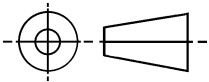


REV. A	FEDERAL SUPPLY CLASS 5306	
	RATIONALE THIS DOCUMENT HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE 5-YEAR REVIEW POLICY. THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9170A. THIS SAE STANDARD RETAINS THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL 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.	
AS91701	SAENORM.COM : Click to view the full PDF of as91701a	
THIRD ANGLE PROJECTION 		ISSUED 1999-12 REVISED 2003-10 REAFFIRMED 2007-06
PREPARED BY SAE COMMITTEE E-25, GENERAL STANDARDS FOR AEROSPACE & PROPULSION SYSTEMS		
SAE Aerospace An SAE International Group	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	AS91701 SHEET 1 OF 4
		REV. A

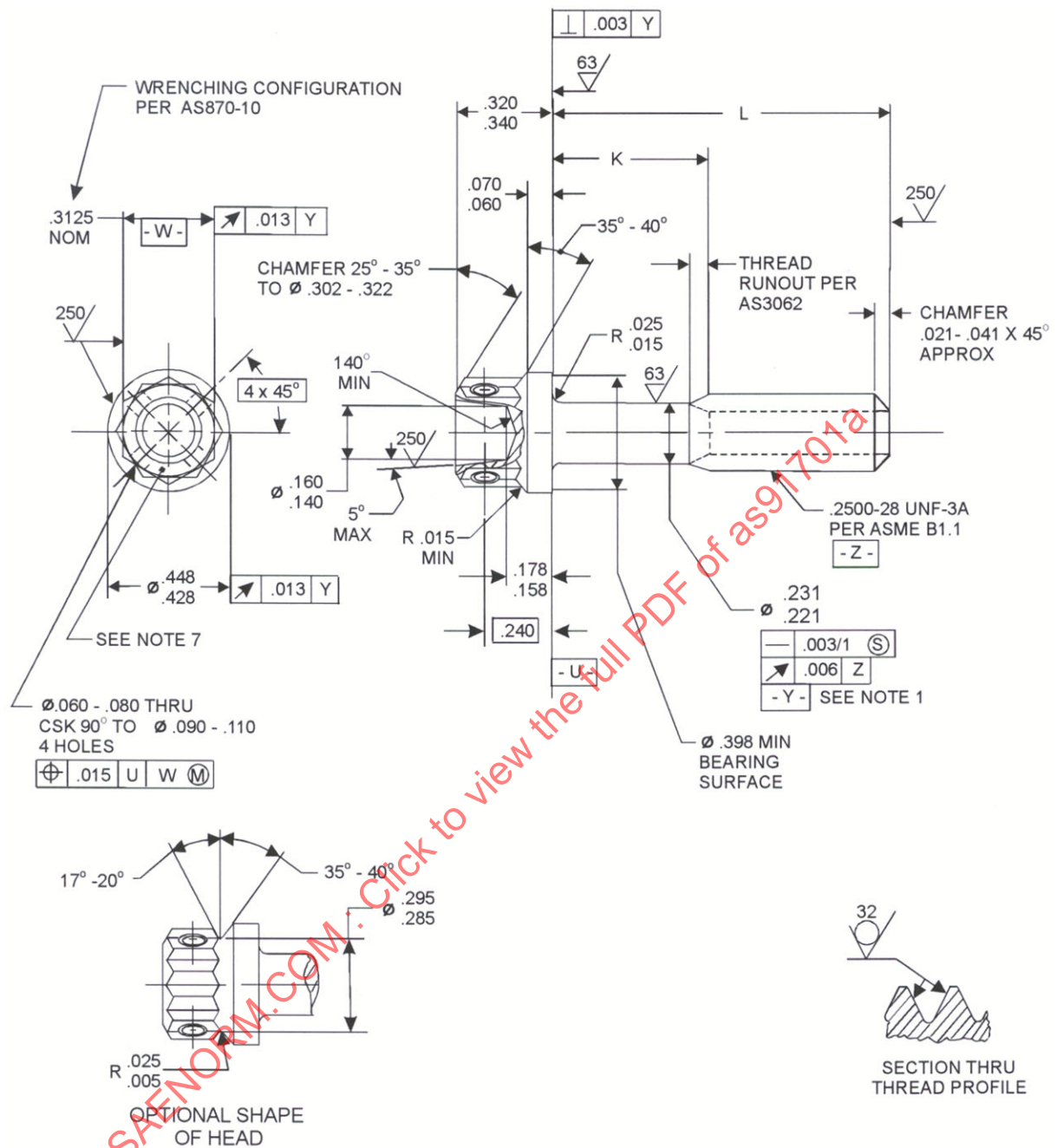


FIGURE 1 - BOLT

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AS91701

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.