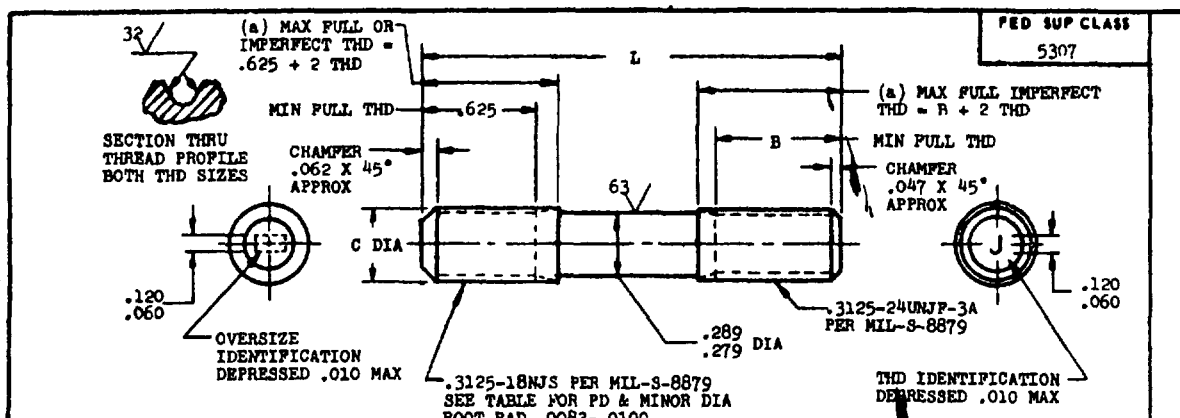


NOTE: When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility, nor any obligation whatever; and it is noted that the Government may have furnished, furnished, or may be applying the said drawings, specifications, or other data to be regulated by regulations or otherwise as to any manner limiting the holder or any other person in connection with or carrying out any right of patent or to manufacture, use, or sell any patented invention that may in any way be related thereto.



OVERSIZE IDENTIFICATION	STANDARD				
	3	6	9	12	15
C	.307 -.312	.307 -.312	.307 -.312	.316 -.321	.316 -.321
PD BEFORE PLATING	.2805-.2815	.2835-.2845	.2865-.2875	.2895-.2905	.2925-.2935
PD AFTER PLATING	.2810-.2825	.2840-.2855	.2870-.2885	.2900-.2915	.2930-.2945
PD LEAD THREAD	.2744-.2764	.2774-.2794	.2804-.2824	.2834-.2854	.2864-.2884
MINOR DIA	.2496-.2544	.2526-.2574	.2556-.2604	.2586-.2634	.2616-.2664
L	B	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
1.250	.500	MS17301-011	MS17301-012	MS17301-013	MS17301-014
1.312	.500	MS17301-016	MS17301-017	MS17301-018	MS17301-019
1.375	.562	MS17301-021	MS17301-022	MS17301-023	MS17301-024
1.438	.500	MS17301-026	MS17301-027	MS17301-028	MS17301-029
1.500	.500	MS17301-031	MS17301-032	MS17301-033	MS17301-034
1.562	.719	MS17301-036	MS17301-037	MS17301-038	MS17301-039
1.625	.719	MS17301-041	MS17301-042	MS17301-043	MS17301-044
1.688	.562	MS17301-046	MS17301-047	MS17301-048	MS17301-049
1.750	.625	MS17301-051	MS17301-052	MS17301-053	MS17301-054
1.812	.625	MS17301-056	MS17301-057	MS17301-058	MS17301-059
1.875	.719	MS17301-061	MS17301-062	MS17301-063	MS17301-064
1.938	.625	MS17301-066	MS17301-067	MS17301-068	MS17301-069
2.000	.812	MS17301-071	MS17301-072	MS17301-073	MS17301-074
2.062	.625	MS17301-076	MS17301-077	MS17301-078	MS17301-079
2.125	.625	MS17301-081	MS17301-082	MS17301-083	MS17301-084
2.188	.625	MS17301-086	MS17301-087	MS17301-088	MS17301-089
2.250	.625	MS17301-091	MS17301-092	MS17301-093	MS17301-094
2.312	.625	MS17301-096	MS17301-097	MS17301-098	MS17301-099
2.375	.625	MS17301-101	MS17301-102	MS17301-103	MS17301-104
2.438	.625	MS17301-106	MS17301-107	MS17301-108	MS17301-109
2.500	.625	MS17301-111	MS17301-112	MS17301-113	MS17301-114
2.562	.625	MS17301-116	MS17301-117	MS17301-118	MS17301-119
2.625	.625	MS17301-121	MS17301-122	MS17301-123	MS17301-124
2.688	.625	MS17301-126	MS17301-127	MS17301-128	MS17301-129
2.750	.625	MS17301-131	MS17301-132	MS17301-133	MS17301-134
2.812	.625	MS17301-136	MS17301-137	MS17301-138	MS17301-139
2.875	.625	MS17301-141	MS17301-142	MS17301-143	MS17301-144
2.938	.625	MS17301-146	MS17301-147	MS17301-148	MS17301-149
3.000	.625	MS17301-151	MS17301-152	MS17301-153	MS17301-154
3.062	.625	MS17301-156	MS17301-157	MS17301-158	MS17301-159
3.125	.625	MS17301-161	MS17301-162	MS17301-163	MS17301-164
3.188	.625	MS17301-166	MS17301-167	MS17301-168	MS17301-169
3.250	.625	MS17301-171	MS17301-172	MS17301-173	MS17301-174
3.312	.625	MS17301-176	MS17301-177	MS17301-178	MS17301-179
3.375	.625	MS17301-181	MS17301-182	MS17301-183	MS17301-184
3.438	.625	MS17301-186	MS17301-187	MS17301-188	MS17301-189
3.500	.625	MS17301-191	MS17301-192	MS17301-193	MS17301-194
3.562	.625	MS17301-196	MS17301-197	MS17301-198	MS17301-199
3.625	.625	MS17301-201	MS17301-202	MS17301-203	MS17301-204
3.688	.625	MS17301-206	MS17301-207	MS17301-208	MS17301-209
3.750	.625	MS17301-211	MS17301-212	MS17301-213	MS17301-214
3.812	.625	MS17301-216	MS17301-217	MS17301-218	MS17301-219
3.875	.625	MS17301-221	MS17301-222	MS17301-223	MS17301-224
3.938	.625	MS17301-226	MS17301-227	MS17301-228	MS17301-229
4.000	.625	MS17301-231	MS17301-232	MS17301-233	MS17301-234

(a) CROSS THREADING PERMISSIBLE AT THREAD RUNOUTS ON SHORT STUDS.

NOTE: PITCH DIAMETERS OF BOTH THREADED ENDS SHALL BE CONCENTRIC WITHIN .006 FIR.

MATERIAL: STEEL AMS 6322.
HARDNESS: ROCKWELL C26-32
FINISH: CADMIUM PLATE AMS 2400. DIMENSIONS ARE AFTER PLATING EXCEPT WHERE SHOWN.
SURFACE ROUGHNESS: MIL-STD-10. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES.
MANUFACTURING SPECIFICATION: AMS 7456 EXCEPT THREADS AS NOTED ABOVE.
PARTS SUBJECT TO MAGNETIC PARTICLE INSPECTION PER AMS 2640
BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED: TOLERANCES, LINEAR DIMENSIONS ±.010.

DO NOT USE UNASSIGNED PART NUMBERS.

P.A. WEP	TITLE	MILITARY STANDARD
Other Case NONE	STUD-STRAIGHT, .3125-18 X .3125-24 (MIL-S-8879 THREAD)	MS17301 (WEP)
PROCUREMENT SPECIFICATION NONE	SUPERSEDES	SHEET 1 OF 1

APPROVED 7 September 1961 REVISED

This standard has been approved by the BUREAU OF NAVAL WEAPONS Department of the NAVY and is mandatory for use by all military activities unless otherwise specified in this activity, this standard where suitable.