

REV.
A

AS9296

FEDERAL SUPPLY CLASS
5306

RATIONALE

UPDATE STANDARD, INTRODUCE SYMBOLS FOR GEOMETRIC FORM AND POSITION CONTROLS PER ANSI Y14.5M AND REPLACE MIL-S-8879 WITH AS8879.

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9296(ASG), NOTICE 1. THIS SAE STANDARD RETAINS THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

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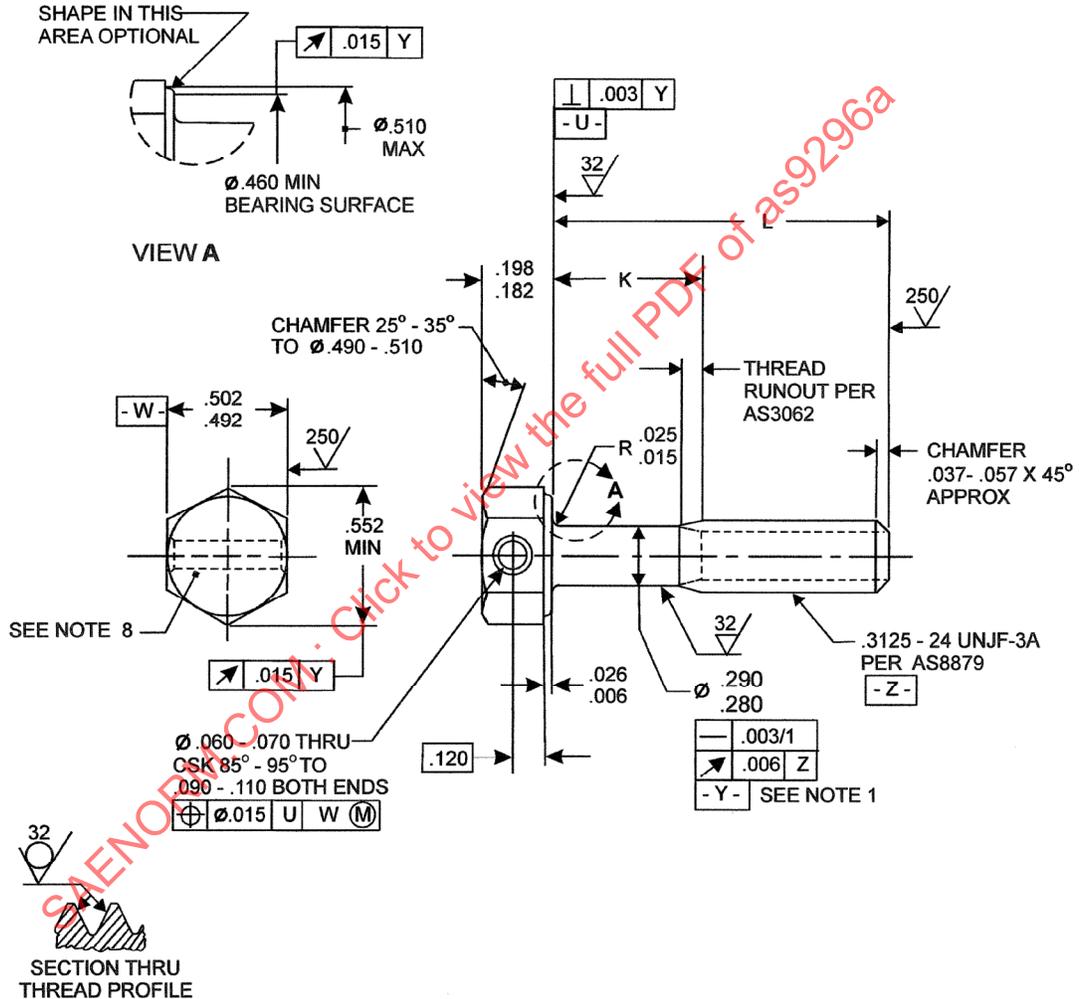
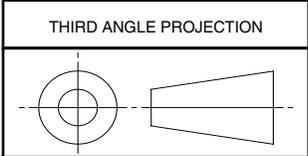


FIGURE 1 - BOLT



CUSTODIAN: SAE E-25

SAE Aerospace
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AEROSPACE STANDARD

(R) BOLT, MACHINE - HEXAGON HEAD, DRILLED
1 HOLE, PD SHANK, BLACK OXIDE, STEEL
UNS G87400, 125 KSI MIN, .3125-24 UNJF-3A

AS9296
SHEET 1 OF 3

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ISSUED 1999-04 REAFFIRMED 2004-07 REVISED 2006-07

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NUMBER	L	K	APPROX. MASS LB/100	PART NUMBER	L	K	APPROX. MASS LB/100
MS9296-04	.490 - .510	.088 - .108	2.12	MS9296-32	2.740 - 2.760	1.815 - 1.875	6.17
MS9296-05	.552 - .572	.088 - .108	2.23	MS9296-33	2.865 - 2.885	1.940 - 2.000	6.40
MS9296-06	.615 - .635	.088 - .108	2.34	MS9296-34	2.990 - 3.010	2.065 - 2.125	6.62
MS9296-07	.678 - .698	.088 - .108	2.45	MS9296-35	3.115 - 3.135	2.190 - 2.250	6.85
MS9296-08	.740 - .760	.088 - .108	2.56	MS9296-36	3.240 - 3.260	2.315 - 2.375	7.08
MS9296-09	.802 - .822	.088 - .108	2.67	MS9296-37	3.365 - 3.385	2.440 - 2.500	7.30
MS9296-10	.865 - .885	.088 - .108	2.79	MS9296-38	3.490 - 3.510	2.565 - 2.625	7.53
MS9296-11	.928 - .948	.088 - .108	2.90	MS9296-39	3.615 - 3.635	2.690 - 2.750	7.75
MS9296-12	.990 - 1.010	.088 - .125	3.01	MS9296-40	3.740 - 3.760	2.815 - 2.875	7.98
MS9296-13	1.052 - 1.072	.128 - .188	3.13	MS9296-41	3.865 - 3.885	2.940 - 3.000	8.20
MS9296-14	1.115 - 1.135	.190 - .250	3.24	MS9296-42	3.990 - 4.010	3.065 - 3.125	8.43
MS9296-15	1.178 - 1.198	.252 - .312	3.35	MS9296-43	4.115 - 4.135	3.190 - 3.250	8.66
MS9296-16	1.240 - 1.260	.315 - .375	3.46	MS9296-44	4.240 - 4.260	3.315 - 3.375	8.88
MS9296-17	1.302 - 1.322	.378 - .438	3.58	MS9296-45	4.365 - 4.385	3.440 - 3.500	9.11
MS9296-18	1.365 - 1.385	.440 - .500	3.69	MS9296-46	4.490 - 4.510	3.565 - 3.625	9.33
MS9296-19	1.428 - 1.448	.502 - .562	3.80	MS9296-47	4.615 - 4.635	3.690 - 3.750	9.56
MS9296-20	1.490 - 1.510	.565 - .625	3.92	MS9296-48	4.740 - 4.760	3.815 - 3.875	9.78
MS9296-21	1.552 - 1.572	.628 - .688	4.03	MS9296-49	4.865 - 4.885	3.940 - 4.000	10.01
MS9296-22	1.615 - 1.635	.690 - .750	4.14	MS9296-50	4.990 - 5.010	4.065 - 4.125	10.24
MS9296-23	1.678 - 1.698	.752 - .812	4.25	MS9296-51	5.115 - 5.135	4.190 - 4.250	10.46
MS9296-24	1.740 - 1.760	.815 - .875	4.37	MS9296-52	5.240 - 5.260	4.315 - 4.375	10.69
MS9296-25	1.865 - 1.885	.940 - 1.000	4.59	MS9296-53	5.365 - 5.385	4.440 - 4.500	10.91
MS9296-26	1.990 - 2.010	1.065 - 1.125	4.82	MS9296-54	5.490 - 5.510	4.565 - 4.625	11.14
MS9296-27	2.115 - 2.135	1.190 - 1.250	5.04	MS9296-55	5.615 - 5.635	4.690 - 4.750	11.36
MS9296-28	2.240 - 2.260	1.315 - 1.375	5.27	MS9296-56	5.740 - 5.760	4.815 - 4.875	11.59
MS9296-29	2.365 - 2.385	1.440 - 1.500	5.50	MS9296-57	5.865 - 5.885	4.940 - 5.000	11.81
MS9296-30	2.490 - 2.510	1.565 - 1.625	5.72	MS9296-58	5.990 - 6.010	5.065 - 5.125	12.04
MS9296-31	2.615 - 2.635	1.690 - 1.750	5.95				