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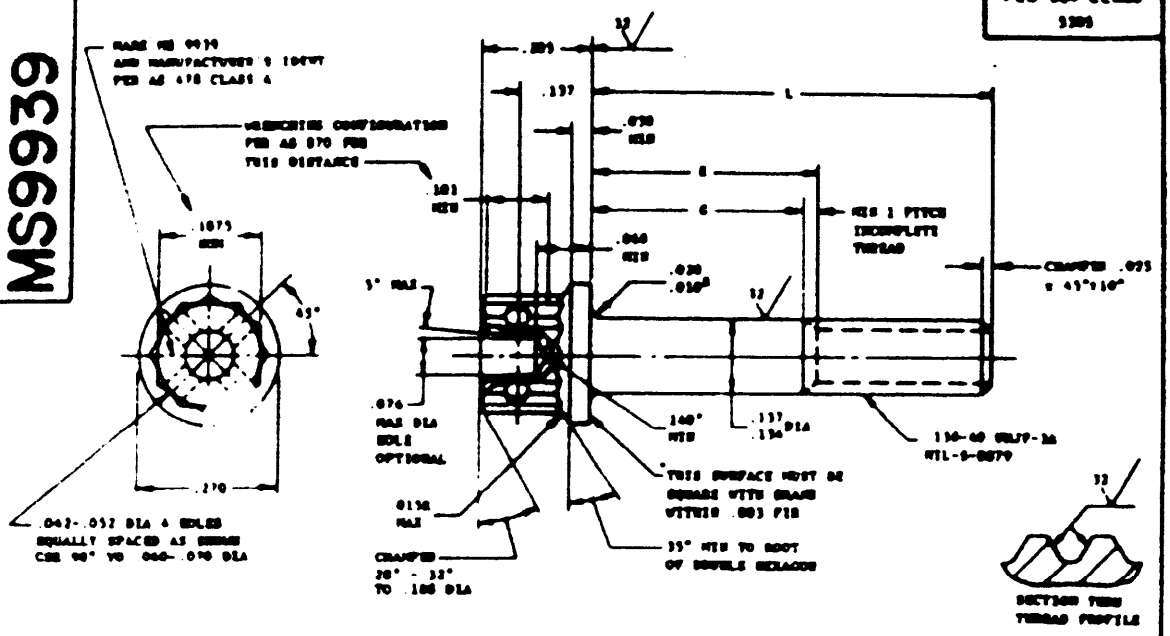
MS9939



PART NO	L	C MIN	S MAX	APPROX WEIGHT LB/100
MS9939-09	.688	.042	.162	.418
MS9939-10	.750	.104	.224	.644
MS9939-11	.812	.166	.286	.670
MS9939-12	.875	.229	.349	.696
MS9939-13	.938	.292	.412	.523
MS9939-14	1.000	.354	.474	.550
MS9939-15	1.062	.416	.536	.576
MS9939-16	1.125	.479	.599	.602
MS9939-17	1.188	.542	.662	.629
MS9939-18	1.250	.604	.724	.656

PART NO.	L	C MIN	S MAX	APPROX WEIGHT LB/100
MS9939-19	1.312	.666	.788	.682
MS9939-20	1.375	.729	.849	.708
MS9939-21	1.438	.792	.912	.735
MS9939-22	1.500	.854	.976	.762
MS9939-23	1.562	.916	1.036	.789
MS9939-24	1.625	.979	1.099	.816
MS9939-25	1.688	1.042	1.162	.843
MS9939-26	1.750	1.104	1.224	.870
MS9939-27	1.812	1.166	1.286	.897
MS9939-28	1.875	1.229	1.349	.924
MS9939-29	1.938	1.292	1.412	.950
MS9939-30	2.000	1.354	1.474	.976

1. SHANK SHALL BE STRAIGHT WITHIN .001 TOTAL FIR INCH OF SCREW LENGTH.
2. THE CONCENTRICITY OF THREAD PD IS RELATION TO THE SHANK SHALL BE WITHIN .006 FIR
3. THE CONCENTRICITY OF THE SHANK IS RELATION TO THE WASHER FACE DIAMETER AND DOUBLE HEXAGON SHALL BE WITHIN .004 FIR
4. MATERIAL STEEL AMS 6322
5. HARDNESS ROCKWELL C36-32
6. FINISH CADMIUM PLATE AMS 2400. DIMENSIONS SPECIFIED ARE AFTER PLATING
7. MANUFACTURING SPECIFICATION AMS 7492 EXCEPT HEAD SHALL BE UPSET.
8. HEAD TO SHANK FILLET SHALL BE COLD WORKED.
9. MAGNETIC PARTICLE INSPECTION PER AMS 2640 AFTER PLATING.
10. SURFACE TEXTURE: MSAS 846.1-1962. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES EXCEPT UPSET HEAD.
11. BREAK SHARP EDGES .005-.015 UNLESS OTHERWISE SPECIFIED.
12. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ±.010, ANGULAR DIMENSIONS ±5°.
13. DO NOT USE UNASSIGNED PART NUMBERS

AS A AND AAE SOCIETY OF AUTOMOTIVE ENGINEERS, INC. PUBLICATIONS
THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE MILITARY SERVICES BY THE SAE AEROSPACE PART STANDARDS DIVISION.

APPROVED 30 Dec 70 REVISED

PA	TITLE: SCREW, MACHINE, DOUBLE HEXAGON FLANGED WASHER HEAD, WITH FULL SHANK, STEEL, AMS 6322, CADMIUM PLATED, 160,000 PSI	MILITARY STANDARD MS 9939
PROCUREMENT SPECIFICATION AMS	SUPERSEDES	SHEET 1 OF 1

DD FORM 672-1 (Reverse) 4/70 Use only

This military standard is approved by the Department of the Air Force and the Bureau of Naval Weapons and is mandatory for use by them in all their activities. All other activities are required to apply it as a standard where suitable.

Air Force activities
Air Force 68
Navy - AS

Navy MC, CG