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AS9742™

FEDERAL SUPPLY CLASS
5306

RATIONALE

FIGURE REDRAWN TO AS1132 STANDARD, .015 TRANSITION RADIUS DELETED IN FIGURE, SPECS UPDATED, USAGE NOTE ADDED.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9742A, NOTICE 1. THIS SAE STANDARD MAY RETAIN THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

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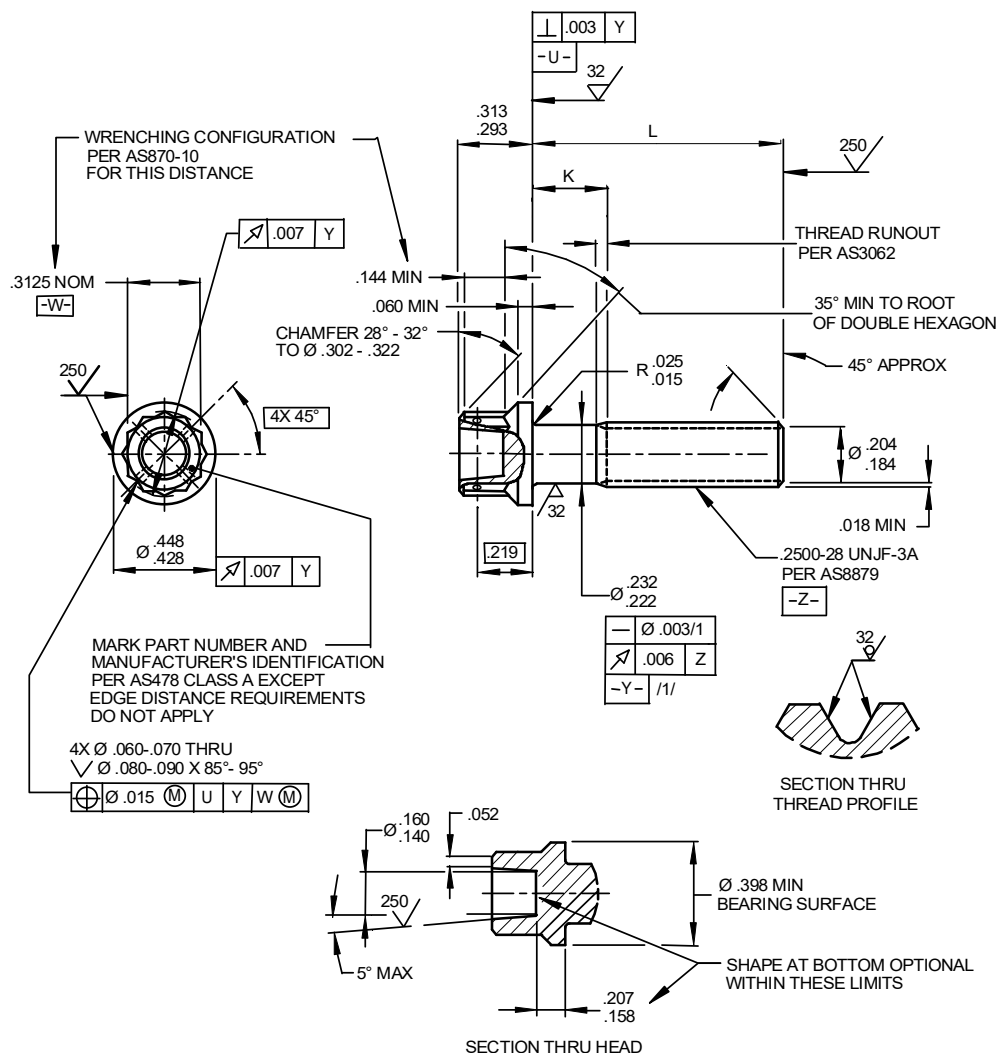
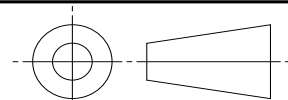


FIGURE 1

For more information on this standard, visit
<https://www.sae.org/standards/content/AS9742B/>

THIRD ANGLE PROJECTION



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

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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
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				



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