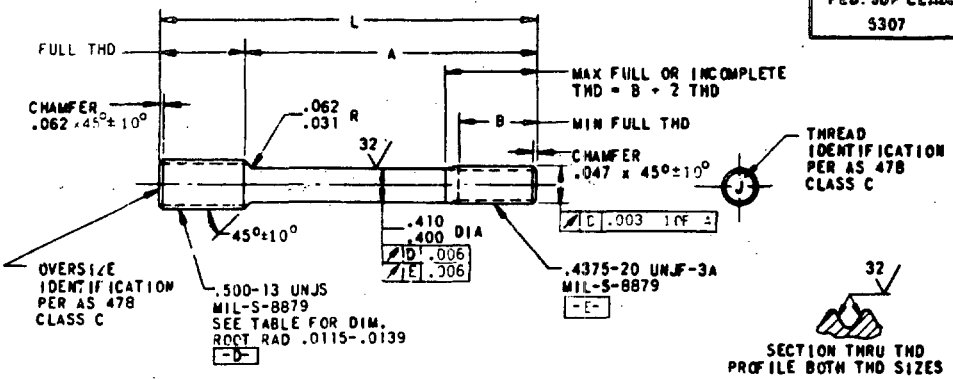
Downloaded from http://www.everyspec.com

MS9831

FED. SUP CLASS
5307



OVERSIZE IDENTIFICATION			STANDARD	+.003	+.006	+.009	+.012	STANDARD
				3	6	9	12	
MAJOR DIAMETER			.495-.500	.495-.500	.495-.500	.504-.509	.504-.509	APPROX WEIGHT LBS/100
PD BEFORE PLATING			.4548-.4558	.4578-.4588	.4608-.4618	.4638-.4648	.4668-.4678	
PD AFTER PLATING			.4553-.4568	.4583-.4598	.4613-.4628	.4643-.4658	.4673-.4688	
PD LEAD THREAD			.4480-.4500	.4510-.4530	.4540-.4560	.4570-.4590	.4600-.4620	
MINOR DIA			.4118-.4179	.4148-.4209	.4178-.4239	.4208-.4269	.4238-.4299	
L	A	B	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	
1.750	.750	.625	MS9831-011	MS9831-012	MS9831-013	MS9831-014	MS9831-015	7.37
1.812	.812	.688	MS9831-016	MS9831-017	MS9831-018	MS9831-019	MS9831-020	7.59
1.875	.875	.750	MS9831-021	MS9831-022	MS9831-023	MS9831-024	MS9831-025	7.82
1.938	.938	.750	MS9831-026	MS9831-027	MS9831-028	MS9831-029	MS9831-030	8.05
2.000	1.000	.750	MS9831-031	MS9831-032	MS9831-033	MS9831-034	MS9831-035	8.28
2.062	1.062	.750	MS9831-036	MS9831-037	MS9831-038	MS9831-039	MS9831-040	8.51
2.125	1.125	.750	MS9831-041	MS9831-042	MS9831-043	MS9831-044	MS9831-045	8.74
2.188	1.188	.812	MS9831-046	MS9831-047	MS9831-048	MS9831-049	MS9831-050	8.97
2.250	1.250	.750	MS9831-051	MS9831-052	MS9831-053	MS9831-054	MS9831-055	9.19
2.312	1.312	.750	MS9831-056	MS9831-057	MS9831-058	MS9831-059	MS9831-060	9.42
2.375	1.375	.750	MS9831-061	MS9831-062	MS9831-063	MS9831-064	MS9831-065	9.65
2.438	1.438	.750	MS9831-066	MS9831-067	MS9831-068	MS9831-069	MS9831-070	9.88
2.500	1.500	.750	MS9831-071	MS9831-072	MS9831-073	MS9831-074	MS9831-075	10.11
2.562	1.562	.750	MS9831-076	MS9831-077	MS9831-078	MS9831-079	MS9831-080	10.33
2.625	1.625	.750	MS9831-081	MS9831-082	MS9831-083	MS9831-084	MS9831-085	10.56
2.688	1.688	.750	MS9831-086	MS9831-087	MS9831-088	MS9831-089	MS9831-090	10.79
2.750	1.750	.750	MS9831-091	MS9831-092	MS9831-093	MS9831-094	MS9831-095	11.02
2.875	1.875	.750	MS9831-096	MS9831-097	MS9831-098	MS9831-099	MS9831-100	11.47
3.000	2.000	.750	MS9831-101	MS9831-102	MS9831-103	MS9831-104	MS9831-105	11.93
3.125	2.125	.750	MS9831-106	MS9831-107	MS9831-108	MS9831-109	MS9831-110	12.39
3.250	2.250	.750	MS9831-111	MS9831-112	MS9831-113	MS9831-114	MS9831-115	12.84
3.375	2.375	.750	MS9831-116	MS9831-117	MS9831-118	MS9831-119	MS9831-120	13.30
3.500	2.500	.750	MS9831-121	MS9831-122	MS9831-123	MS9831-124	MS9831-125	13.76
3.625	2.625	.750	MS9831-126	MS9831-127	MS9831-128	MS9831-129	MS9831-130	14.21
3.750	2.750	.750	MS9831-131	MS9831-132	MS9831-133	MS9831-134	MS9831-135	14.67
3.875	2.875	.750	MS9831-136	MS9831-137	MS9831-138	MS9831-139	MS9831-140	15.13
4.000	3.000	.750	MS9831-141	MS9831-142	MS9831-143	MS9831-144	MS9831-145	15.58
4.125	3.125	.750	MS9831-146	MS9831-147	MS9831-148	MS9831-149	MS9831-150	16.04
4.250	3.250	.750	MS9831-151	MS9831-152	MS9831-153	MS9831-154	MS9831-155	16.49
4.375	3.375	.750	MS9831-156	MS9831-157	MS9831-158	MS9831-159	MS9831-160	16.95
4.500	3.500	.750	MS9831-161	MS9831-162	MS9831-163	MS9831-164	MS9831-165	17.41
4.625	3.625	.750	MS9831-166	MS9831-167	MS9831-168	MS9831-169	MS9831-170	17.94
4.750	3.750	.750	MS9831-171	MS9831-172	MS9831-173	MS9831-174	MS9831-175	18.32
4.875	3.875	.750	MS9831-176	MS9831-177	MS9831-178	MS9831-179	MS9831-180	18.78
5.000	4.000	.750	MS9831-181	MS9831-182	MS9831-183	MS9831-184	MS9831-185	19.23
5.125	4.125	.750	MS9831-186	MS9831-187	MS9831-188	MS9831-189	MS9831-190	19.69
5.250	4.250	.750	MS9831-191	MS9831-192	MS9831-193	MS9831-194	MS9831-195	20.15
5.375	4.375	.750	MS9831-196	MS9831-197	MS9831-198	MS9831-199	MS9831-200	20.60
5.500	4.500	.750	MS9831-201	MS9831-202	MS9831-203	MS9831-204	MS9831-205	21.06

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.

AS & AMS ARE SOCIETY OF AUTOMOTIVE ENGINEERS, INC. PUBLICATIONS.
THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE MILITARY SERVICES BY THE SAE AEROSPACE PART STANDARDS DIV.

APPROVED 27 Aug 71 REVISED

P.A. Air Force - 11 Other Cust Navy - AS	TITLE STUD-STEPPED, 2" DIA ENGAGEMENT, STEEL .500-13 UNJS x .4375-20 UNJF	MILITARY STANDARD MS9831
PROCUREMENT SPECIFICATION AMS 7456	SUPERSEDES:	SHEET 1 OF 1

DD FORM 1 OCT 61 672-1 (Limited coordination) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

☆ U. S. GOVERNMENT PRINTING OFFICE: 1971-714-160/3607

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

Review activities: Air Force - 82