

MS9753 (ASG)

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

WRENCHING CONFIGURATION PER AS 570 FOR THIS DISTANCE

4375 NOM

562

32

.383

L

.184

K

.090 MIN

.025 R

.015

32

MAXIMUM 2 INCOMPLETE THREADS (SEE NOTE 4)

CHAMFER .047 X 45° APPROX

5° MAX

.188 MIN

.260 DIA

140° MIN

.353 DIA

.375-24 UNJF-3A MIL-S-8879

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
MS9753-04	.625	.088-.108	1.97	MS9753-22	1.750	.695-.750	3.67	MS9753-40	3.875	2.515-2.875	6.88
MS9753-05	.650	.088-.108	2.07	MS9753-23	1.812	.752-.812	3.77	MS9753-41	4.000	2.940-3.000	7.07
MS9753-06	.750	.088-.108	2.16	MS9753-24	1.875	.815-.875	3.86	MS9753-42	4.125	3.065-3.125	7.26
MS9753-07	.812	.088-.108	2.26	MS9753-25	2.000	.940-1.000	4.05	MS9753-43	4.250	3.190-3.250	7.45
MS9753-08	.875	.088-.108	2.35	MS9753-26	2.125	1.065-1.125	4.24	MS9753-44	4.375	3.315-3.375	7.64
MS9753-09	.938	.088-.108	2.44	MS9753-27	2.250	1.190-1.250	4.43	MS9753-45	4.500	3.440-3.500	7.83
MS9753-10	1.000	.088-.108	2.54	MS9753-28	2.375	1.315-1.375	4.62	MS9753-46	4.625	3.565-3.625	8.01
MS9753-11	1.062	.088-.108	2.63	MS9753-29	2.500	1.440-1.500	4.80	MS9753-47	4.750	3.690-3.750	8.20
MS9753-12	1.125	.088-.108	2.72	MS9753-30	2.625	1.565-1.625	4.99	MS9753-48	4.875	3.815-3.875	8.39
MS9753-13	1.188	.125-.158	2.82	MS9753-31	2.750	1.690-1.750	5.18	MS9753-49	5.000	3.940-4.000	8.58
MS9753-14	1.250	.190-.250	2.92	MS9753-32	2.875	1.815-1.875	5.37	MS9753-50	5.125	4.065-4.125	8.77
MS9753-15	1.312	.252-.312	3.01	MS9753-33	3.000	1.940-2.000	5.56	MS9753-51	5.250	4.190-4.250	8.96
MS9753-16	1.375	.315-.375	3.11	MS9753-34	3.125	2.065-2.125	5.75	MS9753-52	5.375	4.315-4.375	9.15
MS9753-17	1.438	.378-.438	3.20	MS9753-35	3.250	2.190-2.250	5.94	MS9753-53	5.500	4.440-4.500	9.34
MS9753-18	1.500	.440-.500	3.29	MS9753-36	3.375	2.315-2.375	6.13	MS9753-54	5.625	4.565-4.625	9.53
MS9753-19	1.562	.502-.562	3.39	MS9753-37	3.500	2.440-2.500	6.32	MS9753-55	5.750	4.690-4.750	9.71
MS9753-20	1.625	.565-.625	3.48	MS9753-38	3.625	2.565-2.625	6.50	MS9753-56	5.875	4.815-4.875	9.90
MS9753-21	1.688	.628-.688	3.58	MS9753-39	3.750	2.690-2.750	6.69	MS9753-57	6.000	4.940-5.000	10.09

- 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 .009 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 2845.
- SURFACE TEXTURE: USAS B46.1-1962. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES 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.

P.A. USAF - 11 Other Com Navy - AS	TITLE BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, PD SHANK, TITANIUM AMS 4967, .375-24 UNJF-3A	MILITARY STANDARD MS9753 (ASG)
PROCUREMENT SPECIFICATION		SHEET 1 OF 1

DD FORM 672-1 (Limited coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

Project No. 5300-FOC
U. S. GOVERNMENT PRINTING OFFICE: 1965-34-5512/A-5342

Review activities: USAP-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 these activities. All other military activities are required to comply with this standard where suitable.

REVISED
APPROVED 3 MAR 69