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REV. A

AS91701

FEDERAL SUPPLY CLASS
5306

RATIONALE

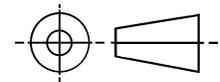
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THIRD ANGLE PROJECTION



PREPARED BY SAE COMMITTEE E-25, GENERAL STANDARDS FOR AEROSPACE & PROPULSION SYSTEMS

SAE Aerospace
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AEROSPACE STANDARD
(R) BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, BLACK OXIDE, STEEL, UNS G87400, 125 KSI MIN .2500-28 UNF-3A

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SHEET 1 OF 4

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ISSUED 1999-12 REVISED 2003-10 REAFFIRMED 2007-06

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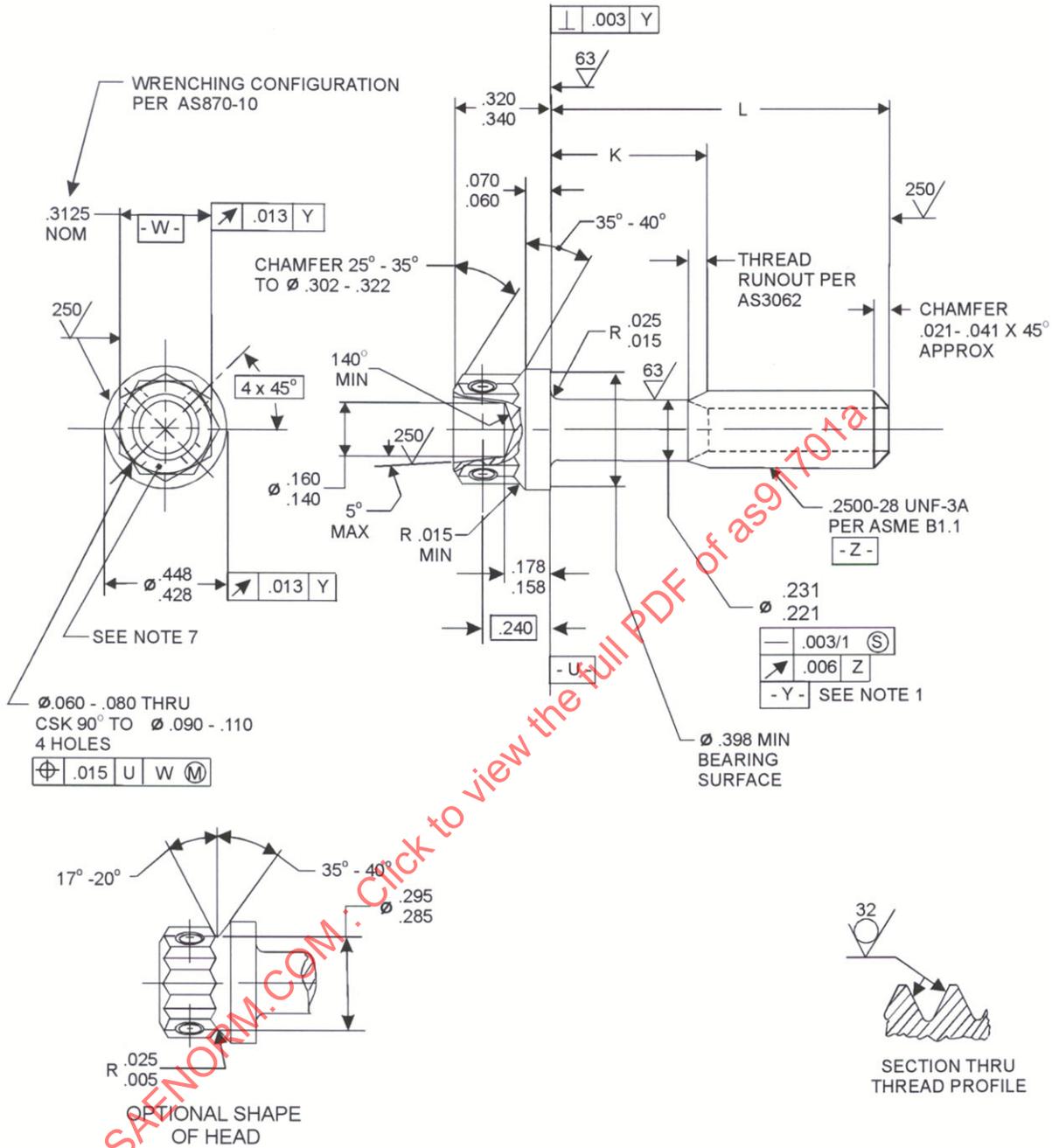


FIGURE 1 - BOLT

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TABLE 1 - PART NUMBERS AND DIMENSIONS.

PART NUMBER	L	K	APPROX. MASS LB/100	PART NUMBER	L	K	APPROX. MASS LB/100
MS9170-06	.490 - .510	<u>1/</u>	1.29	MS9170-34	2.740 - 2.760	1.940 - 2.000	3.85
MS9170-07	.552 - .572	<u>1/</u>	1.36	MS9170-35	2.865 - 2.885	2.065 - 2.125	4.00
MS9170-08	.615 - .635	<u>1/</u>	1.44	MS9170-36	2.990 - 3.010	2.190 - 2.250	4.14
MS9170-09	.678 - .698	<u>1/</u>	1.51	MS9170-37	3.115 - 3.135	2.315 - 2.375	4.29
MS9170-10	.740 - .760	<u>1/</u>	1.58	MS9170-38	3.240 - 3.260	2.440 - 2.500	4.43
MS9170-11	.802 - .822	<u>1/</u>	1.65	MS9170-39	3.365 - 3.385	2.565 - 2.625	4.58
MS9170-12	.865 - .885	.065 - .125	1.72	MS9170-40	3.490 - 3.510	2.690 - 2.750	4.72
MS9170-13	.928 - .948	.128 - .188	1.79	MS9170-41	3.615 - 3.635	2.815 - 2.875	4.85
MS9170-14	.990 - 1.010	.190 - .250	1.86	MS9170-42	3.740 - 3.760	2.940 - 3.000	4.99
MS9170-15	1.052 - 1.072	.252 - .312	1.93	MS9170-43	3.865 - 3.885	3.065 - 3.125	5.13
MS9170-16	1.115 - 1.135	.315 - .375	2.00	MS9170-44	3.990 - 4.010	3.190 - 3.250	5.27
MS9170-17	1.178 - 1.198	.378 - .438	2.08	MS9170-45	4.115 - 4.135	3.315 - 3.375	5.42
MS9170-18	1.240 - 1.260	.440 - .500	2.15	MS9170-46	4.240 - 4.260	3.440 - 3.500	5.56
MS9170-19	1.302 - 1.322	.502 - .562	2.22	MS9170-47	4.365 - 4.385	3.565 - 3.625	5.71
MS9170-20	1.365 - 1.385	.565 - .625	2.29	MS9170-48	4.490 - 4.510	3.690 - 3.750	5.85
MS9170-21	1.428 - 1.448	.628 - .688	2.36	MS9170-49	4.615 - 4.635	3.815 - 3.875	6.00
MS9170-22	1.490 - 1.510	.690 - .750	2.43	MS9170-50	4.740 - 4.760	3.940 - 4.000	6.14
MS9170-23	1.552 - 1.572	.752 - .812	2.50	MS9170-51	4.865 - 4.885	4.065 - 4.125	6.29
MS9170-24	1.615 - 1.635	.815 - .875	2.57	MS9170-52	4.990 - 5.010	4.190 - 4.250	6.43
MS9170-25	1.678 - 1.698	.878 - .938	2.64	MS9170-53	5.115 - 5.135	4.315 - 4.375	6.56
MS9170-26	1.740 - 1.760	.940 - 1.000	2.72	MS9170-54	5.240 - 5.260	4.440 - 4.500	6.70
MS9170-27	1.865 - 1.885	1.065 - 1.125	2.86	MS9170-55	5.365 - 5.385	4.565 - 4.625	6.84
MS9170-28	1.990 - 2.010	1.190 - 1.250	3.00	MS9170-56	5.490 - 5.510	4.690 - 4.750	6.99
MS9170-29	2.115 - 2.135	1.315 - 1.375	3.14	MS9170-57	5.615 - 5.635	4.815 - 4.875	7.13
MS9170-30	2.240 - 2.260	1.440 - 1.500	3.29	MS9170-58	5.740 - 5.760	4.940 - 5.000	7.28
MS9170-31	2.365 - 2.385	1.565 - 1.625	3.43	MS9170-59	5.865 - 5.885	5.065 - 5.125	7.42
MS9170-32	2.490 - 2.510	1.690 - 1.750	3.57	MS9170-60	5.990 - 6.010	5.190 - 5.250	7.57
MS9170-33	2.615 - 2.635	1.815 - 1.875	3.71				

1/ THREAD TO HEAD. MAXIMUM TWO IMPERFECT THREADS.


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