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REV.
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AS9503

RATIONALE

FEDERAL SUPPLY CLASS
5306

THIS DOCUMENT HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE 5-YEAR REVIEW POLICY.

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9503A, AMENDMENT 1, NOTICE 1. THIS SAE STANDARD RETAINS THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

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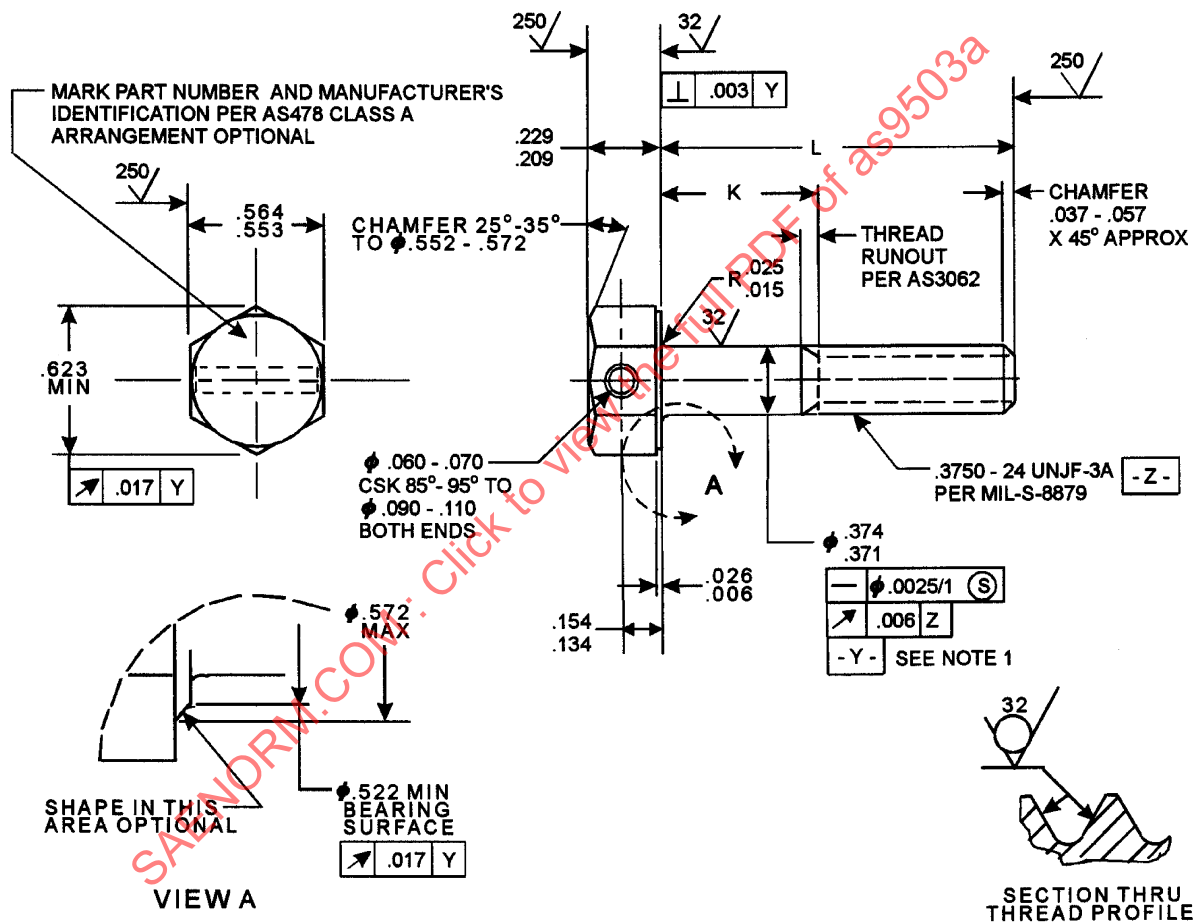
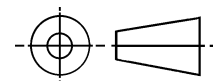


FIGURE 1 - BOLT

THIRD ANGLE PROJECTION



PREPARED BY SAE COMMITTEE E-25, GENERAL STANDARDS FOR AEROSPACE & PROPULSION SYSTEMS

SAE Aerospace
An SAE International Group

(R)

AEROSPACE STANDARD

BOLT, MACHINE - HEXAGON HEAD,
DRILLED, 1 HOLE, FULL SHANK,
CRES, UNS S66286, 130 KSI MIN,
.3750-24 UNJF-3A

AS9503
SHEET 1 OF 3

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ISSUED 1999-04 REVISED 2003-04 REAFFIRMED 2007-06

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AS9503

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX. MASS LB/100	PART NO.	L	K	APPROX. MASS LB/100
MS9503-04	.615 - .635	.088 - .108	3.59	MS9503-33	3.115 - 3.135	2.065 - 2.125	11.37
MS9503-05	.678 - .698	.088 - .108	3.79	MS9503-34	3.240 - 3.260	2.190 - 2.250	11.77
MS9503-06	.740 - .760	.088 - .108	3.98	MS9503-35	3.365 - 3.385	2.315 - 2.375	12.16
MS9503-07	.802 - .822	.088 - .108	4.17	MS9503-36	3.490 - 3.510	2.440 - 2.500	12.55
MS9503-08	.865 - .885	.088 - .108	4.37	MS9503-37	3.615 - 3.635	2.565 - 2.625	12.94
MS9503-09	.928 - .948	.088 - .108	4.57	MS9503-38	3.740 - 3.760	2.690 - 2.750	13.33
MS9503-10	.990 - 1.010	.088 - .108	4.76	MS9503-39	3.865 - 3.885	2.815 - 2.875	13.72
MS9503-11	1.052 - 1.072	.088 - .108	4.95	MS9503-40	3.990 - 4.010	2.940 - 3.000	14.11
MS9503-12	1.115 - 1.135	.088 - .125	5.15	MS9503-41	4.115 - 4.135	3.065 - 3.125	14.50
MS9503-13	1.178 - 1.198	.128 - .188	5.34	MS9503-42	4.240 - 4.260	3.190 - 3.250	14.89
MS9503-14	1.240 - 1.260	.190 - .250	5.53	MS9503-43	4.365 - 4.385	3.315 - 3.375	15.28
MS9503-15	1.302 - 1.322	.252 - .312	5.73	MS9503-44	4.490 - 4.510	3.440 - 3.500	15.67
MS9503-16	1.365 - 1.385	.315 - .375	5.93	MS9503-45	4.615 - 4.635	3.565 - 3.625	16.06
MS9503-17	1.428 - 1.448	.378 - .438	6.12	MS9503-46	4.740 - 4.760	3.690 - 3.750	16.45
MS9503-18	1.490 - 1.510	.440 - .500	6.32	MS9503-47	4.865 - 4.885	3.815 - 3.875	16.84
MS9503-19	1.552 - 1.572	.502 - .562	6.51	MS9503-48	4.990 - 5.010	3.940 - 4.000	17.23
MS9503-20	1.615 - 1.635	.565 - .625	6.71	MS9503-49	5.115 - 5.135	4.065 - 4.125	17.62
MS9503-21	1.678 - 1.698	.628 - .688	6.90	MS9503-50	5.240 - 5.260	4.190 - 4.250	18.01
MS9503-22	1.740 - 1.760	.690 - .750	7.10	MS9503-51	5.365 - 5.385	4.315 - 4.375	18.40
MS9503-23	1.865 - 1.885	.815 - .875	7.49	MS9503-52	5.490 - 5.510	4.440 - 4.500	18.79
MS9503-24	1.990 - 2.010	.940 - 1.000	7.88	MS9503-53	5.615 - 5.635	4.565 - 4.625	19.17
MS9503-25	2.115 - 2.135	1.065 - 1.125	8.27	MS9503-54	5.740 - 5.760	4.690 - 4.750	19.56
MS9503-26	2.240 - 2.260	1.190 - 1.250	8.65	MS9503-55	5.865 - 5.885	4.815 - 4.875	19.95
MS9503-27	2.365 - 2.385	1.315 - 1.375	9.04	MS9503-56	5.990 - 6.010	4.940 - 5.000	20.34
MS9503-28	2.490 - 2.510	1.440 - 1.500	9.43	MS9503-57	1.802 - 1.822	.752 - .812	7.30
MS9503-29	2.615 - 2.635	1.565 - 1.625	9.82	MS9503-58	1.928 - 1.948	.878 - .938	7.69
MS9503-30	2.740 - 2.760	1.690 - 1.750	10.21				
MS9503-31	2.865 - 2.885	1.815 - 1.875	10.60				
MS9503-32	2.990 - 3.010	1.940 - 2.000	10.99				