

REV.
A

SAE AS9494

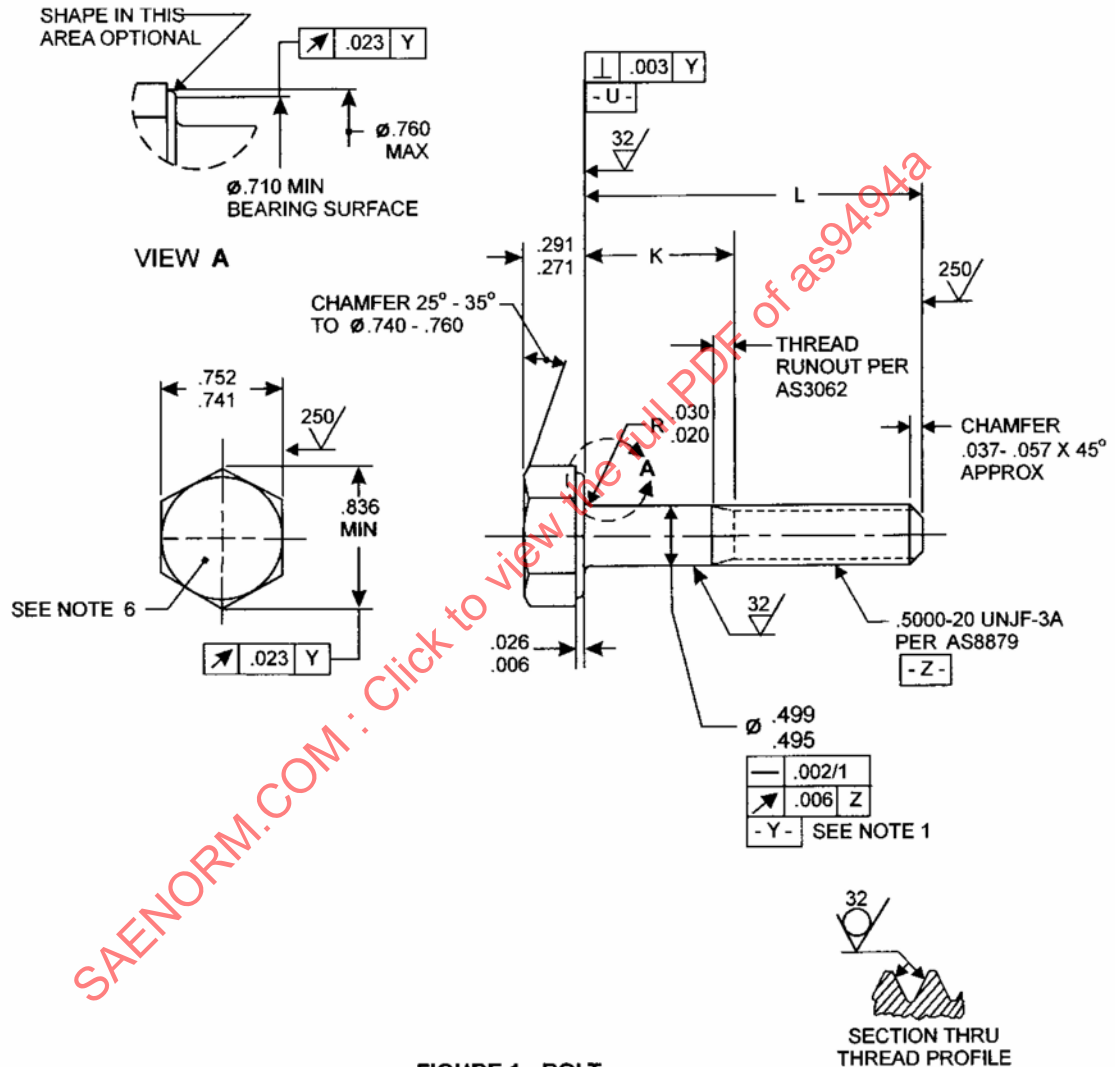
RATIONALE

FEDERAL SUPPLY CLASS
5306

AS9494A 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 MS9494A, 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/AS9494A>

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, .5000-20 UNJF-3A

SAE AS9494
SHEET 1 OF 3

REV.
A

TABLE 1 - PART NUMBERS AND DIMENSIONS.

PART NUMBER	L	K	APPROX. MASS LB/100	PART NUMBER	L	K	APPROX. MASS LB/100
MS9494-04	.802 - .822	.105 - .125	8.38	MS9494-31	3.240 - 3.260	1.940 - 2.000	21.91
MS9494-05	.865 - .885	.105 - .125	8.73	MS9494-32	3.365 - 3.385	2.065 - 2.125	22.60
MS9494-06	.928 - .948	.105 - .125	9.08	MS9494-33	3.490 - 3.510	2.190 - 2.250	23.30
MS9494-07	.990 - 1.010	.105 - .125	9.43	MS9494-34	3.615 - 3.635	2.315 - 2.375	23.99
MS9494-08	1.052 - 1.072	.105 - .125	9.77	MS9494-35	3.740 - 3.760	2.440 - 2.500	24.68
MS9494-09	1.115 - 1.135	.105 - .125	10.12	MS9494-36	3.865 - 3.885	2.565 - 2.625	25.38
MS9494-10	1.178 - 1.198	.105 - .125	10.47	MS9494-37	3.990 - 4.010	2.690 - 2.750	26.07
MS9494-11	1.240 - 1.260	.105 - .125	10.81	MS9494-38	4.115 - 4.135	2.815 - 2.875	26.76
MS9494-12	1.302 - 1.322	.105 - .125	11.16	MS9494-39	4.240 - 4.260	2.940 - 3.000	27.46
MS9494-13	1.365 - 1.385	.105 - .125	11.51	MS9494-40	4.365 - 4.385	3.065 - 3.125	28.16
MS9494-14	1.428 - 1.448	.128 - .188	11.86	MS9494-41	4.490 - 4.510	3.190 - 3.250	28.85
MS9494-15	1.490 - 1.510	.190 - .250	12.20	MS9494-42	4.615 - 4.635	3.315 - 3.375	29.54
MS9494-16	1.552 - 1.572	.252 - .312	12.54	MS9494-43	4.740 - 4.760	3.440 - 3.500	30.23
MS9494-17	1.615 - 1.635	.315 - .375	12.89	MS9494-44	4.865 - 4.885	3.565 - 3.625	30.92
MS9494-18	1.678 - 1.698	.378 - .438	13.24	MS9494-45	4.990 - 5.010	3.690 - 3.750	31.62
MS9494-19	1.740 - 1.760	.440 - .500	13.59	MS9494-46	5.115 - 5.135	3.815 - 3.875	32.31
MS9494-20	1.865 - 1.885	.565 - .625	14.28	MS9494-47	5.240 - 5.260	3.940 - 4.000	33.00
MS9494-21	1.990 - 2.010	.690 - .750	14.97	MS9494-48	5.365 - 5.385	4.065 - 4.125	33.70
MS9494-22	2.115 - 2.135	.815 - .875	15.67	MS9494-49	5.490 - 5.510	4.190 - 4.250	34.39
MS9494-23	2.240 - 2.260	.940 - 1.000	16.36	MS9494-50	5.615 - 5.635	4.315 - 4.375	35.09
MS9494-24	2.365 - 2.385	1.065 - 1.125	17.05	MS9494-51	5.740 - 5.760	4.440 - 4.500	35.78
MS9494-25	2.490 - 2.510	1.190 - 1.250	17.75	MS9494-52	5.865 - 5.885	4.565 - 4.625	36.47
MS9494-26	2.615 - 2.635	1.315 - 1.375	18.44	MS9494-53	5.990 - 6.010	4.690 - 4.750	37.17
MS9494-27	2.740 - 2.760	1.440 - 1.500	19.13	MS9494-54	1.802 - 1.822	.502 - .562	13.93
MS9494-28	2.865 - 2.885	1.565 - 1.625	19.83	MS9494-55	1.928 - 1.948	.628 - .688	14.63
MS9494-29	2.990 - 3.010	1.690 - 1.750	20.52				
MS9494-30	3.115 - 3.135	1.815 - 1.875	21.22				