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REV.
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AS9699

FEDERAL SUPPLY CLASS
5306

RATIONALE

THIS DOCUMENT HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE 5-YEAR REVIEW POLICY.

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9699A, 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.

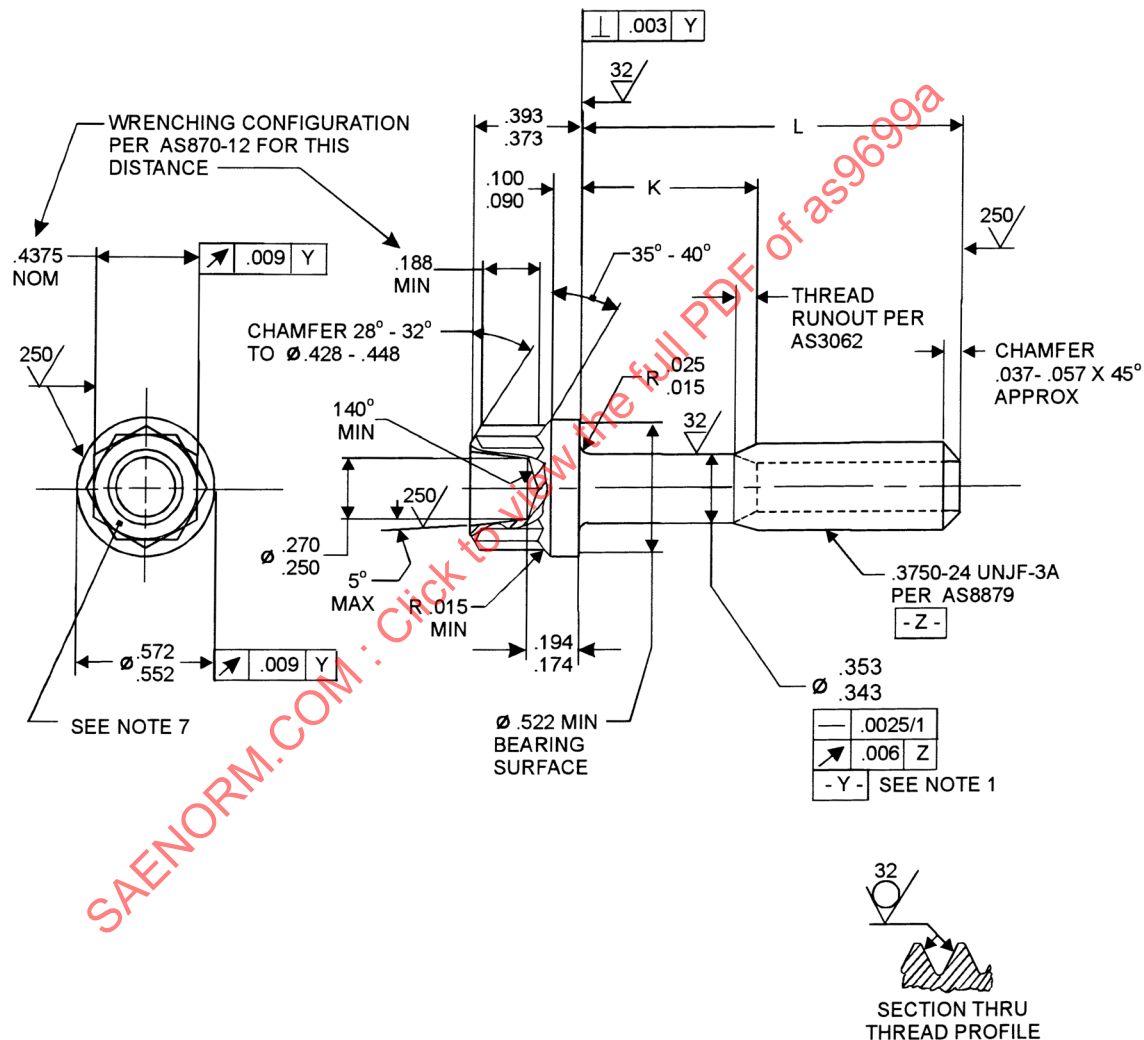


FIGURE 1 - BOLT

CUSTODIAN: SAE E-25

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) BOLT, MACHINE - DOUBLE HEXAGON EXTENDED
WASHER HEAD, PD SHANK, CORROSION AND HEAT
RESISTANT STEEL, UNS N07001, 165 KSI MIN, .3750-24 UNJF-3A

AS9699
SHEET 1 OF 3

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ISSUED 1999-04 REVISED 2003-09 REAFFIRMED 2007-06

TABLE 1 - PART NUMBERS AND DIMENSIONS.

PART NUMBER	L	K	APPROX. MASS LB/100	PART NUMBER	L	K	APPROX. MASS LB/100
MS9699-04	.615 - .635	.088 - .108	3.55	MS9699-31	2.740 - 2.760	1.690 - 1.750	9.53
MS9699-05	.678 - .698	.088 - .108	3.78	MS9699-32	2.865 - 2.885	1.815 - 1.875	9.88
MS9699-06	.740 - .760	.088 - .108	3.90	MS9699-33	2.990 - 3.010	1.940 - 2.000	10.24
MS9699-07	.802 - .822	.088 - .108	4.08	MS9699-34	3.115 - 3.135	2.065 - 2.125	10.59
MS9699-08	.865 - .885	.088 - .108	4.25	MS9699-35	3.240 - 3.260	2.190 - 2.250	10.94
MS9699-09	.928 - .948	.088 - .108	4.43	MS9699-36	3.365 - 3.385	2.315 - 2.375	11.29
MS9699-10	.990 - 1.010	.088 - .108	4.61	MS9699-37	3.490 - 3.510	2.440 - 2.500	11.64
MS9699-11	1.052 - 1.072	.088 - .108	4.78	MS9699-38	3.615 - 3.635	2.565 - 2.625	11.99
MS9699-12	1.115 - 1.135	.088 - .125	4.96	MS9699-39	3.740 - 3.760	2.690 - 2.750	12.35
MS9699-13	1.178 - 1.198	.128 - .188	5.14	MS9699-40	3.865 - 3.885	2.815 - 2.875	12.70
MS9699-14	1.240 - 1.260	.190 - .250	5.31	MS9699-41	3.990 - 4.010	2.940 - 3.000	13.05
MS9699-15	1.302 - 1.322	.252 - .312	5.48	MS9699-42	4.115 - 4.135	3.065 - 3.125	13.40
MS9699-16	1.365 - 1.385	.315 - .375	5.66	MS9699-43	4.240 - 4.260	3.190 - 3.250	13.76
MS9699-17	1.428 - 1.448	.378 - .438	5.84	MS9699-44	4.365 - 4.385	3.315 - 3.375	14.11
MS9699-18	1.490 - 1.510	.440 - .500	6.01	MS9699-45	4.490 - 4.510	3.440 - 3.500	14.46
MS9699-19	1.552 - 1.572	.502 - .562	6.19	MS9699-46	4.615 - 4.635	3.565 - 3.625	14.81
MS9699-20	1.615 - 1.635	.565 - .625	6.36	MS9699-47	4.740 - 4.760	3.690 - 3.750	15.16
MS9699-21	1.678 - 1.698	.628 - .688	6.54	MS9699-48	4.865 - 4.885	3.815 - 3.875	15.51
MS9699-22	1.740 - 1.760	.690 - .750	6.72	MS9699-49	4.990 - 5.010	3.940 - 4.000	15.87
MS9699-23	1.802 - 1.822	.752 - .812	6.89	MS9699-50	5.115 - 5.135	4.065 - 4.125	16.22
MS9699-24	1.865 - 1.885	.815 - .875	7.07	MS9699-51	5.240 - 5.260	4.190 - 4.250	16.57
MS9699-25	1.990 - 2.010	.940 - 1.000	7.42	MS9699-52	5.365 - 5.385	4.315 - 4.375	16.92
MS9699-26	2.115 - 2.135	1.065 - 1.125	7.77	MS9699-53	5.490 - 5.510	4.440 - 4.500	17.27
MS9699-27	2.240 - 2.260	1.190 - 1.250	8.13	MS9699-54	5.615 - 5.635	4.565 - 4.625	17.62
MS9699-28	2.365 - 2.385	1.315 - 1.375	8.48	MS9699-55	5.740 - 5.760	4.690 - 4.750	17.98
MS9699-29	2.490 - 2.510	1.440 - 1.500	8.83	MS9699-56	5.865 - 5.885	4.815 - 4.875	18.33
MS9699-30	2.615 - 2.635	1.565 - 1.625	9.18	MS9699-57	5.990 - 6.010	4.940 - 5.000	18.68