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REV.
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SAE AS9493

RATIONALE

FEDERAL SUPPLY CLASS
5306

AS9493A 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 MS9493A, AMENDMENT 1. THIS SAE STANDARD RETAINS THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

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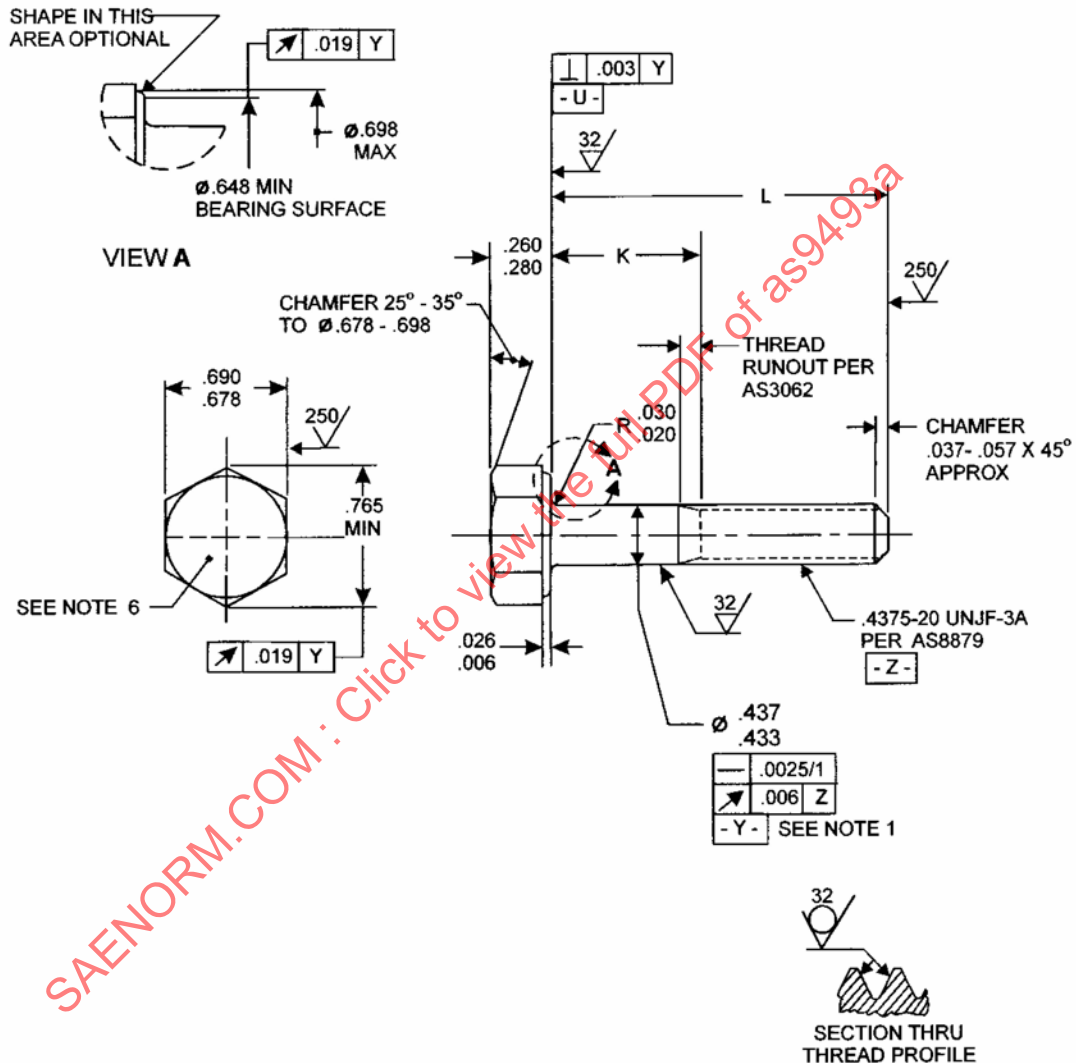
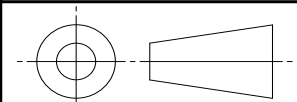


FIGURE 1 - BOLT

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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, .4375-20 UNJF-3A

SAE AS9493
SHEET 1 OF 3

REV.
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ISSUED 1999-04 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
MS9493-04	.678 - .698	.105 - .125	5.74	MS9493-31	2.990 - 3.010	1.815 - 1.875	15.57
MS9493-05	.740 - .760	.105 - .125	6.00	MS9493-32	3.115 - 3.135	1.940 - 2.000	16.10
MS9493-06	.802 - .822	.105 - .125	6.27	MS9493-33	3.240 - 3.260	2.065 - 2.125	16.63
MS9493-07	.865 - .885	.105 - .125	6.54	MS9493-34	3.365 - 3.385	2.190 - 2.250	17.16
MS9493-08	.928 - .948	.105 - .125	6.80	MS9493-35	3.490 - 3.510	2.315 - 2.375	17.69
MS9493-09	.990 - 1.010	.105 - .125	7.07	MS9493-36	3.615 - 3.635	2.440 - 2.500	18.22
MS9493-10	1.052 - 1.072	.105 - .125	7.33	MS9493-37	3.740 - 3.760	2.565 - 2.625	18.75
MS9493-11	1.115 - 1.135	.105 - .125	7.60	MS9493-38	3.865 - 3.885	2.690 - 2.750	19.29
MS9493-12	1.178 - 1.198	.105 - .125	7.97	MS9493-39	3.990 - 4.010	2.815 - 2.875	19.82
MS9493-13	1.240 - 1.260	.105 - .125	8.13	MS9493-40	4.115 - 4.135	2.940 - 3.000	20.35
MS9493-14	1.302 - 1.322	.128 - .188	8.39	MS9493-41	4.240 - 4.260	3.065 - 3.125	20.88
MS9493-15	1.365 - 1.385	.190 - .250	8.66	MS9493-42	4.365 - 4.385	3.190 - 3.250	21.41
MS9493-16	1.428 - 1.448	.252 - .312	8.93	MS9493-43	4.490 - 4.510	3.315 - 3.375	21.94
MS9493-17	1.490 - 1.510	.315 - .375	9.19	MS9493-44	4.615 - 4.635	3.440 - 3.500	22.47
MS9493-18	1.552 - 1.572	.378 - .438	9.45	MS9493-45	4.740 - 4.760	3.565 - 3.625	23.00
MS9493-19	1.615 - 1.635	.440 - .500	9.72	MS9493-46	4.865 - 4.885	3.690 - 3.750	23.64
MS9493-20	1.678 - 1.698	.502 - .562	9.99	MS9493-47	4.990 - 5.010	3.815 - 3.875	24.07
MS9493-21	1.740 - 1.760	.565 - .625	10.25	MS9493-48	5.115 - 5.135	3.940 - 4.000	24.60
MS9493-22	1.865 - 1.885	.690 - .750	10.79	MS9493-49	5.240 - 5.260	4.065 - 4.125	25.13
MS9493-23	1.990 - 2.010	.815 - .875	11.32	MS9493-50	5.365 - 5.385	4.190 - 4.250	25.66
MS9493-24	2.115 - 2.135	.940 - 1.000	11.85	MS9493-51	5.490 - 5.510	4.315 - 4.375	26.19
MS9493-25	2.240 - 2.260	1.065 - 1.125	12.38	MS9493-52	5.615 - 5.635	4.440 - 4.500	26.72
MS9493-26	2.365 - 2.385	1.190 - 1.250	12.91	MS9493-53	5.740 - 5.760	4.565 - 4.625	27.25
MS9493-27	2.490 - 2.510	1.315 - 1.375	13.44	MS9493-54	5.865 - 5.885	4.690 - 4.750	27.79
MS9493-28	2.615 - 2.635	1.440 - 1.500	13.97	MS9493-55	5.990 - 6.010	4.815 - 4.875	28.32
MS9493-29	2.740 - 2.760	1.565 - 1.625	14.50	MS9493-56	1.802 - 1.822	.628 - .688	10.52
MS9493-30	2.865 - 2.885	1.690 - 1.750	15.04	MS9493-57	1.928 - 1.948	.752 - .812	11.06

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