

REV. A

AS9523

FEDERAL SUPPLY CLASS  
5306

RATIONALE

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 MS9523A, NOTICE 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.

WARNING

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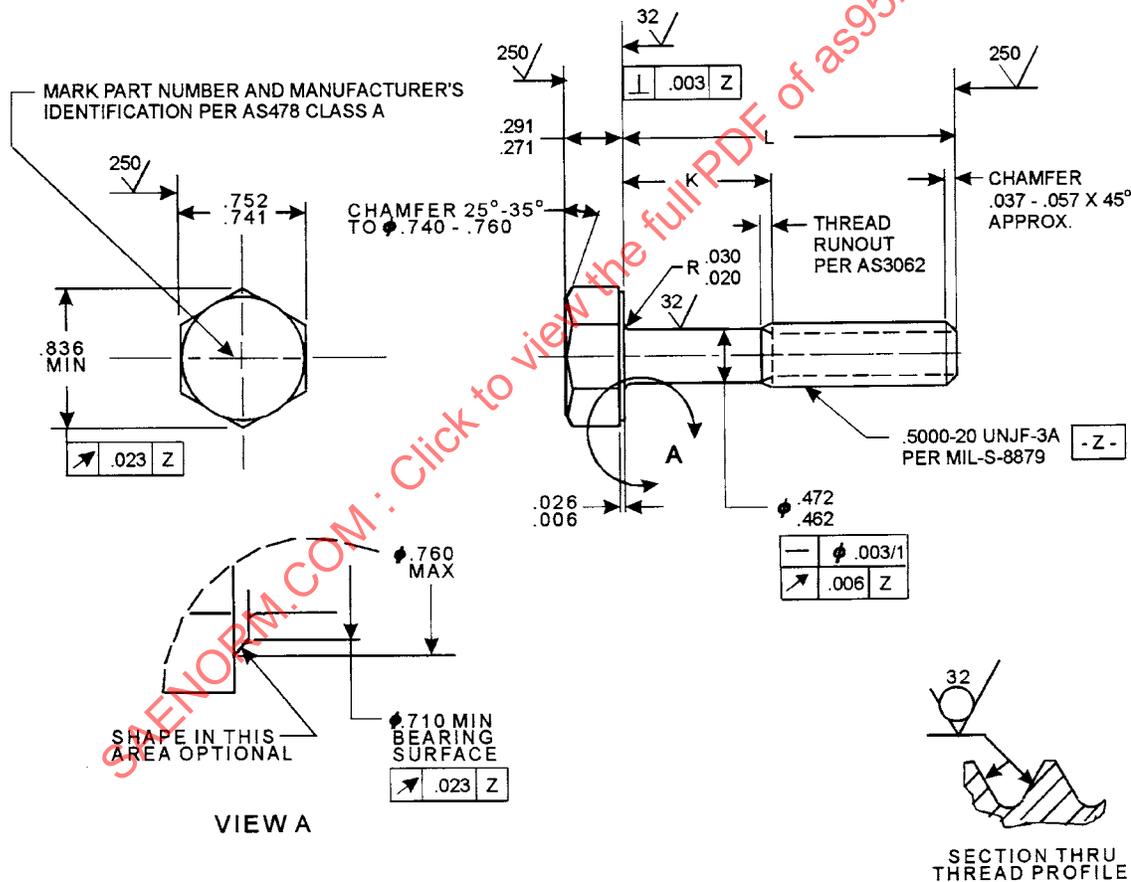


FIGURE 1 - BOLT

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

**SAE Aerospace**  
An SAE International Group

**AEROSPACE STANDARD**  
(R) BOLT, MACHINE - STEEL, CADMIUM PLATED,  
HEXAGON HEAD, UNS G87400, 125 KSI MIN,  
.5000-20 UNJF-3A

**AS9523**  
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ISSUED 1999-08 REVISED 2001-12 REAFFIRMED 2006-05

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TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX. MASS LB/100	PART NO.	L	K	APPROX. MASS LB/100
MS9523-04	.802 - .822	.105 - .125	7.77	MS9523-31	3.240 - 3.260	1.940 - 2.000	19.55
MS9523-05	.865 - .885	.105 - .125	8.07	MS9523-32	3.365 - 3.385	2.065 - 2.125	20.16
MS9523-06	.928 - .948	.105 - .125	8.37	MS9523-33	3.490 - 3.510	2.190 - 2.250	20.76
MS9523-07	.990 - 1.010	.105 - .125	8.67	MS9523-34	3.615 - 3.635	2.315 - 2.375	21.36
MS9523-08	1.052 - 1.072	.105 - .125	8.98	MS9523-35	3.740 - 3.760	2.440 - 2.500	21.97
MS9523-09	1.115 - 1.135	.105 - .125	9.28	MS9523-36	3.865 - 3.885	2.565 - 2.625	22.57
MS9523-10	1.178 - 1.198	.105 - .125	9.58	MS9523-37	3.990 - 4.010	2.690 - 2.750	23.18
MS9523-11	1.240 - 1.260	.105 - .125	9.88	MS9523-38	4.115 - 4.135	2.815 - 2.875	23.78
MS9523-12	1.302 - 1.322	.105 - .125	10.19	MS9523-39	4.240 - 4.260	2.940 - 3.000	24.38
MS9523-13	1.365 - 1.385	.105 - .125	10.49	MS9523-40	4.365 - 4.385	3.065 - 3.125	24.99
MS9523-14	1.428 - 1.448	.128 - .188	10.79	MS9523-41	4.490 - 4.510	3.190 - 3.250	25.59
MS9523-15	1.490 - 1.510	.190 - .250	11.09	MS9523-42	4.615 - 4.635	3.315 - 3.375	26.20
MS9523-16	1.552 - 1.572	.252 - .312	11.39	MS9523-43	4.740 - 4.760	3.440 - 3.500	26.80
MS9523-17	1.615 - 1.635	.315 - .375	11.70	MS9523-44	4.865 - 4.885	3.565 - 3.625	27.41
MS9523-18	1.678 - 1.698	.378 - .438	12.00	MS9523-45	4.990 - 5.010	3.690 - 3.750	28.01
MS9523-19	1.740 - 1.760	.440 - .500	12.30	MS9523-46	5.115 - 5.135	3.815 - 3.875	28.61
MS9523-20	1.865 - 1.885	.565 - .625	12.90	MS9523-47	5.240 - 5.260	3.940 - 4.000	29.22
MS9523-21	1.990 - 2.010	.690 - .750	13.51	MS9523-48	5.365 - 5.385	4.065 - 4.125	29.82
MS9523-22	2.115 - 2.235	.815 - .875	14.11	MS9523-49	5.490 - 5.510	4.190 - 4.250	30.43
MS9523-23	2.240 - 2.260	.940 - 1.000	14.72	MS9523-50	5.615 - 5.635	4.315 - 4.375	31.03
MS9523-24	2.365 - 2.385	1.065 - 1.125	15.32	MS9523-51	5.740 - 5.760	4.440 - 4.500	31.64
MS9523-25	2.490 - 2.510	1.190 - 1.250	15.93	MS9523-52	5.865 - 5.885	4.565 - 4.625	32.24
MS9523-26	2.615 - 2.635	1.315 - 1.375	16.53	MS9523-53	5.990 - 6.010	4.690 - 4.750	32.84
MS9523-27	2.740 - 2.760	1.440 - 1.500	17.13				
MS9523-28	2.865 - 2.885	1.565 - 1.625	17.74				
MS9523-29	2.990 - 3.010	1.690 - 1.750	18.34				
MS9523-30	3.115 - 3.135	1.815 - 1.875	18.95				

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