

REV. A

AS9585

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 MS9585B, 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 Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user." SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

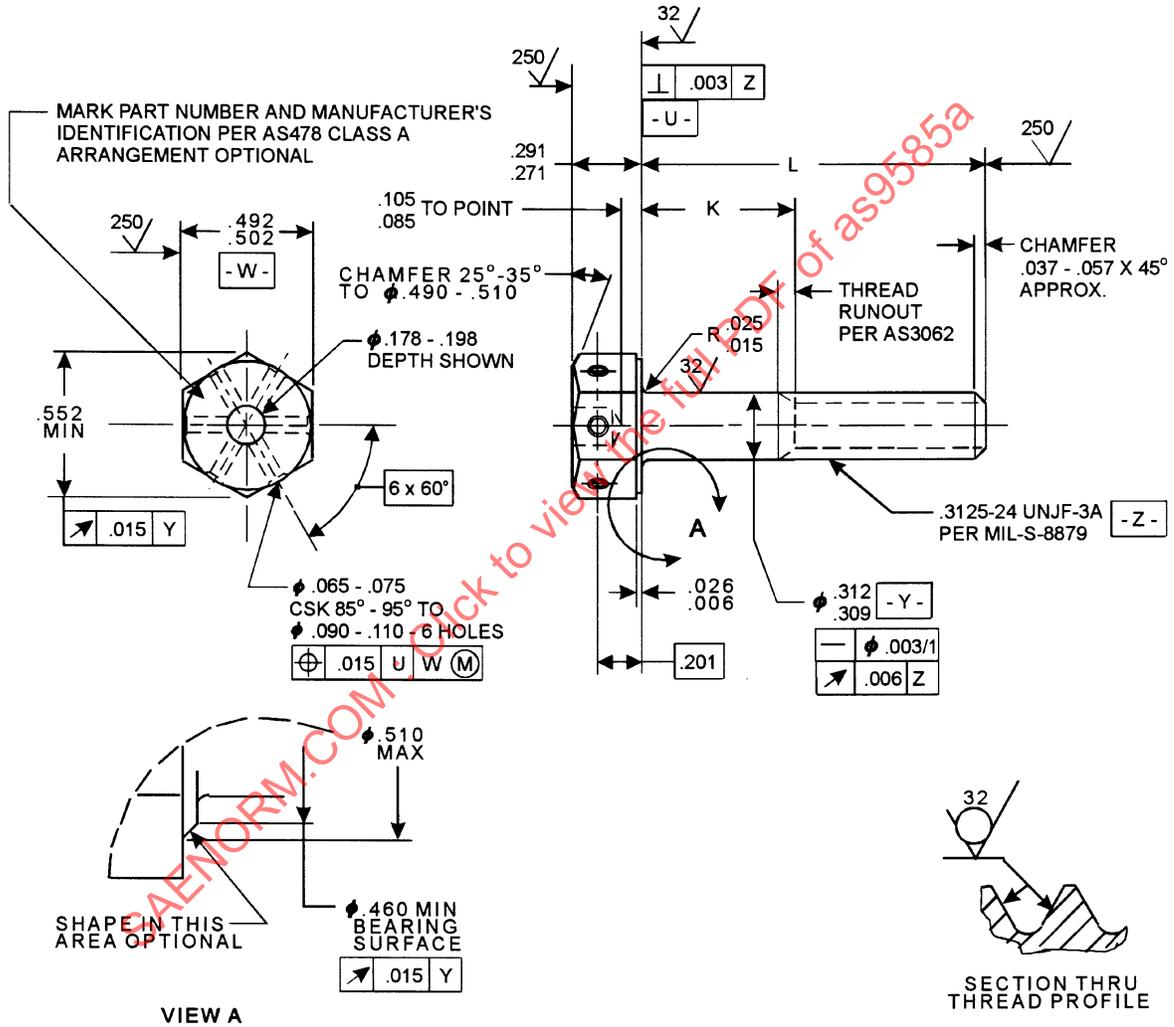
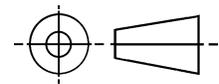


FIGURE 1 - BOLT

THIRD ANGLE PROJECTION



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

SAE Aerospace An SAE International Group

AEROSPACE STANDARD (R) BOLT, MACHINE - HEXAGON HEAD, DRILLED, 6 HOLES, FULL SHANK, UNS S66286, 130 KSI MIN, .3125-24 UNJF-3A

AS9585 SHEET 1 OF 3

REV. A

ISSUED 1999-08 REVISED 2002-03 REAFFIRMED 2007-06

REV.  
A

AS9585

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX. MASS LB/100	PART NO.	L	K	APPROX. MASS LB/100
MS9585-04	.490 - .510	.088 - .108	2.59	MS9585-34	2.990 - 3.010	2.065 - 2.125	8.01
MS9585-05	.552 - .572	.088 - .108	2.73	MS9585-35	3.115 - 3.135	2.190 - 2.250	8.28
MS9585-06	.615 - .635	.088 - .108	2.86	MS9585-36	3.240 - 3.260	2.315 - 2.375	8.55
MS9585-07	.678 - .698	.088 - .108	3.00	MS9585-37	3.365 - 3.385	2.440 - 2.500	8.82
MS9585-08	.740 - .760	.088 - .108	3.14	MS9585-38	3.490 - 3.510	2.565 - 2.625	9.09
MS9585-09	.802 - .822	.088 - .108	3.27	MS9585-39	3.615 - 3.635	2.690 - 2.750	9.36
MS9585-10	.865 - .885	.088 - .108	3.41	MS9585-40	3.740 - 3.760	2.815 - 2.875	9.63
MS9585-11	.928 - .948	.088 - .108	3.54	MS9585-41	3.865 - 3.885	2.940 - 3.000	9.90
MS9585-12	.990 - 1.010	.125 - .145	3.68	MS9585-42	3.990 - 4.010	3.065 - 3.125	10.17
MS9585-13	1.052 - 1.072	.128 - .188	3.81	MS9585-43	4.115 - 4.135	3.190 - 3.250	10.44
MS9585-14	1.115 - 1.135	.190 - .250	3.95	MS9585-44	4.240 - 4.260	3.315 - 3.375	10.71
MS9585-15	1.178 - 1.198	.252 - .312	4.08	MS9585-45	4.365 - 4.385	3.440 - 3.500	10.98
MS9585-16	1.240 - 1.260	.315 - .375	4.22	MS9585-46	4.490 - 4.510	3.565 - 3.625	11.25
MS9585-17	1.302 - 1.322	.378 - .438	4.35	MS9585-47	4.615 - 4.635	3.690 - 3.750	11.52
MS9585-18	1.365 - 1.385	.440 - .500	4.49	MS9585-48	4.740 - 4.760	3.815 - 3.875	11.80
MS9585-19	1.428 - 1.448	.502 - .562	4.62	MS9585-49	4.865 - 4.885	3.940 - 4.000	12.07
MS9585-20	1.490 - 1.510	.565 - .625	4.76	MS9585-50	4.990 - 5.010	4.065 - 4.125	12.34
MS9585-21	1.552 - 1.572	.628 - .688	4.89	MS9585-51	5.115 - 5.135	4.190 - 4.250	12.61
MS9585-22	1.615 - 1.635	.690 - .750	5.03	MS9585-52	5.240 - 5.260	4.315 - 4.375	12.88
MS9585-23	1.678 - 1.698	.752 - .812	5.17	MS9585-53	5.365 - 5.385	4.440 - 4.500	13.15
MS9585-24	1.740 - 1.760	.815 - .875	5.30	MS9585-54	5.490 - 5.510	4.565 - 4.625	13.42
MS9585-25	1.865 - 1.885	.940 - 1.000	5.57	MS9585-55	5.615 - 5.635	4.690 - 4.750	13.69
MS9585-26	1.990 - 2.010	1.065 - 1.125	5.84	MS9585-56	5.740 - 5.760	4.815 - 4.875	13.96
MS9585-27	2.115 - 2.135	1.190 - 1.250	6.11	MS9585-57	5.865 - 5.885	4.940 - 5.000	14.22
MS9585-28	2.240 - 2.260	1.315 - 1.375	6.38	MS9585-58	5.990 - 6.010	5.065 - 5.125	14.50
MS9585-29	2.365 - 2.385	1.440 - 1.500	6.65	MS9585-59	1.802 - 1.822	.878 - .938	5.44
MS9585-30	2.490 - 2.510	1.565 - 1.625	6.92	MS9585-60	1.928 - 1.948	1.002 - 1.062	5.71
MS9585-31	2.615 - 2.635	1.690 - 1.750	7.19				
MS9585-32	2.740 - 2.760	1.815 - 1.875	7.47				
MS9585-33	2.865 - 2.885	1.940 - 2.000	7.74				

**SAE Aerospace**  
An SAE International Group

(R)

**AEROSPACE STANDARD**

BOLT, MACHINE - HEXAGON HEAD, DRILLED,  
6 HOLES, FULL SHANK, UNS S66286, 130 KSI MIN,  
.3125-24 UNJF-3A

**AS9585**  
SHEET 2 OF 3

**REV.**  
**A**