

RATIONALE

FEDERAL SUPPLY CLASS
5306

AS9434B 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 MS9434(ASG), 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.

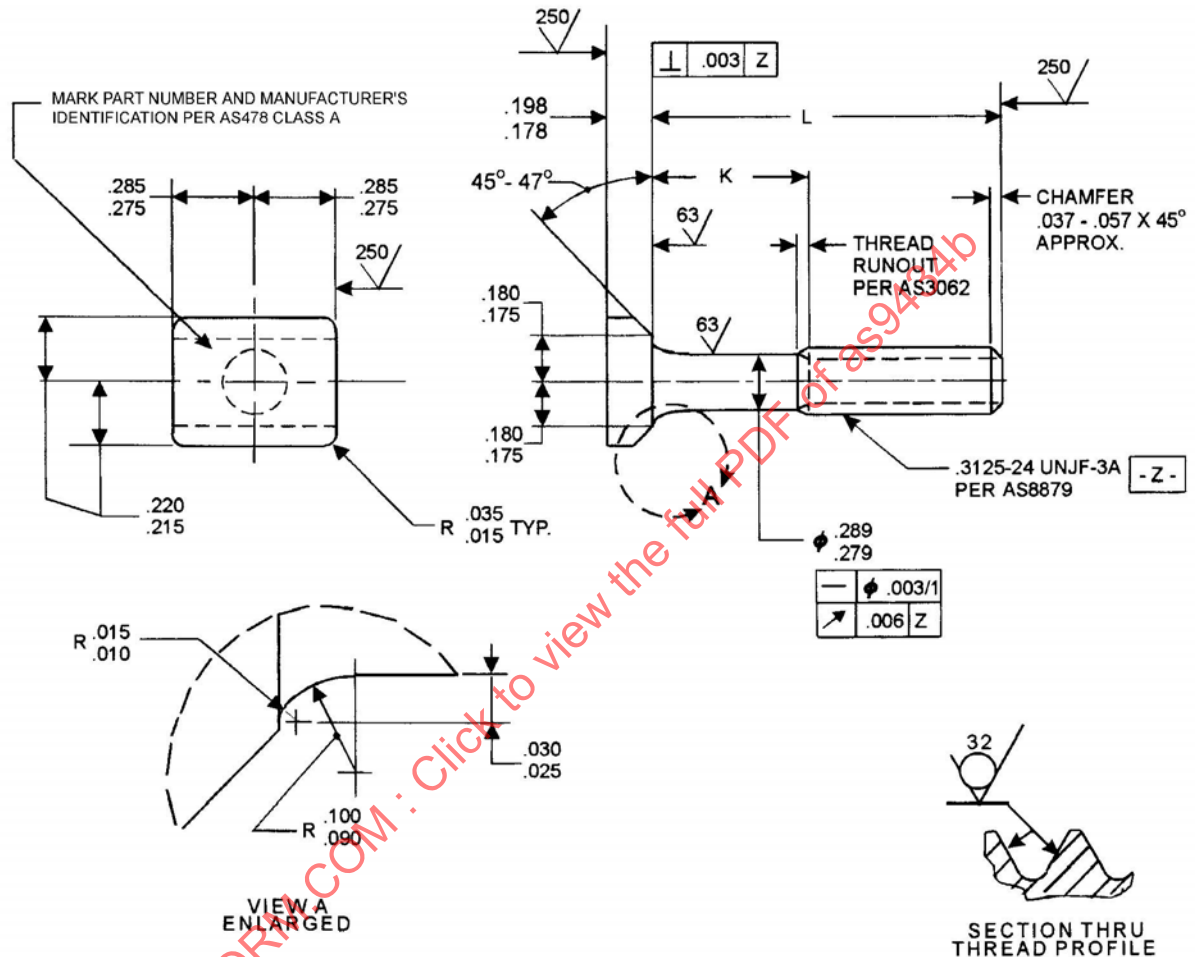
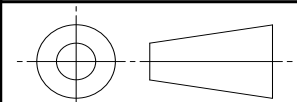


FIGURE 1 - BOLT

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS9434B>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

BOLT, TEE HEAD, CHAMFERED - CRES,
UNS S66286, 130 KSI MIN,
.3125-24 UNJF-3A

SAE AS9434
SHEET 1 OF 3

REV. B

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX. MASS LB/100	PART NO.	L	K	APPROX. MASS LB/100
MS9434-04	.490 - .510	.130 - .150	2.17	MS9434-34	2.990 - 3.010	2.065 - 2.125	6.67
MS9434-05	.552 - .572	.130 - .150	2.28	MS9434-35	3.115 - 3.135	2.190 - 2.250	6.90
MS9434-06	.615 - .635	.130 - .150	2.39	MS9434-36	3.240 - 3.260	2.315 - 2.375	7.13
MS9434-07	.678 - .698	.130 - .150	2.50	MS9434-37	3.365 - 3.385	2.440 - 2.500	7.35
MS9434-08	.740 - .760	.130 - .150	2.61	MS9434-38	3.490 - 3.510	2.565 - 2.625	7.58
MS9434-09	.802 - .822	.130 - .150	2.72	MS9434-39	3.615 - 3.635	2.690 - 2.750	7.80
MS9434-10	.865 - .885	.130 - .150	2.84	MS9434-40	3.740 - 3.760	2.815 - 2.875	8.03
MS9434-11	.928 - .948	.130 - .150	2.95	MS9434-41	3.865 - 3.885	2.940 - 3.000	8.25
MS9434-12	.990 - 1.010	.130 - .150	3.06	MS9434-42	3.990 - 4.010	3.065 - 3.125	8.48
MS9434-13	1.052 - 1.072	.130 - .150	3.18	MS9434-43	4.115 - 4.135	3.190 - 3.250	8.71
MS9434-14	1.115 - 1.135	.190 - .250	3.29	MS9434-44	4.240 - 4.260	3.315 - 3.375	8.93
MS9434-15	1.178 - 1.198	.252 - .312	3.40	MS9434-45	4.365 - 4.385	3.440 - 3.500	9.16
MS9434-16	1.240 - 1.260	.315 - .375	3.51	MS9434-46	4.490 - 4.510	3.565 - 3.625	9.38
MS9434-17	1.302 - 1.322	.378 - .438	3.63	MS9434-47	4.615 - 4.635	3.690 - 3.750	9.61
MS9434-18	1.365 - 1.385	.440 - .500	3.74	MS9434-48	4.740 - 4.760	3.815 - 3.875	9.83
MS9434-19	1.428 - 1.448	.502 - .562	3.85	MS9434-49	4.865 - 4.885	3.940 - 4.000	10.06
MS9434-20	1.490 - 1.510	.565 - .625	3.97	MS9434-50	4.990 - 5.010	4.065 - 4.125	10.29
MS9434-21	1.552 - 1.572	.628 - .688	4.08	MS9434-51	5.115 - 5.135	4.190 - 4.250	10.51
MS9434-22	1.615 - 1.635	.690 - .750	4.19	MS9434-52	5.240 - 5.260	4.315 - 4.375	10.74
MS9434-23	1.678 - 1.698	.752 - .812	4.30	MS9434-53	5.365 - 5.385	4.440 - 4.500	10.96
MS9434-24	1.740 - 1.760	.815 - .875	4.42	MS9434-54	5.490 - 5.510	4.565 - 4.625	11.19
MS9434-25	1.865 - 1.885	.940 - 1.000	4.54	MS9434-55	5.615 - 5.635	4.690 - 4.750	11.41
MS9434-26	1.990 - 2.010	1.065 - 1.125	4.87	MS9434-56	5.740 - 5.760	4.815 - 4.875	11.64
MS9434-27	2.115 - 2.135	1.190 - 1.250	5.09	MS9434-57	5.865 - 5.885	4.940 - 5.000	11.86
MS9434-28	2.240 - 2.260	1.315 - 1.375	5.32	MS9434-58	5.990 - 6.010	5.065 - 5.125	12.09
MS9434-29	2.365 - 2.385	1.440 - 1.500	5.55				
MS9434-30	2.490 - 2.510	1.565 - 1.625	5.77				
MS9434-31	2.615 - 2.635	1.690 - 1.750	6.00				
MS9434-32	2.740 - 2.760	1.815 - 1.875	6.22				
MS9434-33	2.865 - 2.885	1.940 - 2.000	6.45				

NOTES:

1. MATERIAL: CORROSION AND HEAT RESISTANT STEEL PER AMS 5732 (UNS S66286).
2. PROCUREMENT SPECIFICATION: AS7478, EXCEPT HEAD SHALL BE UPSET.
3. HEAD TO SHANK FILET SHALL BE COLD ROLLED.
4. FLUORESCENT PARTICLE INSPECTION PER ASTM E 1417, TYPE 1, SENSITIVITY LEVEL 2.
5. INCOMPLETE THREADS NOT TO ENTER FILLET.
6. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
7. BREAK SHARP EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.

SAE Aerospace An SAE International Group	AEROSPACE STANDARD	SAE AS9434 SHEET 2 OF 3	REV. B
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