

**REV.
B**

SAE AS9307

FEDERAL SUPPLY CLASS
5307

RATIONALE

UPDATE CAMIUM NOTICE AND CORRECT TYPO FOR THE MPI REQUIREMENT IN NOTE 6.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9307B, NOTICE 1. THIS SAE STANDARD RETAINS THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

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THIRD ANGLE PROJECTION



CUSTODIAN: SAE E-25

PROCUREMENT SPECIFICATION: AS7452

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

STUD, SHOULDERED, STEPPED, HEX., WRENCHING,
STEEL UNS G87400, CADMIUM PLATED, 125 KSI MIN,
.2500-28 UNF-3A X .3750-24 UNF-3A

SAE AS9307
SHEET 1 OF 7

**REV.
B**

TABLE 1 – PART NUMBERS AND DIMENSIONS

PART NUMBER	A	B	C	L REF	APPROX. MASS LB/100
MS9307-001	.428 - .448	1/	.740 - .760	1.406	4.16
MS9307-002	.428 - .448	1/	.802 - .822	1.469	4.33
MS9307-003	.428 - .448	1/	.865 - .885	1.531	4.50
MS9307-004	.428 - .448	1/	.928 - .948	1.594	4.67
MS9307-005	.428 - .448	1/	.990 - 1.010	1.656	4.84
MS9307-006	.428 - .448	1/	1.052 - 1.072	1.719	5.01
MS9307-007	.428 - .448	.065 - .125	1.115 - 1.135	1.781	5.18
MS9307-008	.428 - .448	.128 - .188	1.178 - 1.198	1.844	5.35
MS9307-009	.428 - .448	.190 - .250	1.240 - 1.260	1.906	5.52
MS9307-010	.428 - .448	.252 - .312	1.302 - 1.322	1.969	5.69
MS9307-011	.428 - .448	.315 - .375	1.365 - 1.385	2.031	5.86
MS9307-012	.428 - .448	.378 - .438	1.428 - 1.448	2.094	6.03
MS9307-013	.428 - .448	.440 - .500	1.490 - 1.510	2.156	6.20
MS9307-014	.428 - .448	.502 - .562	1.552 - 1.572	2.219	6.37
MS9307-015	.428 - .448	.565 - .625	1.615 - 1.635	2.281	6.54
MS9307-016	.428 - .448	.628 - .688	1.678 - 1.698	2.344	6.71
MS9307-017	.428 - .448	.690 - .750	1.740 - 1.760	2.406	6.88
MS9307-018	.428 - .448	.752 - .812	1.802 - 1.822	2.469	7.05
MS9307-019	.428 - .448	.815 - .875	1.865 - 1.885	2.531	7.22
MS9307-020	.428 - .448	.878 - .938	1.928 - 1.948	2.594	7.39
MS9307-021	.428 - .448	.940 - 1.000	1.990 - 2.010	2.656	7.56
MS9307-022	.428 - .448	1.002 - 1.062	2.052 - 2.072	2.719	7.73
MS9307-023	.428 - .448	1.065 - 1.125	2.115 - 2.135	2.781	7.90
MS9307-024	.428 - .448	1.190 - 1.250	2.240 - 2.260	2.906	8.24
MS9307-025	.428 - .448	1.315 - 1.375	2.365 - 2.385	3.031	8.58
MS9307-026	.428 - .448	1.440 - 1.500	2.490 - 2.510	3.156	8.92
MS9307-027	.428 - .448	1.565 - 1.625	2.615 - 2.635	3.281	9.26
MS9307-028	.428 - .448	1.690 - 1.750	2.740 - 2.760	3.406	9.60
MS9307-029	.428 - .448	1.815 - 1.875	2.865 - 2.885	3.531	9.94
MS9307-030	.428 - .448	1.940 - 2.000	2.990 - 3.010	3.656	10.28

TABLE 1 – PART NUMBERS AND DIMENSIONS - CONTINUED

PART NUMBER	A	B	C	L REF	APPROX. MASS LB/100
MS9307-050	.490 - .510	1/	.740 - .760	1.469	4.33
MS9307-051	.490 - .510	1/	.802 - .822	1.531	4.50
MS9307-052	.490 - .510	1/	.865 - .885	1.594	4.67
MS9307-053	.490 - .510	1/	.928 - .948	1.656	4.84
MS9307-054	.490 - .510	1/	.990 - 1.010	1.719	5.01
MS9307-055	.490 - .510	1/	1.052 - 1.072	1.781	5.18
MS9307-056	.490 - .510	.065 - .125	1.115 - 1.135	1.844	5.35
MS9307-057	.490 - .510	.128 - .188	1.178 - 1.198	1.906	5.52
MS9307-058	.490 - .510	.190 - .250	1.240 - 1.260	1.969	5.69
MS9307-059	.490 - .510	.252 - .312	1.302 - 1.322	2.031	5.86
MS9307-060	.490 - .510	.315 - .375	1.365 - 1.385	2.094	6.03
MS9307-061	.490 - .510	.378 - .438	1.428 - 1.448	2.156	6.20
MS9307-062	.490 - .510	.440 - .500	1.490 - 1.510	2.219	6.37
MS9307-063	.490 - .510	.502 - .562	1.552 - 1.572	2.281	6.54
MS9307-064	.490 - .510	.565 - .625	1.615 - 1.635	2.344	6.71
MS9307-065	.490 - .510	.628 - .688	1.678 - 1.698	2.406	6.88
MS9307-066	.490 - .510	.690 - .750	1.740 - 1.760	2.469	7.05
MS9307-067	.490 - .510	.752 - .812	1.802 - 1.822	2.531	7.22
MS9307-068	.490 - .510	.815 - .875	1.865 - 1.885	2.594	7.39
MS9307-069	.490 - .510	.878 - .938	1.928 - 1.948	2.656	7.56
MS9307-070	.490 - .510	.940 - 1.000	1.990 - 2.010	2.719	7.73
MS9307-071	.490 - .510	1.002 - 1.062	2.052 - 2.072	2.781	7.90
MS9307-072	.490 - .510	1.065 - 1.125	2.115 - 2.135	2.844	8.07
MS9307-073	.490 - .510	1.190 - 1.250	2.240 - 2.260	2.969	8.41
MS9307-074	.490 - .510	1.315 - 1.375	2.365 - 2.385	3.094	8.75
MS9307-075	.490 - .510	1.440 - 1.500	2.490 - 2.510	3.219	9.09
MS9307-076	.490 - .510	1.565 - 1.625	2.615 - 2.635	3.344	9.43
MS9307-077	.490 - .510	1.690 - 1.750	2.740 - 2.760	3.469	9.77
MS9307-078	.490 - .510	1.815 - 1.875	2.865 - 2.885	3.594	10.11
MS9307-079	.490 - .510	1.940 - 2.000	2.990 - 3.010	3.719	10.45

TABLE 1 – PART NUMBERS AND DIMENSIONS - CONTINUED

PART NUMBER	A	B	C	L REF	APPROX. MASS LB/100
MS9307-100	.552 - .572	1/	.740 - .760	1.531	4.50
MS9307-101	.552 - .572	1/	.802 - .822	1.594	4.67
MS9307-102	.552 - .572	1/	.865 - .885	1.656	4.84
MS9307-103	.552 - .572	1/	.928 - .948	1.719	5.01
MS9307-104	.552 - .572	1/	.990 - 1.010	1.781	5.18
MS9307-105	.552 - .572	1/	1.052 - 1.072	1.844	5.35
MS9307-106	.552 - .572	.065 - .125	1.115 - 1.135	1.906	5.52
MS9307-107	.552 - .572	.128 - .188	1.178 - 1.198	1.969	5.69
MS9307-108	.552 - .572	.190 - .250	1.240 - 1.260	2.031	5.86
MS9307-109	.552 - .572	.252 - .312	1.302 - 1.322	2.094	6.03
MS9307-110	.552 - .572	.315 - .375	1.365 - 1.385	2.156	6.20
MS9307-111	.552 - .572	.378 - .438	1.428 - 1.448	2.219	6.37
MS9307-112	.552 - .572	.440 - .500	1.490 - 1.510	2.281	6.54
MS9307-113	.552 - .572	.502 - .562	1.552 - 1.572	2.344	6.71
MS9307-114	.552 - .572	.565 - .625	1.615 - 1.635	2.406	6.88
MS9307-115	.552 - .572	.628 - .688	1.678 - 1.698	2.469	7.05
MS9307-116	.552 - .572	.690 - .750	1.740 - 1.760	2.531	7.22
MS9307-117	.552 - .572	.752 - .812	1.802 - 1.822	2.593	7.39
MS9307-118	.552 - .572	.815 - .875	1.865 - 1.885	2.656	7.56
MS9307-119	.552 - .572	.878 - .938	1.928 - 1.948	2.719	7.73
MS9307-120	.552 - .572	.940 - 1.000	1.990 - 2.010	2.781	7.90
MS9307-121	.552 - .572	1.002 - 1.062	2.052 - 2.072	2.844	8.07
MS9307-122	.552 - .572	1.065 - 1.125	2.115 - 2.135	2.906	8.24
MS9307-123	.552 - .572	1.190 - 1.250	2.240 - 2.260	3.031	8.58
MS9307-124	.552 - .572	1.315 - 1.375	2.365 - 2.385	3.156	8.92
MS9307-125	.552 - .572	1.440 - 1.500	2.490 - 2.510	3.281	9.26
MS9307-126	.552 - .572	1.565 - 1.625	2.615 - 2.635	3.406	9.60
MS9307-127	.552 - .572	1.690 - 1.750	2.740 - 2.760	3.531	9.94
MS9307-128	.552 - .572	1.815 - 1.875	2.865 - 2.885	3.656	10.28
MS9307-129	.552 - .572	1.940 - 2.000	2.990 - 3.010	3.781	10.62