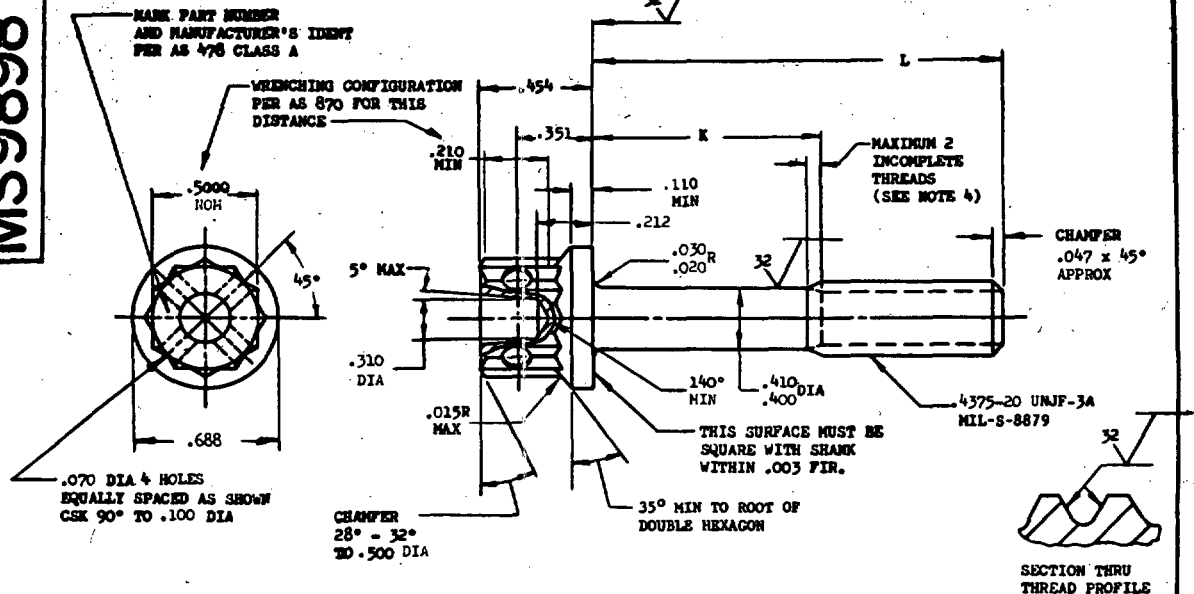


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MS9898**FED. SUP CLASS**
5306

PART NO.	L	K	APPROX WEIGHT LB/100
MS9898-04	.688	.105-.125	5.54
MS9898-05	.750	.105-.125	5.76
MS9898-06	.812	.105-.125	5.99
MS9898-07	.875	.105-.125	6.22
MS9898-08	.938	.105-.125	6.45
MS9898-09	1.000	.105-.125	6.68
MS9898-10	1.062	.105-.125	6.91
MS9898-11	1.125	.105-.125	7.14
MS9898-12	1.188	.105-.125	7.37
MS9898-13	1.250	.105-.125	7.60
MS9898-14	1.312	.128-.188	7.83
MS9898-15	1.375	.190-.250	8.06
MS9898-16	1.438	.252-.312	8.29
MS9898-17	1.500	.315-.375	8.52
MS9898-18	1.562	.378-.438	8.75
MS9898-19	1.625	.440-.500	8.98
MS9898-20	1.688	.502-.562	9.21
MS9898-21	1.750	.565-.625	9.44
MS9898-22	1.812	.627-.687	9.67
MS9898-23	1.875	.690-.750	9.90

PART NO.	L	K	APPROX WEIGHT LB/100
MS9898-24	1.938	.752-.812	10.13
MS9898-25	2.000	.815-.875	10.36
MS9898-26	2.125	.940-1.000	10.82
MS9898-27	2.250	1.065-1.125	11.28
MS9898-28	2.375	1.190-1.250	11.74
MS9898-29	2.500	1.315-1.375	12.20
MS9898-30	2.625	1.440-1.500	12.66
MS9898-31	2.750	1.565-1.625	13.12
MS9898-32	2.875	1.690-1.750	13.58
MS9898-33	3.000	1.815-1.875	14.04
MS9898-34	3.125	1.940-2.000	14.50
MS9898-35	3.250	2.065-2.125	14.96
MS9898-36	3.375	2.190-2.250	15.42
MS9898-37	3.500	2.315-2.375	15.88
MS9898-38	3.625	2.440-2.500	16.34
MS9898-39	3.750	2.565-2.625	16.80
MS9898-40	3.875	2.690-2.750	17.26
MS9898-41	4.000	2.815-2.875	17.72
MS9898-42	4.125	2.940-3.000	18.18
MS9898-43	4.250	3.065-3.125	18.64

PART NO.	L	K	APPROX WEIGHT LB/100
MS9898-44	4.375	3.190-3.250	19.10
MS9898-45	4.500	3.315-3.375	19.56
MS9898-46	4.625	3.440-3.500	20.02
MS9898-47	4.750	3.565-3.625	20.47
MS9898-48	4.875	3.690-3.750	20.94
MS9898-49	5.000	3.815-3.875	21.39
MS9898-50	5.125	3.940-4.000	21.85
MS9898-51	5.250	4.065-4.125	22.30
MS9898-52	5.375	4.190-4.250	22.75
MS9898-53	5.500	4.315-4.375	23.19
MS9898-54	5.625	4.440-4.500	23.63
MS9898-55	5.750	4.565-4.625	24.08
MS9898-56	5.875	4.690-4.750	24.52
MS9898-57	6.000	4.815-4.875	24.97

- SHANK SHALL BE STRAIGHT WITHIN .0025 PER INCH OF BOLT LENGTH.
- THE CONCENTRICITY OF THREAD PD IN RELATION TO THE SHANK SHALL BE WITHIN .006 FIR.
- THE CONCENTRICITY OF THE SHANK IN RELATION TO THE WASHER FACE DIAMETER AND DOUBLE HEXAGON OD SHALL BE WITHIN .010 FIR.
- INCOMPLETE THREADS NOT TO ENTER FILLET.
- MATERIAL: CORROSION RESISTANT STEEL AMS 5616.
- MANUFACTURING SPECIFICATION: AMS 7470. EXCEPT HEAD SHALL BE UPSET.
- HEAD TO SHANK FILLET SHALL BE COLD ROLLED AFTER HEAT TREATMENT TO REMOVE ALL VISUAL EVIDENCE OF GRINDING OR TOOL MARKS.
- HARDNESS: ROCKWELL C32-38.
- SURFACE TEXTURE: USAS B46.1-1962. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES EXCEPT UPSET HEAD.
- MAGNETIC PARTICLE INSPECTION PER AMS 2640.
- 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 PROPULSION DIVISION.

P.A. USAP - 11	TITLE	MILITARY STANDARD
Other Cost	BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, AMS 5616, .4375-20 UNJF-3A	MS9898
Navy - AS		
PROCUREMENT SPECIFICATION	SUPERSEDES:	SHEET 1 OF 1