

**MS9830**

FED. SUP CLASS  
5307

OVERSIZE IDENTIFICATION	STANDARD					STANDARD
	①	③	⑥	③	⑫	
MAJOR DIAMETER	.433-.438	.433-.438	.433-.438	.442-.447	.442-.447	APPROX WEIGHT LBS/100
PD BEFORE PLATING	.3957-.3967	.3987-.3997	.4017-.4027	.4047-.4057	.4077-.4087	
PD AFTER PLATING	.3962-.3977	.3992-.4007	.4022-.4037	.4052-.4067	.4082-.4097	
PD LEAD THREAD	.3891-.3911	.3921-.3941	.3951-.3971	.3981-.4001	.4011-.4031	
MINOR DIA	.3558-.3616	.3588-.3646	.3618-.3676	.3648-.3706	.3678-.3736	
L	A	B	PART NUMBER	PART NUMBER	PART NUMBER	
1.562	.688	.562	MS9830-011	MS9830-012	MS9830-013	4.92
1.625	.750	.625	MS9830-016	MS9830-017	MS9830-018	5.09
1.688	.812	.688	MS9830-021	MS9830-022	MS9830-023	5.26
1.750	.875	.688	MS9830-026	MS9830-027	MS9830-028	5.43
1.812	.938	.688	MS9830-031	MS9830-032	MS9830-033	5.60
1.875	1.000	.688	MS9830-036	MS9830-037	MS9830-038	5.77
1.938	1.062	.688	MS9830-041	MS9830-042	MS9830-043	5.94
1.969	1.093	.812	MS9830-046	MS9830-047	MS9830-048	6.02
2.000	1.125	.688	MS9830-051	MS9830-052	MS9830-053	6.10
2.062	1.188	.812	MS9830-056	MS9830-057	MS9830-058	6.27
2.125	1.250	.688	MS9830-061	MS9830-062	MS9830-063	6.44
2.188	1.312	.688	MS9830-066	MS9830-067	MS9830-068	6.61
2.250	1.375	.688	MS9830-071	MS9830-072	MS9830-073	6.78
2.312	1.438	.688	MS9830-076	MS9830-077	MS9830-078	6.95
2.375	1.500	.688	MS9830-081	MS9830-082	MS9830-083	7.11
2.438	1.562	.688	MS9830-086	MS9830-087	MS9830-088	7.28
2.500	1.625	.688	MS9830-091	MS9830-092	MS9830-093	7.45
2.562	1.688	.688	MS9830-096	MS9830-097	MS9830-098	7.62
2.625	1.750	.688	MS9830-101	MS9830-102	MS9830-103	7.79
2.750	1.875	.688	MS9830-106	MS9830-107	MS9830-108	8.13
2.875	2.000	.688	MS9830-111	MS9830-112	MS9830-113	8.46
3.000	2.125	.688	MS9830-116	MS9830-117	MS9830-118	8.80
3.125	2.250	.688	MS9830-121	MS9830-122	MS9830-123	9.14
3.250	2.375	.688	MS9830-126	MS9830-127	MS9830-128	9.47
3.375	2.500	.688	MS9830-131	MS9830-132	MS9830-133	9.81
3.500	2.625	.688	MS9830-136	MS9830-137	MS9830-138	10.15
3.625	2.750	.688	MS9830-141	MS9830-142	MS9830-143	10.48
3.750	2.875	.688	MS9830-146	MS9830-147	MS9830-148	10.82
3.875	3.000	.688	MS9830-151	MS9830-152	MS9830-153	11.16
4.000	3.125	.688	MS9830-156	MS9830-157	MS9830-158	11.50
4.125	3.250	.688	MS9830-161	MS9830-162	MS9830-163	11.83
4.250	3.375	.688	MS9830-166	MS9830-167	MS9830-168	12.17
4.375	3.500	.688	MS9830-171	MS9830-172	MS9830-173	12.51
4.500	3.625	.688	MS9830-176	MS9830-177	MS9830-178	12.84
4.625	3.750	.688	MS9830-181	MS9830-182	MS9830-183	13.18
4.750	3.875	.688	MS9830-186	MS9830-187	MS9830-188	13.52
4.875	4.000	.688	MS9830-191	MS9830-192	MS9830-193	13.85
5.000	4.125	.688	MS9830-196	MS9830-197	MS9830-198	14.19

1. MATERIAL: STEEL, AMS 6320, AMS 6322 OR AMS 6327

2. HARDNESS: ROCKWELL C26-32.

3. FINISH: CADMIUM PLATE AMS 2400. DIMENSIONS ARE AFTER PLATING EXCEPT WHERE SHOWN.

4. SURFACE TEXTURE: ANSI B46.1-1962. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES.

5. DIMENSIONING AND TOLERANCING: ANSI Y14.5-1966.

6. MANUFACTURING SPECIFICATION: AMS 7456 EXCEPT THREAD FORM.

7. MAGNETIC PARTICLE INSPECTION PER AMS 2640 AFTER PLATING.

8. BREAK SHARP EDGES .003 - .015 UNLESS OTHERWISE SPECIFIED.

9. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ±.010.

10. MARK PART NUMBER AND MANUFACTURERS IDENTIFICATION ON CONTAINER.

11. 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. Air Force - II	TITLE	<b>MILITARY STANDARD</b>
Other Cost Navy - AS	STUD-STEPPED, 2 DIA ENGAGEMENT, STEEL .4375-14 UNJS x .375-24 UNJF	<b>MS9830</b>
PROCUREMENT SPECIFICATION AMS 7456	SUPERSEDES:	SHEET 1 OF 1

DD FORM 672-1 (Limited coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 27 Aug 71 REVISED

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 Review activities:  
Air Force-82

This standard has been approved by the Dept. of the Air Force and the Department of the Navy, and is mandatory for use by all activities. All other military activities are required to employ this standard where applicable.