

REV. A

SAE AS9491

RATIONALE

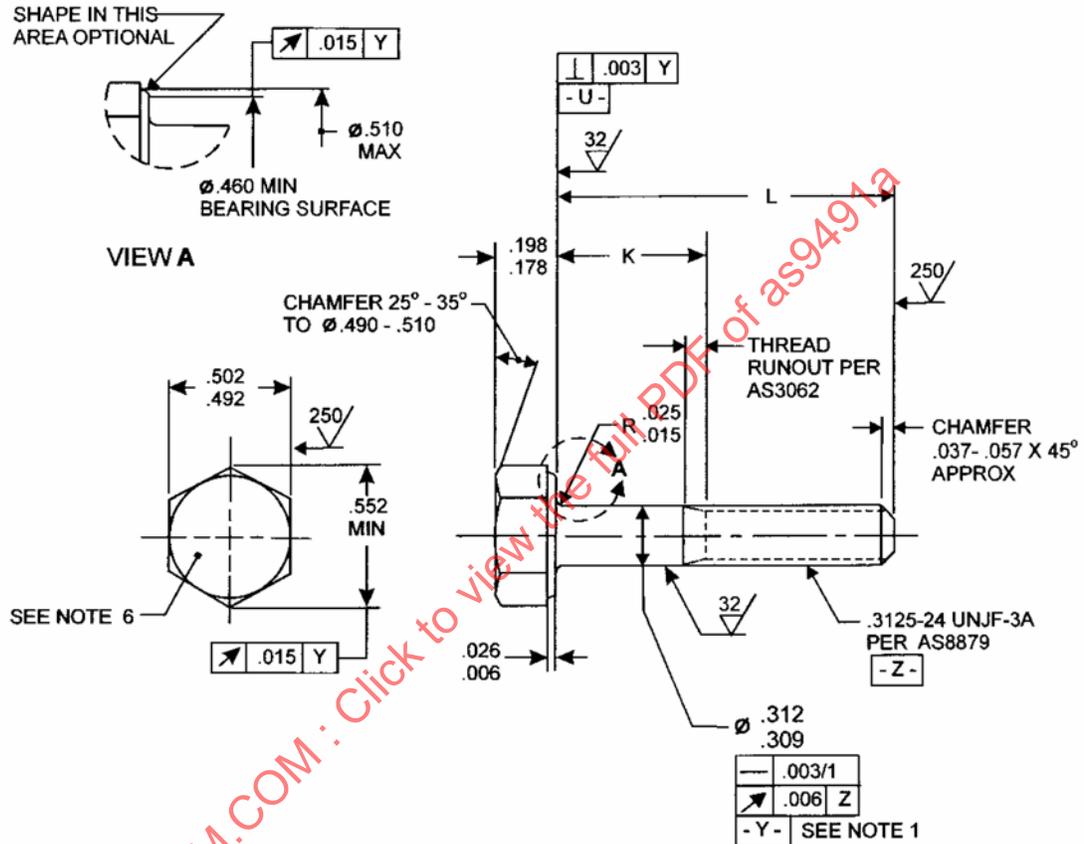
FEDERAL SUPPLY CLASS 5306

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

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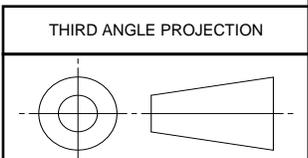
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CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

BOLT, MACHINE - HEXAGON HEAD, FULL SHANK, CORROSION AND HEAT RESISTANT STEEL, UNS S66286, 130 KSI MIN, .3125-24 UNJF-3A

SAE AS9491 SHEET 1 OF 3

REV. A

ISSUED 1998-10 REVISED 2004-06 REAFFIRMED 2012-11

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				

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