

FED. SUP CLASS
4730

MS9901

CHAMFER U
x 45° APPROX

DRILL POINT PERMISSIBLE
.057 DEPTH MAX

MARK PART NUMBER AND
MANUFACTURER'S IDENTIFICATION,
PER AS 476, CLASS A

CHAMFER 15° TO
V DIA BOTH SIDES

THIS SURFACE SHALL BE
SQUARE WITH PD OF
THREAD B WITHIN S
FIR.

VIEW AB
ENLARGED

PART NO.	THREAD B	E	H +.002 -.003	J MIN	K	L	M	P	Q	S	T +.015 -.000	U	V	W	APPROX WEIGHT LB / 100
MS9901-01	.250 -28 UNJF-3A	.480	.196	.482	.070	.430-.439	.320	-	-	.003	.063	.020-.050	.438	.250	.980
MS9901-02	.3125-24 UNJF-3A	.550	.250	.622	.100	.553-.564	.360	-	-	.003	.063	.020-.050	.562	.312	1.856
MS9901-03	.375 -24 UNJF-3A	.550	.312	.694	.100	.616-.627	.360	-	-	.003	.063	.020-.050	.625	.375	2.403
MS9901-04	.4375-20 UNJF-3A	.620	.364	.766	.110	.679-.690	.400	-	-	.003	.075	.030-.060	.688	.438	3.444
MS9901-05	.500 -20 UNJF-3A	.620	.426	.837	.100	.741-.752	.400	.219	.340	.003	.075	.030-.060	.750	.500	3.944
MS9901-06	.5625-18 UNJF-3A	.650	.481	.907	.120	.803-.814	.400	.219	.340	.003	.083	.040-.070	.812	.562	5.113
MS9901-07	.625 -18 UNJF-3A	.690	.544	.978	.120	.865-.877	.440	.312	.380	.003	.083	.040-.070	.875	.625	6.010
MS9901-08	.750 -16 UNJF-3A	.690	.660	1.121	.120	.990-1.002	.440	.438	.400	.003	.094	.040-.070	1.000	.750	7.594
MS9901-09	.8125-16 UNJ-3A	.690	.722	1.191	.110	1.052-1.064	.440	.500	.400	.003	.094	.040-.070	1.062	.812	8.677
MS9901-10	.875 -14 UNJF-3A	.740	.773	1.263	.160	1.115-1.127	.440	.548	.400	.003	.107	.050-.080	1.125	.875	10.205
MS9901-11	1.000 -12 UNJF-3A	.750	.882	1.475	.160	1.301-1.314	.440	.657	.400	.005	.125	.050-.080	1.312	1.000	14.333
MS9901-12	1.0625-12 UNJ-3A	.790	.945	1.475	.160	1.301-1.314	.480	.719	.400	.005	.125	.050-.080	1.312	1.000	15.189
MS9901-14	1.1875-12 UNJ-3A	.790	1.070	1.619	.160	1.427-1.440	.480	.844	.400	.005	.125	.050-.080	1.438	1.125	17.773
MS9901-16	1.3125-12 UNJ-3A	.840	1.195	1.833	.200	1.614-1.627	.480	.969	.400	.005	.125	.050-.080	1.625	1.312	23.520
MS9901-18	1.500 -12 UNJF-3A	.840	1.382	1.974	.200	1.738-1.752	.480	1.156	.400	.005	.125	.050-.080	1.750	1.438	27.472
MS9901-20	1.625 -12 UNJ-3A	.840	1.507	2.117	.190	1.863-1.877	.480	1.281	.400	.005	.125	.050-.080	1.875	1.562	31.607
MS9901-24	1.875 -12 UNJ-3A	.840	1.756	2.402	.180	2.113-2.127	.480	1.531	.400	.005	.125	.050-.080	2.125	1.812	40.290
MS9901-28	2.250 -12 UNJ-3A	.870	2.131	2.830	.200	2.488-2.502	.480	1.906	.400	.005	.125	.050-.080	2.500	2.188	56.558
MS9901-32	2.500 -12 UNJ-3A	.870	2.381	3.115	.200	2.738-2.752	.480	2.156	.400	.005	.125	.050-.080	2.750	2.438	67.242

- HEXAGON AND DIAMETER V SHALL BE CONCENTRIC WITH THREAD PD WITHIN .010 FIR.
- DIAMETER H SHALL BE CONCENTRIC WITH THREAD PD WITHIN .005 FIR AND FREE FROM THREAD TOOL MARKS.
- MATERIAL: CORROSION AND HEAT RESISTANT STEEL AMS 5646.
- SURFACE TEXTURE: USAS B46.1 - 1962, UNLESS OTHERWISE SPECIFIED SURFACES TO BE 125 MICROINCHES.
- FLUORESCENT PENETRANT INSPECTION PER AMS 2645.
- 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 DIVISION.

P.A. USAF-II	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD MS9901
Other Cust NAVY-AS	ASCC AIR STD 17/15	PLUG, MACHINE THREAD - AMS 5646, PREFORMED PACKING, MIL-S-8879 THREAD	
PROCUREMENT SPECIFICATION NONE		SUPERSEDES:	SHEET 1 OF 1

DD FORM 1 SEP 67 672-1 (Limited coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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Review activities: USAF-82

This standard has been approved by the Department of the USAF (AFSC) and Department of the Navy and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

APPROVED 11 MAR 70 REVISED