCHING CONFIGURATION PER AS 870 FOR THIS DISTANCE

.6250 NOM

.254 MIN

5° MAX

.370 DIA

.875

.070 DIA 4 HOLES EQUALLY SPACED AS SHOWN CSK 90° TO .100 DIA

.561

.452

.290

.130 MIN

.030 R

.020

32°

MAXIMUM 2 INCOMPLETE THREADS (SEE NOTE 4)

CHAMFER .062 X 45° APPROX

.5625-18 UNJF-3A MIL-S-8879

.531 DIA

.521

140° MIN

THIS SURFACE MUST BE SQUARE WITH SHANK WITHIN .003 FIR.

35° MIN TO ROOT OF DOUBLE HEXAGON

.015 R MAX

SECTION THRU THREAD PROFILE

PART NO.	L	K	APPROX WEIGHT LB/100	PART NO.	L	K	APPROX WEIGHT LB/100	PART NO.	L	K	APPROX WEIGHT LB/100
MS9765-04	.875	.113-.133	6.51	MS9765-22	2.125	.630-.750	10.83	MS9765-40	4.375	2.940-3.000	18.60
MS9765-05	.938	.113-.133	6.72	MS9765-23	2.250	.815-.875	11.26	MS9765-41	4.500	3.065-3.125	19.04
MS9765-06	1.000	.113-.133	6.94	MS9765-24	2.375	.900-1.000	11.69	MS9765-42	4.625	3.190-3.250	19.47
MS9765-07	1.062	.113-.133	7.16	MS9765-25	2.500	1.065-1.125	12.12	MS9765-43	4.750	3.315-3.375	19.90
MS9765-08	1.125	.113-.133	7.37	MS9765-26	2.625	1.190-1.250	12.56	MS9765-44	4.875	3.440-3.500	20.33
MS9765-09	1.188	.113-.133	7.59	MS9765-27	2.750	1.315-1.375	12.99	MS9765-45	5.000	3.565-3.625	20.76
MS9765-10	1.250	.113-.133	7.80	MS9765-28	2.875	1.440-1.500	13.42	MS9765-46	5.125	3.690-3.750	21.20
MS9765-11	1.312	.113-.133	8.02	MS9765-29	3.000	1.565-1.625	13.85	MS9765-47	5.250	3.815-3.875	21.63
MS9765-12	1.375	.113-.133	8.24	MS9765-30	3.125	1.690-1.750	14.28	MS9765-48	5.375	3.940-4.000	22.06
MS9765-13	1.438	.113-.133	8.46	MS9765-31	3.250	1.815-1.875	14.71	MS9765-49	5.500	4.065-4.125	22.49
MS9765-14	1.500	.113-.133	8.67	MS9765-32	3.375	1.940-2.000	15.14	MS9765-50	5.625	4.190-4.250	22.92
MS9765-15	1.562	.113-.133	8.89	MS9765-33	3.500	2.065-2.125	15.57	MS9765-51	5.750	4.315-4.375	23.36
MS9765-16	1.625	.100-.125	9.10	MS9765-34	3.625	2.190-2.250	16.00	MS9765-52	5.875	4.440-4.500	23.79
MS9765-17	1.688	.100-.125	9.32	MS9765-35	3.750	2.315-2.375	16.43	MS9765-53	6.000	4.565-4.625	24.22
MS9765-18	1.750	.100-.125	9.53	MS9765-36	3.875	2.440-2.500	16.86				
MS9765-19	1.812	.375-.438	9.75	MS9765-37	4.000	2.565-2.625	17.29				
MS9765-20	1.875	.440-.500	9.96	MS9765-38	4.125	2.690-2.750	17.72				
MS9765-21	2.000	.565-.625	10.40	MS9765-39	4.250	2.815-2.875	18.15				

- SHANK SHALL BE STRAIGHT WITHIN .002 PER INCH OF BOLT LENGTH.
- THE RUNOUT OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .006 FIP.
- THE RUNOUT OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND DOUBLE HEXAGON CD SHALL BE WITHIN .013 FIR.
- INCOMPLETE THREADS NOT TO ENTER FILLET.
- MATERIAL: TITANIUM AIS 4967.
- HARDNESS: ROCKWELL C36-42.
- MANUFACTURING SPECIFICATION: AMS 7461, EXCEPT MATERIAL AS NOTED.
- FLUORESCENT PENETRANT INSPECTION PER AIS 2645.
- SURFACE TEXTURE: USAS B-6.1-1962. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICRONS EXCEPT UPSET HEAD.
- BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ±.010, ANGULAR DIMENSIONS ±5°.
- DO NOT USE UNASSIGNED PART NUMBERS.

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

USAF - 11  
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TITLE  
BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER  
HEAD, DRILLED, PD SHANK, TITANIUM AIS 4967,  
.5625-18 UNJF-3A

MILITARY STANDARD  
**MS9765 (ASG)**

PRELIMINARY SPECIFICATION SUPERSEDES: SHEET 1 OF 1

Review activities: USAF-42, 85

This military standard is approved by the Department of the Air Force and the Naval Air Systems Command and is mandatory for use by these activities. All other military activities are required to employ this standard where suitable.

DD FORM 672-1 (Limited circulation)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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