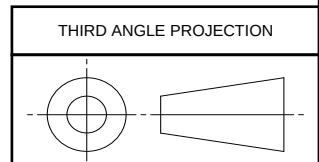


SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

REV. A	RATIONALE AS9742A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.		FEDERAL SUPPLY CLASS 5306
AS9742	THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9742A, 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.		
SAENORM.COM : Click to view the full PDF of as9742a			
CUSTODIAN: E-25		PROCUREMENT SPECIFICATION: AS7474	
	AEROSPACE STANDARD (R) BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, CRES UNS S17400, 140 KSI MIN .2500-28 UNJF-3A	AS9742 SHEET 1 OF 4	REV. A

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS9742A>



ISSUED 1998-08 REVISED 2005-08 REAFFIRMED 2013-10

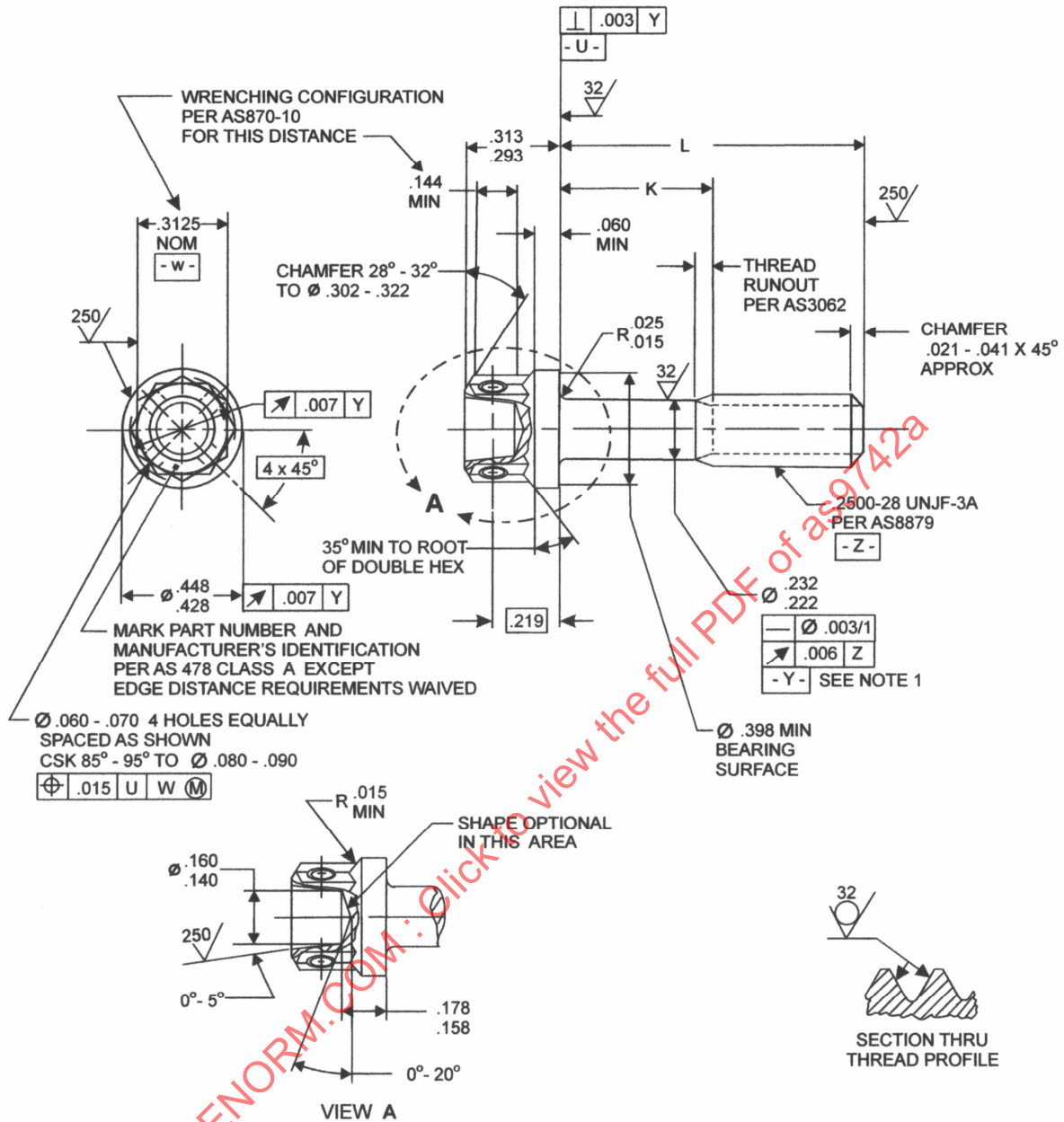


TABLE 1 - PART NUMBERS AND DIMENSIONS.

PART NUMBER	L	K	APPROX. MASS LB/100	PART NUMBER	L	K	APPROX. MASS LB/100
MS9742-04	.365 - .385	.079 - .099	1.25	MS9742-34	2.615 - 2.635	1.815 - 1.875	3.80
MS9742-05	.428 - .448	.079 - .099	1.32	MS9742-35	2.740 - 2.760	1.940 - 2.000	3.94
MS9742-06	.490 - .510	.079 - .099	1.39	MS9742-36	2.865 - 2.885	2.065 - 2.125	4.08
MS9742-07	.552 - .572	.079 - .099	1.47	MS9742-37	2.990 - 3.010	2.190 - 2.250	4.23
MS9742-08	.615 - .635	.079 - .099	1.54	MS9742-38	3.115 - 3.135	2.315 - 2.375	4.37
MS9742-09	.678 - .698	.079 - .099	1.61	MS9742-39	3.240 - 3.260	2.440 - 2.500	4.51
MS9742-10	.740 - .760	.079 - .099	1.68	MS9742-40	3.365 - 3.385	2.565 - 2.625	4.65
MS9742-11	.802 - .822	.079 - .099	1.75	MS9742-41	3.490 - 3.510	2.690 - 2.750	4.79
MS9742-12	.865 - .885	.079 - .125	1.82	MS9742-42	3.615 - 3.635	2.815 - 2.875	4.93
MS9742-13	.928 - .948	.128 - .188	1.89	MS9742-43	3.740 - 3.760	2.940 - 3.000	5.08
MS9742-14	.990 - 1.010	.190 - .250	1.96	MS9742-44	3.865 - 3.885	3.065 - 3.125	5.22
MS9742-15	1.052 - 1.072	.252 - .312	2.03	MS9742-45	3.990 - 4.010	3.190 - 3.250	5.36
MS9742-16	1.115 - 1.135	.315 - .375	2.10	MS9742-46	4.115 - 4.135	3.315 - 3.375	5.50
MS9742-17	1.178 - 1.198	.378 - .438	2.17	MS9742-47	4.240 - 4.260	3.440 - 3.500	5.64
MS9742-18	1.240 - 1.260	.440 - .500	2.24	MS9742-48	4.365 - 4.385	3.565 - 3.625	5.78
MS9742-19	1.302 - 1.322	.502 - .562	2.31	MS9742-49	4.490 - 4.510	3.690 - 3.750	5.93
MS9742-20	1.365 - 1.385	.565 - .625	2.39	MS9742-50	4.615 - 4.635	3.815 - 3.875	6.07
MS9742-21	1.428 - 1.448	.628 - .688	2.46	MS9742-51	4.740 - 4.760	3.940 - 4.000	6.21
MS9742-22	1.490 - 1.510	.690 - .750	2.53	MS9742-52	4.865 - 4.885	4.065 - 4.125	6.35
MS9742-23	1.552 - 1.572	.752 - .812	2.60	MS9742-53	4.990 - 5.010	4.190 - 4.250	6.49
MS9742-24	1.615 - 1.635	.815 - .875	2.67	MS9742-54	5.115 - 5.135	4.315 - 4.375	6.63
MS9742-25	1.678 - 1.698	.878 - .938	2.74	MS9742-55	5.240 - 5.260	4.440 - 4.500	6.78
MS9742-26	1.740 - 1.760	.940 - 1.000	2.81	MS9742-56	5.365 - 5.385	4.565 - 4.625	6.92
MS9742-27	1.802 - 1.822	1.002 - 1.062	2.88	MS9742-57	5.490 - 5.510	4.690 - 4.750	7.06
MS9742-28	1.865 - 1.885	1.065 - 1.125	2.95	MS9742-58	5.615 - 5.635	4.815 - 4.875	7.20
MS9742-29	1.990 - 2.010	1.190 - 1.250	3.09	MS9742-59	5.740 - 5.760	4.940 - 5.000	7.34
MS9742-30	2.115 - 2.135	1.315 - 1.375	3.24	MS9742-60	5.865 - 5.885	5.065 - 5.125	7.48
MS9742-31	2.240 - 2.260	1.440 - 1.500	3.38	MS9742-61	5.990 - 6.010	5.190 - 5.250	7.62
MS9742-32	2.365 - 2.385	1.565 - 1.625	3.52				
MS9742-33	2.490 - 2.510	1.690 - 1.750	3.66				

**AEROSPACE STANDARD**

(R) BOLT, MACHINE - DOUBLE HEXAGON EXTENDED
WASHER HEAD, DRILLED, PD SHANK, CRES
UNS S17400, 140 KSI MIN .2500-28 UNJF-3A

AS9742
SHEET 3 OF 4

REV.
A