

MS 9830

FED. SUP CLASS
5307

OVERSIZE IDENTIFICATION			STANDARD	+ .003	+ .006	+ .009	+ .012	STANDARD	APPROX WEIGHT LBS/100
			①	③	⑥	③	⑫		
MAJOR DIAMETER	.433-.438	.433-.438	.433-.438	.442-.447	.442-.447				
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	PART NUMBER	PART NUMBER		
1.562	.688	.562	MS9830-011	MS9830-012	MS9830-013	MS9830-014	MS9830-015		4.92
1.625	.750	.625	MS9830-016	MS9830-017	MS9830-018	MS9830-019	MS9830-020		5.09
1.688	.812	.688	MS9830-021	MS9830-022	MS9830-023	MS9830-024	MS9830-025		5.26
1.750	.875	.688	MS9830-026	MS9830-027	MS9830-028	MS9830-029	MS9830-030		5.43
1.812	.938	.688	MS9830-031	MS9830-032	MS9830-033	MS9830-034	MS9830-035		5.60
1.875	1.000	.688	MS9830-036	MS9830-037	MS9830-038	MS9830-039	MS9830-040		5.77
1.938	1.062	.688	MS9830-041	MS9830-042	MS9830-043	MS9830-044	MS9830-045		5.94
1.969	1.093	.812	MS9830-046	MS9830-047	MS9830-048	MS9830-049	MS9830-050		6.02
2.000	1.125	.688	MS9830-051	MS9830-052	MS9830-053	MS9830-054	MS9830-055		6.10
2.062	1.188	.812	MS9830-056	MS9830-057	MS9830-058	MS9830-059	MS9830-060		6.27
2.125	1.250	.688	MS9830-061	MS9830-062	MS9830-063	MS9830-064	MS9830-065		6.44
2.188	1.312	.688	MS9830-066	MS9830-067	MS9830-068	MS9830-069	MS9830-070		6.61
2.250	1.375	.688	MS9830-071	MS9830-072	MS9830-073	MS9830-074	MS9830-075		6.78
2.312	1.438	.688	MS9830-076	MS9830-077	MS9830-078	MS9830-079	MS9830-080		6.95
2.375	1.500	.688	MS9830-081	MS9830-082	MS9830-083	MS9830-084	MS9830-085		7.11
2.438	1.562	.688	MS9830-086	MS9830-087	MS9830-088	MS9830-089	MS9830-090		7.28
2.500	1.625	.688	MS9830-091	MS9830-092	MS9830-093	MS9830-094	MS9830-095		7.45
2.562	1.688	.688	MS9830-096	MS9830-097	MS9830-098	MS9830-099	MS9830-100		7.62
2.625	1.750	.688	MS9830-101	MS9830-102	MS9830-103	MS9830-104	MS9830-105		7.79
2.750	1.875	.688	MS9830-106	MS9830-107	MS9830-108	MS9830-109	MS9830-110		8.13
2.875	2.000	.688	MS9830-111	MS9830-112	MS9830-113	MS9830-114	MS9830-115		8.46
3.000	2.125	.688	MS9830-116	MS9830-117	MS9830-118	MS9830-119	MS9830-120		8.80
3.125	2.250	.688	MS9830-121	MS9830-122	MS9830-123	MS9830-124	MS9830-125		9.14
3.250	2.375	.688	MS9830-126	MS9830-127	MS9830-128	MS9830-129	MS9830-130		9.47
3.375	2.500	.688	MS9830-131	MS9830-132	MS9830-133	MS9830-134	MS9830-135		9.81
3.500	2.625	.688	MS9830-136	MS9830-137	MS9830-138	MS9830-139	MS9830-140		10.15
3.625	2.750	.688	MS9830-141	MS9830-142	MS9830-143	MS9830-144	MS9830-145		10.48
3.750	2.875	.688	MS9830-146	MS9830-147	MS9830-148	MS9830-149	MS9830-150		10.82
3.875	3.000	.688	MS9830-151	MS9830-152	MS9830-153	MS9830-154	MS9830-155		11.16
4.000	3.125	.688	MS9830-156	MS9830-157	MS9830-158	MS9830-159	MS9830-160		11.50
4.125	3.250	.688	MS9830-161	MS9830-162	MS9830-163	MS9830-164	MS9830-165		11.83
4.250	3.375	.688	MS9830-166	MS9830-167	MS9830-168	MS9830-169	MS9830-170		12.17
4.375	3.500	.688	MS9830-171	MS9830-172	MS9830-173	MS9830-174	MS9830-175		12.51
4.500	3.625	.688	MS9830-176	MS9830-177	MS9830-178	MS9830-179	MS9830-180		12.84
4.625	3.750	.688	MS9830-181	MS9830-182	MS9830-183	MS9830-184	MS9830-185		13.18
4.750	3.875	.688	MS9830-186	MS9830-187	MS9830-188	MS9830-189	MS9830-190		13.52
4.875	4.000	.688	MS9830-191	MS9830-192	MS9830-193	MS9830-194	MS9830-195		13.85
5.000	4.125	.688	MS9830-196	MS9830-197	MS9830-198	MS9830-199	MS9830-200		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	MILITARY STANDARD
Other Cost Navy - AS	STUD-STEPPED, 2 DIA ENGAGEMENT, STEEL .4375-14 UNJS x .375-24 UNJF	MS9830
PROCUREMENT SPECIFICATION AMS 7456	SUPERSEDES:	SHEET 1 OF 1

DD FORM 672-1 (Limited coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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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 their activity. All other military activities are required to employ this standard where suitable.

APPROVED 27 Aug 71 REVISED