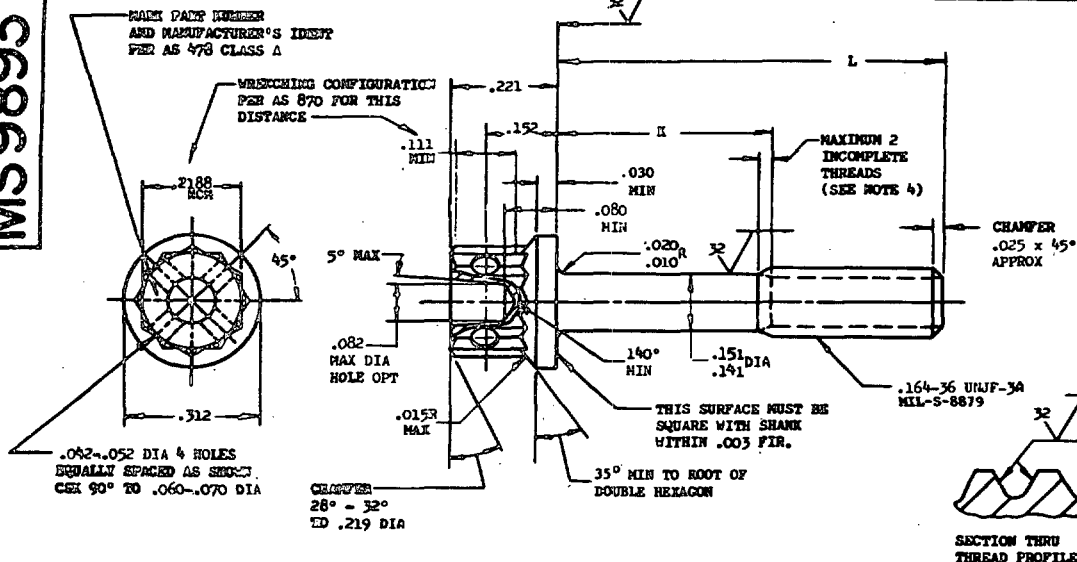


7355 2

### FED. SUP CLASS

5305

CSGSM



PART NO.	L	K	APPROX WEIGHT LB/100	PART NO.	L	K	APPROX WEIGHT LB/100
MS9893-02	.250	.062 -.082	.412	MS9893-16	1.125	.487 -.547	.828
MS9893-03	.312	.062 -.082	.442	MS9893-17	1.188	.550 -.610	.857
MS9893-04	.375	.062 -.082	.472	MS9893-18	1.250	.612 -.672	.888
MS9893-05	.438	.062 -.082	.503	MS9893-19	1.312	.674 -.734	.916
MS9893-06	.500	.062 -.082	.532	MS9893-20	1.375	.737 -.797	.945
MS9893-07	.562	.062 -.082	.562	MS9893-21	1.438	.800 -.860	.974
MS9893-08	.625	.062 -.082	.591	MS9893-22	1.500	.862 -.922	1.006
MS9893-09	.688	.062 -.110	.622	MS9893-23	1.562	.924 -.984	1.035
MS9893-10	.750	.112 -.172	.650	MS9893-24	1.625	.987-1.047	1.065
MS9893-11	.812	.174 -.234	.679	MS9893-25	1.688	1.050-1.110	1.092
MS9893-12	.875	.237 -.297	.710	MS9893-26	1.750	1.112-1.172	1.123
MS9893-13	.938	.300 -.360	.739	MS9893-27	1.812	1.174-1.234	1.155
MS9893-14	1.000	.362 -.422	.768	MS9893-28	1.875	1.237-1.297	1.184
MS9893-15	1.062	.424 -.484	.799	MS9893-29	1.938	1.300-1.360	1.214
				MS9893-30	2.000	1.362-1.422	1.242

1. SHANK SHALL BE STRAIGHT WITHIN .003 PER INCH OF SCREW LENGTH.
2. THE CONCENTRICITY OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .006 FIR.
3. THE CONCENTRICITY OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND DOUBLE HEXAGON OD SHALL BE WITHIN .005 FIR.
4. INCOMPLETE THREADS NOT TO ENTER FILLET.
5. MATERIAL: CORROSION RESISTANT STEEL AMS 5616.
6. MANUFACTURING SPECIFICATION: AMS 7470 EXCEPT HEAD SHALL BE UPSET.
7. HEAD TO SHANK FILLET SHALL BE COLD ROLLED AFTER HEAT TREATMENT TO REMOVE ALL VISUAL EVIDENCE OF GRINDING OR TOOL MARKS.
8. HARDNESS: ROCKWELL C32-38.
9. SURFACE TEXTURE: USAS B46.1-1962. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES EXCEPT UPSET HEAD.
10. MAGNETIC PARTICLE INSPECTION PER AMS 2640.
11. BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
12. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS  $\pm .010$ , ANGULAR DIMENSIONS  $\pm 5^\circ$ .
13. 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 PROPULSION DIVISION.

P.A. USAF - 11

### Other Cases

Navy - AS

TOERLE

SCREW, MACHINE-DOUBLE HEXAGON EXTENDED WASHER HEAD,  
DRILLED, AMS 5616, .164-36 UNJF-3A

## MILITARY STANDARD

MS9893

## PROCUREMENT SPECIFICATION

**SUPERCEDES:**

SHEET OF

1

DD FORM 672-1 (limited coordination)  
ASG use only

\*REVIEWED UNDER VARIATION OF THE OPEN AND CLOSED STATE

5305 - 7008

**APPROVED**      **21 Apr 69**      **REVISED**

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.