

**REV.
A**

AS9303

FEDERAL SUPPLY CLASS
5307

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ANY REQUIREMENTS ASSOCIATED WITH QUALIFIED PRODUCTS LISTS (QPL) MAY CONTINUE TO BE MANDATORY FOR DOD CONTRACTS. REQUIREMENTS RELATING TO QPL'S HAVE NOT BEEN ADOPTED BY THE SAE FOR THIS STANDARD AND ARE NOT PART OF THIS SAE DOCUMENT.

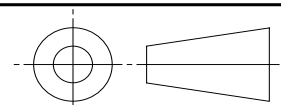
WARNING

THIS DOCUMENT INCLUDES CADMIUM AS A PLATING MATERIAL. THE USE OF CADMIUM HAS BEEN RESTRICTED AND/OR BANNED FOR USE IN MANY COUNTRIES DUE TO ENVIRONMENTAL AND HEALTH CONCERNS. THE USER SHOULD CONSULT WITH LOCAL OFFICIALS ON THE ENVIRONMENTAL AND HEALTH REGULATIONS REGARDING ITS USE.

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THIRD ANGLE PROJECTION



CUSTODIAN: SAE E-25

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) STUD, SHOULDERED, HEXAGON WRENCHING,
STEEL UNS G87400, CADMIUM PLATED, 125 KSI MIN,
.1900-32 UNF-3A X .1900-32 UNF-3A

AS9303
SHEET 1 OF 5

**REV.
A**

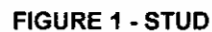


TABLE 1 - PART NUMBERS AND DIMENSIONS.

PART NUMBER	A	B	C	L REF	APPROX. MASS LB/100
MS9303-001	.365 - .385	<u>1/</u>	.365 - .385	.875	.90
MS9303-002	.365 - .385	<u>1/</u>	.428 - .448	.938	.94
MS9303-003	.365 - .385	<u>1/</u>	.490 - .510	1.000	.98
MS9303-004	.365 - .385	<u>1/</u>	.552 - .572	1.062	1.02
MS9303-005	.365 - .385	<u>1/</u>	.615 - .635	1.125	1.06
MS9303-006	.365 - .385	<u>1/</u>	.678 - .698	1.188	1.10
MS9303-007	.365 - .385	.065 - .125	.740 - .760	1.250	1.14
MS9303-008	.365 - .385	.128 - .188	.802 - .822	1.312	1.18
MS9303-009	.365 - .385	.190 - .250	.865 - .885	1.375	1.22
MS9303-010	.365 - .385	.252 - .312	.928 - .948	1.438	1.26
MS9303-011	.365 - .385	.315 - .375	.990 - 1.010	1.500	1.30
MS9303-012	.365 - .385	.378 - .438	1.052 - 1.072	1.562	1.34
MS9303-013	.365 - .385	.440 - .500	1.115 - 1.135	1.625	1.38
MS9303-014	.365 - .385	.502 - .562	1.178 - 1.198	1.688	1.42
MS9303-015	.365 - .385	.565 - .625	1.240 - 1.260	1.750	1.46
MS9303-016	.365 - .385	.628 - .688	1.302 - 1.322	1.812	1.50
MS9303-017	.365 - .385	.690 - .750	1.365 - 1.385	1.875	1.54
MS9303-018	.365 - .385	.752 - .812	1.428 - 1.448	1.938	1.58
MS9303-019	.365 - .385	.815 - .875	1.490 - 1.510	2.000	1.62
MS9303-020	.365 - .385	.878 - .938	1.552 - 1.572	2.062	1.66
MS9303-021	.365 - .385	.940 - 1.000	1.615 - 1.635	2.125	1.70
MS9303-022	.365 - .385	1.002 - 1.062	1.678 - 1.698	2.188	1.74
MS9303-023	.365 - .385	1.065 - 1.125	1.740 - 1.760	2.250	1.78

TABLE 1 - PART NUMBERS AND DIMENSIONS - CONTINUED.

PART NUMBER	A	B	C	L REF	APPROX. MASS LB/100
MS9303-050	.428 - .448	<u>1/</u>	.365 - .385	.938	.94
MS9303-051	.428 - .448	<u>1/</u>	.428 - .448	1.000	.98
MS9303-052	.428 - .448	<u>1/</u>	.490 - .510	1.062	1.02
MS9303-053	.428 - .448	<u>1/</u>	.552 - .572	1.125	1.06
MS9303-054	.428 - .448	<u>1/</u>	.615 - .635	1.188	1.10
MS9303-055	.428 - .448	<u>1/</u>	.678 - .698	1.250	1.14
MS9303-056	.428 - .448	.065 - .125	.740 - .760	1.312	1.18
MS9303-057	.428 - .448	.128 - .188	.802 - .822	1.375	1.22
MS9303-058	.428 - .448	.190 - .250	.865 - .885	1.438	1.26
MS9303-059	.428 - .448	.252 - .312	.928 - .948	1.500	1.30
MS9303-060	.428 - .448	.315 - .375	.990 - 1.010	1.562	1.34
MS9303-061	.428 - .448	.378 - .438	1.052 - 1.072	1.625	1.38
MS9303-062	.428 - .448	.440 - .500	1.115 - 1.135	1.688	1.42
MS9303-063	.428 - .448	.502 - .562	1.178 - 1.198	1.750	1.46
MS9303-064	.428 - .448	.565 - .625	1.240 - 1.260	1.812	1.50
MS9303-065	.428 - .448	.628 - .688	1.302 - 1.322	1.875	1.54
MS9303-066	.428 - .448	.690 - .750	1.365 - 1.385	1.938	1.58
MS9303-067	.428 - .448	.752 - .812	1.428 - 1.448	2.000	1.62
MS9303-068	.428 - .448	.815 - .875	1.490 - 1.510	2.062	1.66
MS9303-069	.428 - .448	.878 - .938	1.552 - 1.572	2.125	1.70
MS9303-070	.428 - .448	.940 - 1.000	1.615 - 1.635	2.188	1.74
MS9303-071	.428 - .448	1.002 - 1.062	1.678 - 1.698	2.250	1.78
MS9303-072	.428 - .448	1.065 - 1.125	1.740 - 1.760	2.312	1.82

TABLE 1 - PART NUMBERS AND DIMENSIONS - CONTINUED.

PART NUMBER	A	B	C	L REF	APPROX. MASS LB/100
MS9303-100	.490 - .510	<u>1/</u>	.365 - .385	1.000	.98
MS9303-101	.490 - .510	<u>1/</u>	.428 - .448	1.062	1.02
MS9303-102	.490 - .510	<u>1/</u>	.490 - .510	1.125	1.06
MS9303-103	.490 - .510	<u>1/</u>	.552 - .572	1.188	1.10
MS9303-104	.490 - .510	<u>1/</u>	.615 - .635	1.250	1.14
MS9303-105	.490 - .510	<u>1/</u>	.678 - .698	1.312	1.18
MS9303-106	.490 - .510	.065 - .125	.740 - .760	1.375	1.22
MS9303-107	.490 - .510	.128 - .188	.802 - .822	1.438	1.26
MS9303-108	.490 - .510	.190 - .250	.865 - .885	1.500	1.30
MS9303-109	.490 - .510	.252 - .312	.928 - .948	1.562	1.34
MS9303-110	.490 - .510	.315 - .375	.990 - 1.010	1.625	1.38
MS9303-111	.490 - .510	.378 - .438	1.052 - 1.072	1.688	1.42
MS9303-112	.490 - .510	.440 - .500	1.115 - 1.135	1.750	1.46
MS9303-113	.490 - .510	.502 - .562	1.178 - 1.198	1.812	1.50
MS9303-114	.490 - .510	.565 - .625	1.240 - 1.260	1.875	1.54
MS9303-115	.490 - .510	.628 - .688	1.302 - 1.322	1.938	1.58
MS9303-116	.490 - .510	.690 - .750	1.365 - 1.385	2.000	1.62
MS9303-117	.490 - .510	.752 - .812	1.428 - 1.448	2.062	1.66
MS9303-118	.490 - .510	.815 - .875	1.490 - 1.510	2.125	1.70
MS9303-119	.490 - .510	.878 - .938	1.552 - 1.572	2.188	1.74
MS9303-120	.490 - .510	.940 - 1.000	1.615 - 1.635	2.250	1.78
MS9303-121	.490 - .510	1.002 - 1.062	1.678 - 1.698	2.312	1.82
MS9303-122	.490 - .510	1.065 - 1.125	1.740 - 1.760	2.375	1.86

TABLE 1 - PART NUMBERS AND DIMENSIONS - CONTINUED.

PART NUMBER	A	B	C	L REF	APPROX. MASS LB/100
MS9303-150	.552 - .572	<u>1/</u>	.365 - .385	1.062	1.02
MS9303-151	.552 - .572	<u>1/</u>	.428 - .448	1.125	1.06
MS9303-152	.552 - .572	<u>1/</u>	.490 - .510	1.188	1.10
MS9303-153	.552 - .572	<u>1/</u>	.552 - .572	1.250	1.14
MS9303-154	.552 - .572	<u>1/</u>	.615 - .635	1.312	1.18
MS9303-155	.552 - .572	<u>1/</u>	.678 - .698	1.375	1.22
MS9303-156	.552 - .572	.065 - .125	.740 - .760	1.438	1.26
MS9303-157	.552 - .572	.128 - .188	.802 - .822	1.500	1.30
MS9303-158	.552 - .572	.190 - .250	.865 - .885	1.562	1.34
MS9303-159	.552 - .572	.252 - .312	.928 - .948	1.625	1.38
MS9303-160	.552 - .572	.315 - .375	.990 - 1.010	1.688	1.42
MS9303-161	.552 - .572	.378 - .438	1.052 - 1.072	1.750	1.46
MS9303-162	.552 - .572	.440 - .500	1.115 - 1.135	1.812	1.50
MS9303-163	.552 - .572	.502 - .562	1.178 - 1.198	1.875	1.54
MS9303-164	.552 - .572	.565 - .625	1.240 - 1.260	1.938	1.58
MS9303-165	.552 - .572	.628 - .688	1.302 - 1.322	2.000	1.62
MS9303-166	.552 - .572	.690 - .750	1.365 - 1.385	2.062	1.66
MS9303-167	.552 - .572	.752 - .812	1.428 - 1.448	2.125	1.70
MS9303-168	.552 - .572	.815 - .875	1.490 - 1.510	2.188	1.74
MS9303-169	.552 - .572	.878 - .938	1.552 - 1.572	2.250	1.78
MS9303-170	.552 - .572	.940 - 1.000	1.615 - 1.635	2.312	1.82
MS9303-171	.552 - .572	1.002 - 1.062	1.678 - 1.698	2.375	1.86
MS9303-172	.552 - .572	1.065 - 1.125	1.740 - 1.760	2.438	1.90

1/ THREAD TO HEAD. MAXIMUM TWO INCOMPLETE THREADS.