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REV.
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SAE AS9491

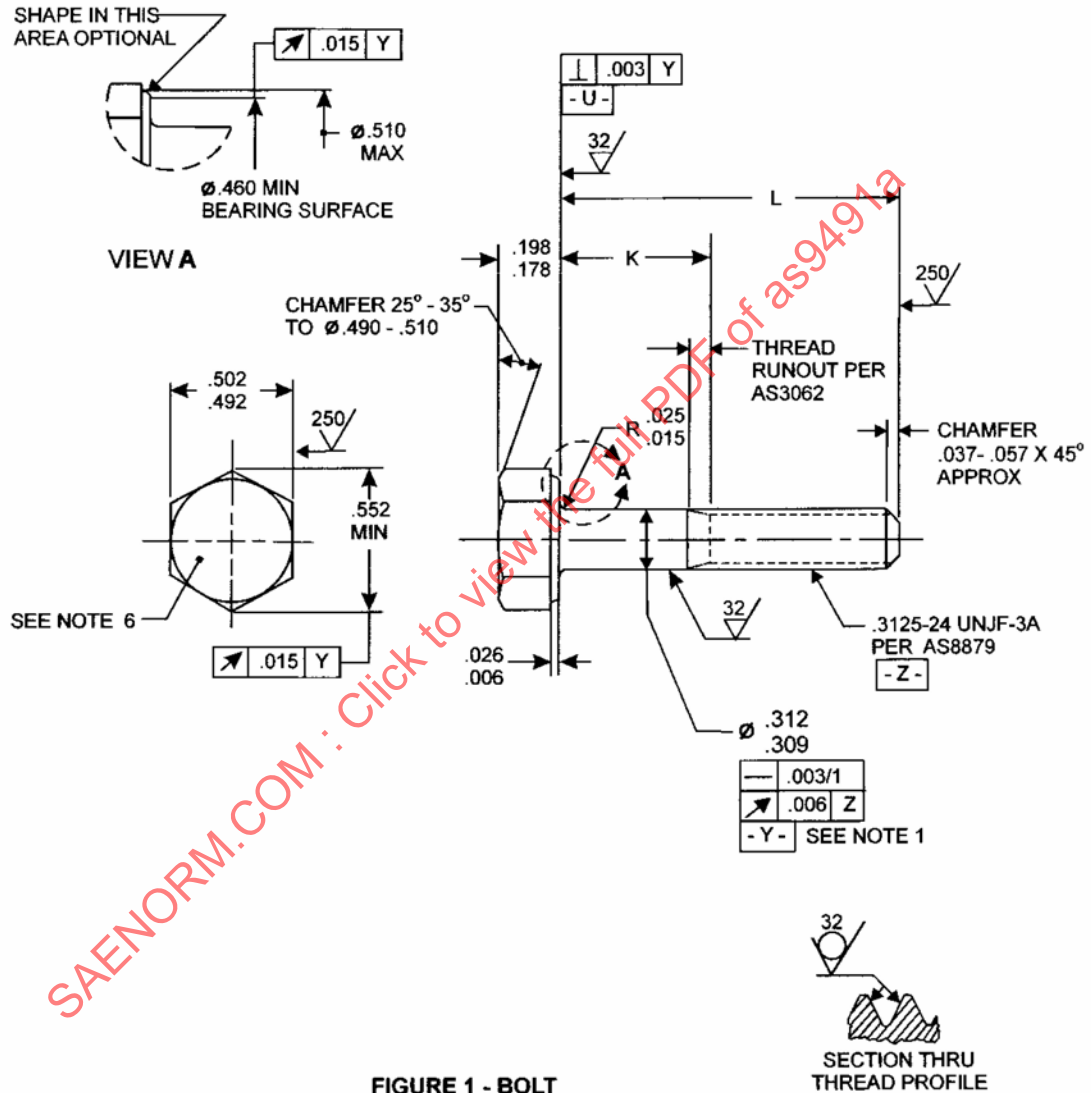
RATIONALE

FEDERAL SUPPLY CLASS
5306

AS9491A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9491A, AMENDMENT 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.



SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS9491A>

THIRD ANGLE PROJECTION

CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

BOLT, MACHINE - HEXAGON HEAD, FULL SHANK,
CORROSION AND HEAT RESISTANT STEEL,
UNS S66286, 130 KSI MIN, .3125-24 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
MS9491-04	.490 - .510	.088 - .108	2.18	MS9491-34	2.990 - 3.010	2.065 - 2.125	7.60
MS9491-05	.552 - .572	.088 - .108	2.32	MS9491-35	3.115 - 3.135	2.190 - 2.250	7.87
MS9491-06	.615 - .635	.088 - .108	2.45	MS9491-36	3.240 - 3.260	2.315 - 2.375	8.14
MS9491-07	.678 - .698	.088 - .108	2.59	MS9491-37	3.365 - 3.385	2.440 - 2.500	8.41
MS9491-08	.740 - .760	.088 - .108	2.73	MS9491-38	3.490 - 3.510	2.565 - 2.625	8.68
MS9491-09	.802 - .822	.088 - .108	2.86	MS9491-39	3.615 - 3.635	2.690 - 2.750	8.95
MS9491-10	.865 - .885	.088 - .108	3.00	MS9491-40	3.740 - 3.760	2.815 - 2.875	9.22
MS9491-11	.928 - .948	.088 - .108	3.13	MS9491-41	3.865 - 3.885	2.940 - 3.000	9.49
MS9491-12	.990 - 1.010	.088 - .125	3.27	MS9491-42	3.990 - 4.010	3.065 - 3.125	9.76
MS9491-13	1.052 - 1.072	.128 - .188	3.40	MS9491-43	4.115 - 4.135	3.190 - 3.250	10.03
MS9491-14	1.115 - 1.135	.190 - .250	3.54	MS9491-44	4.240 - 4.260	3.315 - 3.375	10.30
MS9491-15	1.178 - 1.198	.252 - .312	3.67	MS9491-45	4.365 - 4.385	3.440 - 3.500	10.57
MS9491-16	1.240 - 1.260	.315 - .375	3.81	MS9491-46	4.490 - 4.510	3.565 - 3.625	10.84
MS9491-17	1.302 - 1.322	.378 - .438	3.94	MS9491-47	4.615 - 4.635	3.690 - 3.750	11.11
MS9491-18	1.365 - 1.385	.440 - .500	4.08	MS9491-48	4.740 - 4.760	3.815 - 3.875	11.39
MS9491-19	1.428 - 1.448	.502 - .562	4.21	MS9491-49	4.865 - 4.885	3.940 - 4.000	11.66
MS9491-20	1.490 - 1.510	.565 - .625	4.35	MS9491-50	4.990 - 5.010	4.065 - 4.125	11.93
MS9491-21	1.552 - 1.572	.628 - .688	4.48	MS9491-51	5.115 - 5.135	4.190 - 4.250	12.20
MS9491-22	1.615 - 1.635	.690 - .750	4.62	MS9491-52	5.240 - 5.260	4.315 - 4.375	12.47
MS9491-23	1.678 - 1.698	.752 - .812	4.76	MS9491-53	5.365 - 5.385	4.440 - 4.500	12.74
MS9491-24	1.740 - 1.760	.815 - .875	4.89	MS9491-54	5.490 - 5.510	4.565 - 4.625	13.01
MS9491-25	1.865 - 1.885	.940 - 1.000	5.16	MS9491-55	5.615 - 5.635	4.690 - 4.750	13.28
MS9491-26	1.990 - 2.010	1.065 - 1.125	5.43	MS9491-56	5.740 - 5.760	4.815 - 4.875	13.55
MS9491-27	2.115 - 2.135	1.190 - 1.250	5.70	MS9491-57	5.865 - 5.885	4.940 - 5.000	13.82
MS9491-28	2.240 - 2.260	1.315 - 1.375	5.97	MS9491-58	5.990 - 6.010	5.065 - 5.125	14.09
MS9491-29	2.365 - 2.385	1.440 - 1.500	6.24	MS9491-59	1.802 - 1.822	.878 - .938	5.03
MS9491-30	2.490 - 2.510	1.565 - 1.625	6.51	MS9491-60	1.928 - 1.948	1.002 - 1.062	5.30
MS9491-31	2.615 - 2.635	1.690 - 1.750	6.78				
MS9491-32	2.740 - 2.760	1.815 - 1.875	7.06				
MS9491-33	2.865 - 2.885	1.940 - 2.000	7.33				