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REV.
B

AS9433™

FEDERAL SUPPLY CLASS
5306

RATIONALE

AS9433B 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 MS9433, 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.

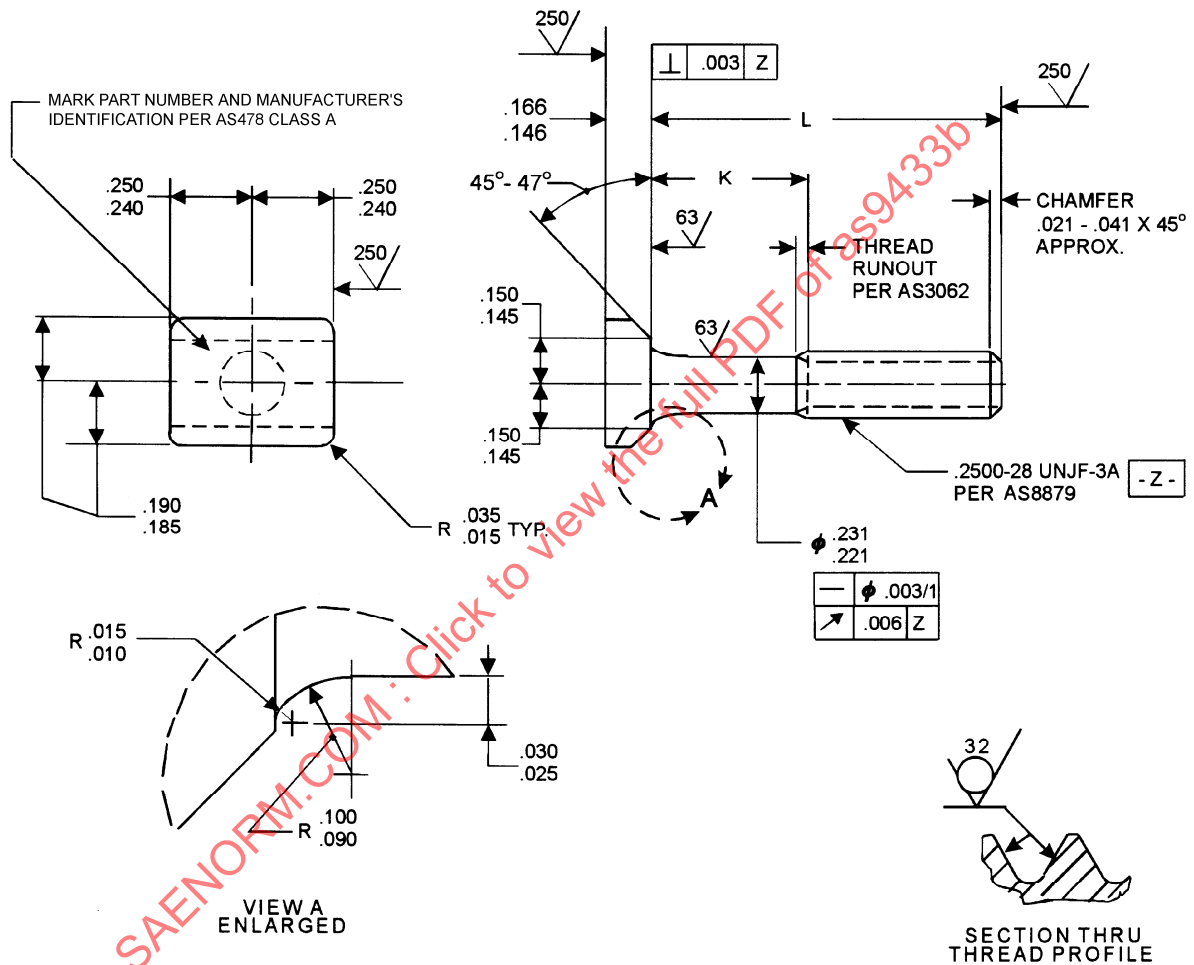
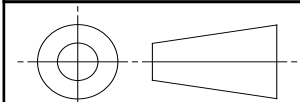


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS9433B/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

BOLT, TEE HEAD, CHAMFERED - CRES,
UNS S66286, 130 KSI MIN,
.2500-28 UNJF-3A

AS9433™
SHEET 1 OF 3

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ISSUED 1999-12 REVISED 2003-09 REAFFIRMED 2024-10

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX. MASS LB/100	PART NO.	L	K	APPROX. MASS LB/100
MS9433-05	.428 - .448	.121 - .141	1.25	MS9433-31	2.365 - 2.385	1.565 - 1.625	3.47
MS9433-06	.490 - .510	.121 - .141	1.32	MS9433-32	2.490 - 2.510	1.690 - 1.750	3.61
MS9433-07	.552 - .572	.121 - .141	1.39	MS9433-33	2.615 - 2.635	1.815 - 1.875	3.75
MS9433-08	.615 - .635	.121 - .141	1.46	MS9433-34	2.740 - 2.760	1.940 - 2.000	3.90
MS9433-09	.678 - .698	.121 - .141	1.53	MS9433-35	2.865 - 2.885	2.065 - 2.125	4.04
MS9433-10	.740 - .760	.121 - .141	1.60	MS9433-36	2.990 - 3.010	2.190 - 2.250	4.18
MS9433-11	.802 - .822	.121 - .141	1.68	MS9433-37	3.115 - 3.135	2.315 - 2.375	4.32
MS9433-12	.865 - .885	.121 - .141	1.75	MS9433-38	3.240 - 3.260	2.440 - 2.500	4.47
MS9433-13	.928 - .948	.128 - .188	1.82	MS9433-39	3.365 - 3.385	2.565 - 2.625	4.62
MS9433-14	.990 - 1.010	.190 - .250	1.89	MS9433-40	3.490 - 3.510	2.690 - 2.750	4.76
MS9433-15	1.052 - 1.072	.252 - .312	1.96	MS9433-41	3.615 - 3.635	2.815 - 2.875	4.90
MS9433-16	1.115 - 1.135	.315 - .375	2.03	MS9433-42	3.740 - 3.760	2.940 - 3.000	5.05
MS9433-17	1.178 - 1.198	.378 - .438	2.11	MS9433-43	3.865 - 3.885	3.065 - 3.125	5.19
MS9433-18	1.240 - 1.260	.440 - .500	2.18	MS9433-44	3.990 - 4.010	3.190 - 3.250	5.33
MS9433-19	1.302 - 1.322	.502 - .562	2.25	MS9433-45	4.115 - 4.135	3.315 - 3.375	5.48
MS9433-20	1.365 - 1.385	.565 - .625	2.32	MS9433-46	4.240 - 4.260	3.440 - 3.500	5.62
MS9433-21	1.428 - 1.448	.628 - .688	2.39	MS9433-47	4.365 - 4.385	3.565 - 3.625	5.76
MS9433-22	1.490 - 1.510	.690 - .750	2.46	MS9433-48	4.490 - 4.510	3.690 - 3.750	5.91
MS9433-23	1.552 - 1.572	.752 - .812	2.54	MS9433-49	4.615 - 4.635	3.815 - 3.875	6.05
MS9433-24	1.615 - 1.635	.815 - .875	2.61	MS9433-50	4.740 - 4.760	3.940 - 4.000	6.19
MS9433-25	1.678 - 1.698	.878 - .938	2.68	MS9433-51	4.865 - 4.885	4.065 - 4.125	6.34
MS9433-26	1.740 - 1.760	.940 - 1.000	2.75	MS9433-52	4.990 - 5.010	4.190 - 4.250	6.48
MS9433-27	1.865 - 1.885	1.065 - 1.125	2.89	MS9433-53	5.115 - 5.135	4.315 - 4.375	6.62
MS9433-28	1.990 - 2.010	1.190 - 1.250	3.04	MS9433-54	5.240 - 5.260	4.440 - 4.500	6.77
MS9433-29	2.115 - 2.135	1.315 - 1.375	3.18	MS9433-55	5.365 - 5.385	4.565 - 4.625	6.91
MS9433-30	2.240 - 2.260	1.440 - 1.500	3.32	MS9433-56	5.490 - 5.510	4.690 - 4.750	7.05

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.
8. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982 (ASME PUBLICATION).
9. DIMENSIONS IN INCHES.

	AEROSPACE STANDARD	AS9433™ SHEET 2 OF 3	REV. B
	BOLT, TEE HEAD, CHAMFERED - CRES, UNS S66286, 130 KSI MIN, .2500-28 UNJF-3A		