

**MS9763 (ASG)**

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

WRENCHING CONFIGURATION PER AS 870 FOR THIS DISTANCE

5000 NOM.

.688

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

.310 DIA

CHAMFER 28° - 32° TO .500 DIA

.210 MIN

5° MAX

.454

.351

.212

.110 MIN

.030 R

.020

32

MAXIMUM 2 INCOMPLETE THREADS (SEE NOTE 4)

CHAMFER .047 X 45° APPROX

.4375-20 UNJF-3A MIL-S-8879

.410 DIA

.400 DIA

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

FED SUP CLASS 5306

PART NO.	L	K	APPROX WEIGHT LB/100	PART NO.	L	K	APPROX WEIGHT LB/100	PART NO.	L	K	APPROX WEIGHT LB/100
MS9763-04	.688	.105-.125	3.12	MS9763-22	1.512	.625-.685	5.43	MS9763-40	4.000	2.815-2.875	9.91
MS9763-05	.750	.105-.125	3.25	MS9763-23	1.875	.690-.750	5.56	MS9763-41	4.125	2.940-3.000	10.16
MS9763-06	.512	.105-.125	3.35	MS9763-24	2.000	.515-.575	5.51	MS9763-42	4.250	3.065-3.125	10.42
MS9763-07	.875	.105-.125	3.51	MS9763-25	2.125	.940-1.000	6.07	MS9763-43	4.375	3.190-3.250	10.66
MS9763-08	.935	.105-.125	3.64	MS9763-26	2.250	1.065-1.125	6.32	MS9763-44	4.500	3.315-3.375	10.93
MS9763-09	1.000	.105-.125	3.76	MS9763-27	2.375	1.190-1.250	6.55	MS9763-45	4.625	3.440-3.500	11.19
MS9763-10	1.062	.105-.125	3.89	MS9763-28	2.500	1.315-1.375	6.84	MS9763-46	4.750	3.565-3.625	11.44
MS9763-11	1.125	.105-.125	4.02	MS9763-29	2.625	1.440-1.500	7.04	MS9763-47	4.875	3.690-3.750	11.70
MS9763-12	1.188	.105-.125	4.15	MS9763-30	2.750	1.565-1.625	7.35	MS9763-48	5.000	3.815-3.875	11.96
MS9763-13	1.250	.105-.125	4.25	MS9763-31	2.875	1.690-1.750	7.60	MS9763-49	5.125	3.940-4.000	12.21
MS9763-14	1.312	.125-.150	4.40	MS9763-32	3.000	1.815-1.875	7.86	MS9763-50	5.250	4.065-4.125	12.47
MS9763-15	1.375	.190-.250	4.53	MS9763-33	3.125	1.940-2.000	8.12	MS9763-51	5.375	4.190-4.250	12.72
MS9763-16	1.438	.252-.312	4.66	MS9763-34	3.250	2.065-2.125	8.37	MS9763-52	5.500	4.315-4.375	12.98
MS9763-17	1.500	.315-.375	4.79	MS9763-35	3.375	2.190-2.250	8.63	MS9763-53	5.625	4.440-4.500	13.24
MS9763-18	1.562	.375-.438	4.92	MS9763-36	3.500	2.315-2.375	8.88	MS9763-54	5.750	4.565-4.625	13.49
MS9763-19	1.625	.440-.500	5.04	MS9763-37	3.625	2.440-2.500	9.14	MS9763-55	5.875	4.690-4.750	13.75
MS9763-20	1.688	.502-.562	5.17	MS9763-38	3.750	2.565-2.625	9.40	MS9763-56	6.000	4.815-4.875	14.00
MS9763-21	1.750	.565-.625	5.30	MS9763-39	3.875	2.690-2.750	9.65				

- SHANK SHALL BE STRAIGHT WITHIN .0025 PER INCH OF BOLT LENGTH.
- THE RUNOUT OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .006 FIR.
- THE RUNOUT OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND DOUBLE HEXAGON OD SHALL BE WITHIN .030 FIR.
- INCOMPLETE THREADS NOT TO ENTER FILLET.
- MATERIAL: TITANIUM AMS 4967.
- HARDNESS: ROCKWELL C36-42.
- MANUFACTURING SPECIFICATION: AMS 7461, EXCEPT MATERIAL AS NOTED.
- FLUORESCENT PENETRANT INSPECTION PER AMS 2645.
- SURFACE TEXTURE: USAS B46.1-1962. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES EXCEPT UPSET HEAD.
- BREAK SHARP EDGES .003-.014 UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS +.010, ANGULAR DIMENSIONS ±5°.
- 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 DIV.

SAE	USAF - 11	TITLE	MILITARY STANDARD
Other Com		BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, TITANIUM AMS 4967, .4375-20 UNJF-3A	MS9763 (ASG)
Navy - A			
PROCUREMENT SPECIFICATION	SUPERSOURCE		SHEET 1 OF 1

DD FORM 672-1 (Limited circulation)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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Review activities:

USAF-82.85

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

REVISED

APPROVED 1 Apr 69