

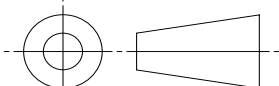
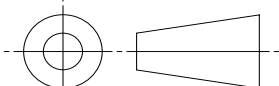
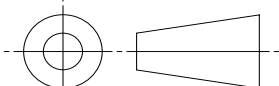
REV. A				FEDERAL SUPPLY CLASS 5307		
AS9304	THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9304B, NOTICE 1. THIS SAE STANDARD RETAINS THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT. ANY REQUIREMENTS ASSOCIATED WITH QUALIFIED PRODUCTS 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. SAENORM.COM : Click to view the full PDF of as9304a  SAE 100 Leading Our World In Motion <table border="1"> <tr> <td>THIRD ANGLE PROJECTION</td> </tr> <tr> <td></td> </tr> </table>					THIRD ANGLE PROJECTION	
THIRD ANGLE PROJECTION						
						
CUSTODIAN: SAE E-25						
 SAE Aerospace An SAE International Group	AEROSPACE STANDARD (R) STUD, SHOULDERED, STEPPED, HEX., WRENCHING, STEEL UNS G87400, CADMIUM PLATED, 125 KSI MIN, .1900-32 UNF-3A X .2500-28 UNF-3A	AS9304 SHEET 1 OF 5	REV. A			



TABLE 1 - PART NUMBERS AND DIMENSIONS.

PART NUMBER	A	B	C	L REF	APPROX. MASS LB/100
MS9304-001	.365 - .385	1/	.490 - .510	1.031	1.52
MS9304-002	.365 - .385	1/	.552 - .572	1.094	1.59
MS9304-003	.365 - .385	1/	.615 - .625	1.156	1.66
MS9304-004	.365 - .385	1/	.678 - .698	1.219	1.73
MS9304-005	.365 - .385	1/	.740 - .760	1.281	1.80
MS9304-006	.365 - .385	1/	.802 - .822	1.344	1.87
MS9304-007	.365 - .385	.065 - .125	.865 - .885	1.406	1.94
MS9304-008	.365 - .385	.128 - .188	.928 - .948	1.469	2.01
MS9304-009	.365 - .385	.190 - .250	.990 - 1.010	1.531	2.08
MS9304-010	.365 - .385	.252 - .312	1.052 - 1.072	1.594	2.15
MS9304-011	.365 - .385	.315 - .375	1.115 - 1.135	1.656	2.22
MS9304-012	.365 - .385	.378 - .438	1.178 - 1.198	1.719	2.29
MS9304-013	.365 - .385	.440 - .500	1.240 - 1.260	1.781	2.36
MS9304-014	.365 - .385	.502 - .562	1.302 - 1.322	1.844	2.43
MS9304-015	.365 - .385	.565 - .625	1.365 - 1.385	1.906	2.50
MS9304-016	.365 - .385	.628 - .688	1.428 - 1.448	1.969	2.57
MS9304-017	.365 - .385	.690 - .750	1.490 - 1.510	2.031	2.64
MS9304-018	.365 - .385	.752 - .812	1.552 - 1.572	2.094	2.71
MS9304-019	.365 - .385	.815 - .875	1.615 - 1.635	2.156	2.78
MS9304-020	.365 - .385	.878 - .938	1.678 - 1.698	2.219	2.85
MS9304-021	.365 - .385	.940 - 1.000	1.740 - 1.760	2.281	2.92
MS9304-022	.365 - .385	1.002 - 1.062	1.802 - 1.822	2.344	2.99
MS9304-023	.365 - .385	1.065 - 1.125	1.865 - 1.885	2.406	3.06
MS9304-024	.365 - .385	1.128 - 1.188	1.928 - 1.948	2.469	3.13
MS9304-025	.365 - .385	1.190 - 1.250	1.990 - 2.010	2.531	3.20

TABLE 1 - PART NUMBERS AND DIMENSIONS - CONTINUED.

PART NUMBER	A	B	C	L REF	APPROX. MASS LB/100
MS9304-050	.428 - .448	1/	.490 - .510	1.094	1.59
MS9304-051	.428 - .448	1/	.552 - .572	1.156	1.66
MS9304-052	.428 - .448	1/	.615 - .625	1.219	1.73
MS9304-053	.428 - .448	1/	.678 - .698	1.281	1.80
MS9304-054	.428 - .448	1/	.740 - .760	1.344	1.87
MS9304-055	.428 - .448	1/	.802 - .822	1.406	1.94
MS9304-056	.428 - .448	.065 - .125	.865 - .885	1.469	2.01
MS9304-057	.428 - .448	.128 - .188	.928 - .948	1.531	2.08
MS9304-058	.428 - .448	.190 - .250	.990 - 1.010	1.594	2.15
MS9304-059	.428 - .448	.252 - .312	1.052 - 1.072	1.656	2.22
MS9304-060	.428 - .448	.315 - .375	1.115 - 1.135	1.719	2.29
MS9304-061	.428 - .448	.378 - .438	1.178 - 1.198	1.781	2.36
MS9304-062	.428 - .448	.440 - .500	1.240 - 1.260	1.844	2.43
MS9304-063	.428 - .448	.502 - .562	1.302 - 1.322	1.906	2.50
MS9304-064	.428 - .448	.565 - .625	1.365 - 1.385	1.969	2.57
MS9304-065	.428 - .448	.628 - .688	1.428 - 1.448	2.031	2.64
MS9304-066	.428 - .448	.690 - .750	1.490 - 1.510	2.094	2.71
MS9304-067	.428 - .448	.752 - .812	1.552 - 1.572	2.156	2.78
MS9304-068	.428 - .448	.815 - .875	1.615 - 1.635	2.219	2.85
MS9304-069	.428 - .448	.878 - .938	1.678 - 1.698	2.281	2.92
MS9304-070	.428 - .448	.940 - 1.000	1.740 - 1.760	2.344	2.99
MS9304-071	.428 - .448	1.002 - 1.062	1.802 - 1.822	2.406	3.06
MS9304-072	.428 - .448	1.065 - 1.125	1.865 - 1.885	2.469	3.13
MS9304-073	.428 - .448	1.128 - 1.188	1.928 - 1.948	2.531	3.20
MS9304-074	.428 - .448	1.190 - 1.250	1.990 - 2.010	2.594	3.27

TABLE 1 - PART NUMBERS AND DIMENSIONS - CONTINUED.

PART NUMBER	A	B	C	L REF	APPROX. MASS LB/100
MS9304-100	.490 - .510	<u>1/</u>	.490 - .510	1.156	1.66
MS9304-101	.490 - .510	<u>1/</u>	.552 - .572	1.219	1.73
MS9304-102	.490 - .510	<u>1/</u>	.615 - .625	1.281	1.80
MS9304-103	.490 - .510	<u>1/</u>	.678 - .698	1.344	1.87
MS9304-104	.490 - .510	<u>1/</u>	.740 - .760	1.406	1.94
MS9304-105	.490 - .510	<u>1/</u>	.802 - .822	1.469	2.01
MS9304-106	.490 - .510	.065 - .125	.865 - .885	1.531	2.08
MS9304-107	.490 - .510	.128 - .188	.928 - .948	1.594	2.15
MS9304-108	.490 - .510	.190 - .250	.990 - 1.010	1.656	2.22
MS9304-109	.490 - .510	.252 - .312	1.052 - 1.072	1.719	2.29
MS9304-110	.490 - .510	.315 - .375	1.115 - 1.135	1.781	2.36
MS9304-111	.490 - .510	.378 - .438	1.178 - 1.198	1.844	2.43
MS9304-112	.490 - .510	.440 - .500	1.240 - 1.260	1.906	2.50
MS9304-113	.490 - .510	.502 - .562	1.302 - 1.322	1.969	2.57
MS9304-114	.490 - .510	.565 - .625	1.365 - 1.385	2.031	2.64
MS9304-115	.490 - .510	.628 - .688	1.428 - 1.448	2.094	2.71
MS9304-116	.490 - .510	.690 - .750	1.490 - 1.510	2.156	2.78
MS9304-117	.490 - .510	.752 - .812	1.552 - 1.572	2.219	2.85
MS9304-118	.490 - .510	.815 - .875	1.615 - 1.635	2.281	2.92
MS9304-119	.490 - .510	.878 - .938	1.678 - 1.698	2.344	2.99
MS9304-120	.490 - .510	.940 - 1.000	1.740 - 1.760	2.406	3.06
MS9304-121	.490 - .510	1.002 - 1.062	1.802 - 1.822	2.469	3.13
MS9304-122	.490 - .510	1.065 - 1.125	1.865 - 1.885	2.531	3.20
MS9304-123	.490 - .510	1.128 - 1.188	1.928 - 1.948	2.594	3.27
MS9304-124	.490 - .510	1.190 - 1.250	1.990 - 2.010	2.656	3.34

TABLE 1 - PART NUMBERS AND DIMENSIONS - CONTINUED.

PART NUMBER	A	B	C	L REF	APPROX. MASS LB/100
MS9304-150	.552 - .572	<u>1/</u>	.490 - .510	1.219	1.73
MS9304-151	.552 - .572	<u>1/</u>	.552 - .572	1.281	1.80
MS9304-152	.552 - .572	<u>1/</u>	.615 - .625	1.344	1.87
MS9304-153	.552 - .572	<u>1/</u>	.678 - .698	1.406	1.94
MS9304-154	.552 - .572	<u>1/</u>	.740 - .760	1.469	2.01
MS9304-155	.552 - .572	<u>1/</u>	.802 - .822	1.531	2.08
MS9304-156	.552 - .572	.065 - .125	.865 - .885	1.594	2.15
MS9304-157	.552 - .572	.128 - .188	.928 - .948	1.656	2.22
MS9304-158	.552 - .572	.190 - .250	.990 - 1.010	1.719	2.29
MS9304-159	.552 - .572	.252 - .312	1.052 - 1.072	1.781	2.36
MS9304-160	.552 - .572	.315 - .375	1.115 - 1.135	1.844	2.43
MS9304-161	.552 - .572	.378 - .438	1.178 - 1.198	1.906	2.50
MS9304-162	.552 - .572	.440 - .500	1.240 - 1.260	1.969	2.57
MS9304-163	.552 - .572	.502 - .562	1.302 - 1.322	2.031	2.64
MS9304-164	.552 - .572	.565 - .625	1.365 - 1.385	2.094	2.71
MS9304-165	.552 - .572	.628 - .688	1.428 - 1.448	2.156	2.78
MS9304-166	.552 - .572	.690 - .750	1.490 - 1.510	2.219	2.85
MS9304-167	.552 - .572	.752 - .812	1.552 - 1.572	2.281	2.92
MS9304-168	.552 - .572	.815 - .875	1.615 - 1.635	2.344	2.99
MS9304-169	.552 - .572	.878 - .938	1.678 - 1.698	2.406	3.06
MS9304-170	.552 - .572	.940 - 1.000	1.740 - 1.760	2.469	3.13
MS9304-171	.552 - .572	1.002 - 1.062	1.802 - 1.822	2.531	3.20
MS9304-172	.552 - .572	1.065 - 1.125	1.865 - 1.885	2.594	3.27
MS9304-173	.552 - .572	1.128 - 1.188	1.928 - 1.948	2.656	3.34
MS9304-174	.552 - .572	1.190 - 1.250	1.990 - 2.010	2.719	3.41

1/ THREAD TO HEAD. MAXIMUM TWO INCOMPLETE THREADS.