

**MS9740 (ASG)**

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

WRENCHING CONFIGURATION PER AS 870 FOR THIS DISTANCE

MAX DIA HOLE OPTIONAL

CHAMFER 28°-32° TO .219 DIA

CHAMFER .025 X 45° APPROX

MAXIMUM 2 INCOMPLETE THREADS (SEE NOTE 4)

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

SECTION THRU THREAD PROFILE

REVIEW activities: USAF - 82, 85

PART NO.	L	K	APPROX WEIGHT LB/100
MS9740-02	.250	.062-.082	.41
MS9740-03	.312	.062-.082	.44
MS9740-04	.375	.062-.082	.47
MS9740-05	.438	.062-.082	.50
MS9740-06	.500	.062-.082	.52
MS9740-07	.562	.062-.082	.55
MS9740-08	.625	.062-.082	.58
MS9740-09	.688	.062-.110	.61
MS9740-10	.750	.112-.172	.64
MS9740-11	.812	.174-.234	.67
MS9740-12	.875	.237-.297	.70
MS9740-13	.938	.300-.360	.73
MS9740-14	1.000	.362-.422	.76
MS9740-15	1.062	.424-.484	.79
MS9740-16	1.125	.487-.547	.82
MS9740-17	1.188	.550-.610	.85
MS9740-18	1.250	.612-.672	.88
MS9740-19	1.312	.674-.734	.90
MS9740-20	1.375	.737-.797	.94
MS9740-21	1.438	.800-.860	.96
MS9740-22	1.500	.862-.922	.99
MS9740-23	1.562	.924-.984	1.02
MS9740-24	1.625	.987-1.047	1.05
MS9740-25	1.688	1.050-1.110	1.08
MS9740-26	1.750	1.112-1.172	1.11
MS9740-27	1.812	1.174-1.234	1.14
MS9740-28	1.875	1.237-1.297	1.17
MS9740-29	2.000	1.362-1.422	1.23

- SHANK SHALL BE STRAIGHT WITHIN .003 PER INCH OF SCREW 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 .005 FIR.
- INCOMPLETE THREADS NOT TO ENTER FILLET.
- MATERIAL: CRES AMS 5643.
- HARDNESS: ROCKWELL C32-38.
- MANUFACTURING SPECIFICATION: AMS 7474.
- 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-.015 UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS  $\pm .010$ , ANGULAR DIMENSIONS  $\pm 5^\circ$ .
- 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.

P.A. USAF - 11	TITLE	MILITARY STANDARD
Other Cost	SCREW, MACHINE - DOUBLE HEXAGON EXTENDED WASHER	<b>MS9740 (ASG)</b>
Navy - A-1	HEAD, DRILLED, PD SHANK, CRES AMS 5643, .164-36 UNJF-3A	
PROCUREMENT SPECIFICATION	SUPERSEDES:	SHEET 1 OF 1

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