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

OVERSIZE IDENTIFICATION		STANDARD	+ .003	+ .006	+ .009	+ .012
		①	③	⑥	⑨	⑫
C	PD BEFORE PLATING	.245 -.250	.245 -.250	.245 -.250	.254 -.259	.254 -.259
	PD AFTER PLATING	.2213-.2223	.2243-.2253	.2273-.2283	.2303-.2313	.2333-.2343
	PD LEAD THREAD	.2218-.2233	.2248-.2263	.2278-.2293	.2308-.2323	.2338-.2353
	MINOR DIA	.2155-.2175	.2185-.2205	.2215-.2235	.2245-.2265	.2275-.2295
		.1935-.1980	.1965-.2010	.1995-.2040	.2025-.2070	.2055-.2100
L	B	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
1.062	.438	MS17302-011	MS17302-012	MS17302-013	MS17302-014	MS17302-015
1.125	.438	MS17302-016	MS17302-017	MS17302-018	MS17302-019	MS17302-020
1.188	.438	MS17302-021	MS17302-022	MS17302-023	MS17302-024	MS17302-025
1.250	.438	MS17302-026	MS17302-027	MS17302-028	MS17302-029	MS17302-030
1.312	.500	MS17302-031	MS17302-032	MS17302-033	MS17302-034	MS17302-035
1.375	.562	MS17302-036	MS17302-037	MS17302-038	MS17302-039	MS17302-040
1.438	.562	MS17302-041	MS17302-042	MS17302-043	MS17302-044	MS17302-045
1.500	.562	MS17302-046	MS17302-047	MS17302-048	MS17302-049	MS17302-050
1.562	.562	MS17302-051	MS17302-052	MS17302-053	MS17302-054	MS17302-055
1.625	.562	MS17302-056	MS17302-057	MS17302-058	MS17302-059	MS17302-060
1.688	.562	MS17302-061	MS17302-062	MS17302-063	MS17302-064	MS17302-065
1.750	.562	MS17302-066	MS17302-067	MS17302-068	MS17302-069	MS17302-070
1.812	.562	MS17302-071	MS17302-072	MS17302-073	MS17302-074	MS17302-075
1.875	.562	MS17302-076	MS17302-077	MS17302-078	MS17302-079	MS17302-080
1.938	.562	MS17302-081	MS17302-082	MS17302-083	MS17302-084	MS17302-085
2.000	.562	MS17302-086	MS17302-087	MS17302-088	MS17302-089	MS17302-090
2.062	.562	MS17302-091	MS17302-092	MS17302-093	MS17302-094	MS17302-095
2.125	.562	MS17302-096	MS17302-097	MS17302-098	MS17302-099	MS17302-100
2.188	.562	MS17302-101	MS17302-102	MS17302-103	MS17302-104	MS17302-105
2.250	.562	MS17302-106	MS17302-107	MS17302-108	MS17302-109	MS17302-110
2.312	.562	MS17302-111	MS17302-112	MS17302-113	MS17302-114	MS17302-115
2.375	.562	MS17302-116	MS17302-117	MS17302-118	MS17302-119	MS17302-120
2.438	.562	MS17302-121	MS17302-122	MS17302-123	MS17302-124	MS17302-125
2.500	.562	MS17302-126	MS17302-127	MS17302-128	MS17302-129	MS17302-130
2.562	.562	MS17302-131	MS17302-132	MS17302-133	MS17302-134	MS17302-135
2.625	.562	MS17302-136	MS17302-137	MS17302-138	MS17302-139	MS17302-140

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

NOTE: PITCH DIAMETERS OF BOTH THREADED ENDS SHALL BE CONCENTRIC WITHIN .005 DIA.

MATERIAL: STEEL AMS 6322
HARDNESS: ROCKWELL C26-32
FINISH: CADMIUM PLATE AMS 2400. DIMENSIONS ARE AFTER PLATING EXCEPT WHERE NOTED.
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, ANGULAR DIMENSIONS $\pm 5^\circ$.
DO NOT USE UNASSIGNED PART NUMBERS.

P.A. WEP	TITLE	MILITARY STANDARD
Other Cust NONE	STUD-STRAIGHT, DRILLED, .250-20 X .250-28 (MIL-S-8879 THREAD)	MS17302(WEP)
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 1 OF 1