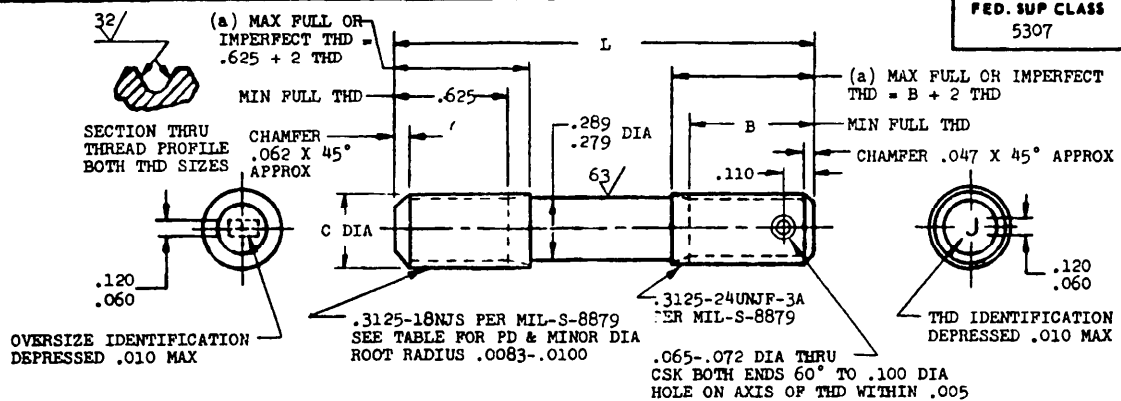


NOTES: When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement contract, the United States Government hereby incurs no responsibility, nor any obligation whatsoever; and the fact that the Government may have furnished, loaned, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person to reproduce, to copy, to convey any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

This standard has been approved by the BUREAU OF NAVAL WEAPONS and is mandatory for use by the Department of the Navy. All other military activities are required to comply with this standard where applicable.



FED. SUP CLASS
5307

OVERSIZE IDENTIFICATION	STANDARD	+ .003	+ .006	+ .009	+ .012
	(C)	(3)	(6)	(9)	(12)
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	MS17303-011	MS17303-012	MS17303-013	MS17303-015
1.312	.500	MS17303-016	MS17303-017	MS17303-018	MS17303-019
1.375	.562	MS17303-021	MS17303-022	MS17303-023	MS17303-024
1.438	.500	MS17303-026	MS17303-027	MS17303-028	MS17303-029
1.500	.500	MS17303-031	MS17303-032	MS17303-033	MS17303-034
1.562	.562	MS17303-036	MS17303-037	MS17303-038	MS17303-039
1.625	.625	MS17303-041	MS17303-042	MS17303-043	MS17303-044
1.688	.625	MS17303-046	MS17303-047	MS17303-048	MS17303-049
1.750	.625	MS17303-051	MS17303-052	MS17303-053	MS17303-054
1.812	.625	MS17303-056	MS17303-057	MS17303-058	MS17303-059
1.875	.625	MS17303-061	MS17303-062	MS17303-063	MS17303-064
1.938	.625	MS17303-066	MS17303-067	MS17303-068	MS17303-069
2.000	.625	MS17303-071	MS17303-072	MS17303-073	MS17303-074
2.062	.625	MS17303-076	MS17303-077	MS17303-078	MS17303-079
2.125	.625	MS17303-081	MS17303-082	MS17303-083	MS17303-084
2.188	.625	MS17303-086	MS17303-087	MS17303-088	MS17303-089
2.250	.625	MS17303-091	MS17303-092	MS17303-093	MS17303-094
2.312	.625	MS17303-096	MS17303-097	MS17303-098	MS17303-099
2.375	.625	MS17303-101	MS17303-102	MS17303-103	MS17303-104
2.500	.625	MS17303-106	MS17303-107	MS17303-108	MS17303-109
2.625	.625	MS17303-111	MS17303-112	MS17303-113	MS17303-114
2.750	.625	MS17303-116	MS17303-117	MS17303-118	MS17303-119
2.875	.625	MS17303-121	MS17303-122	MS17303-123	MS17303-124
3.000	.625	MS17303-126	MS17303-127	MS17303-128	MS17303-129
3.125	.625	MS17303-131	MS17303-132	MS17303-133	MS17303-134
3.250	.625	MS17303-136	MS17303-137	MS17303-138	MS17303-139
3.375	.625	MS17303-141	MS17303-142	MS17303-143	MS17303-144
3.500	.625	MS17303-146	MS17303-147	MS17303-148	MS17303-149
3.625	.625	MS17303-151	MS17303-152	MS17303-153	MS17303-154
3.750	.625	MS17303-156	MS17303-157	MS17303-158	MS17303-159
3.875	.625	MS17303-161	MS17303-162	MS17303-163	MS17303-164
4.000	.625	MS17303-166	MS17303-167	MS17303-168	MS17303-169

(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 $\pm .010$,
ANGULAR DIMENSIONS $\pm 5^\circ$.

DO NOT USE UNASSIGNED PART NUMBERS.

P.A.	WEP	TITLE	MILITARY STANDARD
Order Cost	NONE	STUD-STRAIGHT, DRILLED, .3125-18 X .3125-24 (MIL-S-8879 THREAD)	MS17303(WEP)
PROCUREMENT SPECIFICATION	SUPERSEDES:	SHEET	1 OF 1
NONE			

DD FORM 672-1 (Limited coordination)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 7 September 1961 REVISED