

REV.
D

AS9398™

FEDERAL SUPPLY CLASS
5306

RATIONALE

UPDATE TO ASME Y14.5-2018, REVISE LEAD THREAD CHAMFER TO AS1132, REVISE HEAD TO SHANK COMPOUND FILLET RADII TO CR, UPDATE FORMAT OF HEAD CORNER RADII CALLOUT, DELETE DIM G FROM FIGURE 1. NOTE 2 - ADD "COMPOSITION SIMILAR TO" TO UNS.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9398. THIS SAE STANDARD MAY RETAIN THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

ANY REQUIREMENTS ASSOCIATED WITH QUALIFIED PRODUCTS LISTS (QPL'S) 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.

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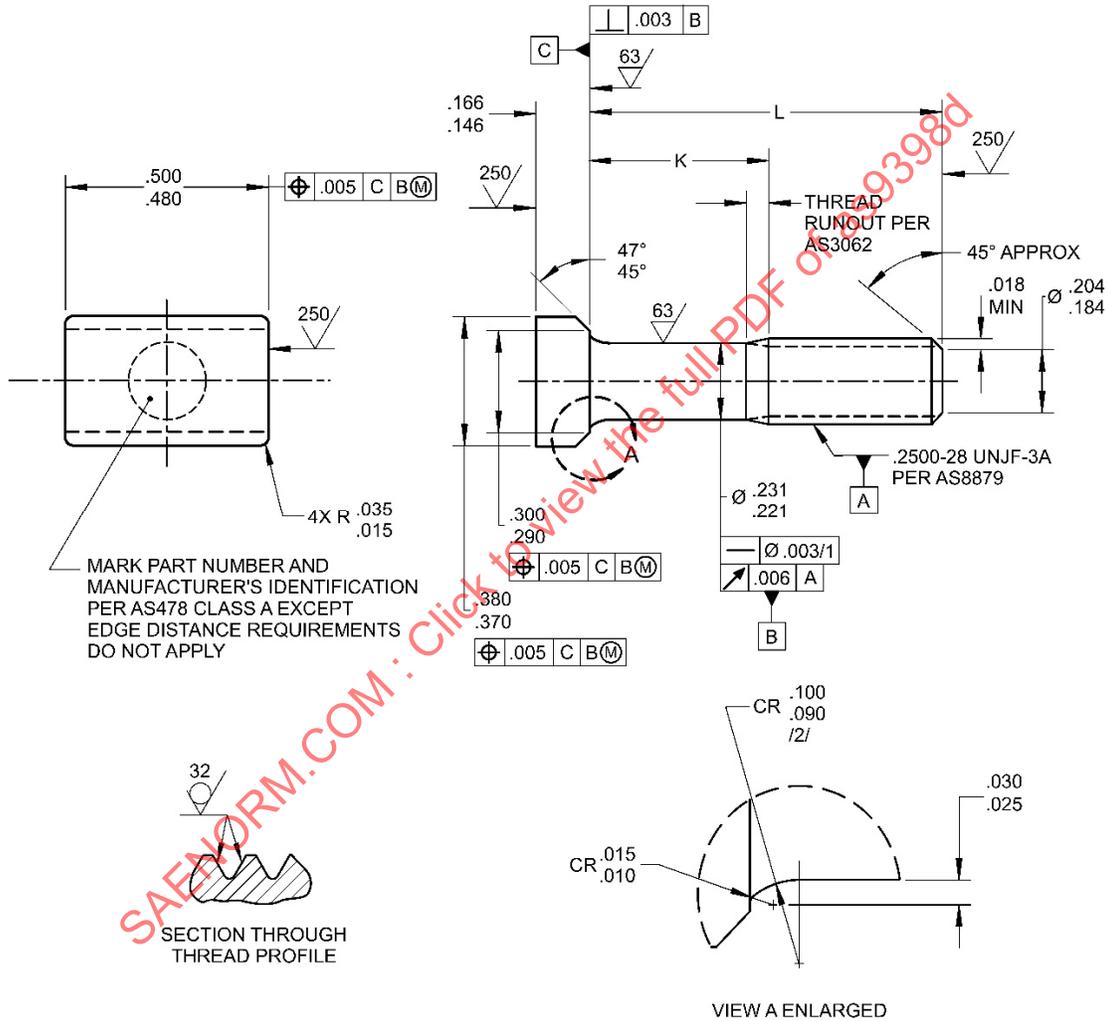
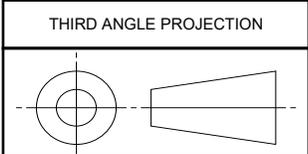


FIGURE 1 - BOLT

For more information on this standard, visit <https://www.sae.org/standards/content/AS9398D/>



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7452, I/2



AEROSPACE STANDARD

BOLT, TEE HEAD, CHAMFERED - CADMIUM PLATED, STEEL, UNS G87400, 125 KSI MIN, .2500-28 UNJF-3A

AS9398™
SHEET 1 OF 3

REV.
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ISSUED 2000-08 REAFFIRMED 2007-06 REVISED 2022-10

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NUMBER	L	K	APPROX MASS LB/100	PART NUMBER	L	K	APPROX MASS LB/100
MS9398-05	.428- .448	.121- .141	1.25	MS9398-31	2.365-2.385	1.565-1.625	3.47
MS9398-06	.490- .510	.121- .141	1.32	MS9398-32	2.490-2.510	1.690-1.750	3.61
MS9398-07	.552- .572	.121- .141	1.39	MS9398-33	2.615-2.635	1.815-1.875	3.75
MS9398-08	.615- .635	.121- .141	1.46	MS9398-34	2.740-2.760	1.940-2.000	3.90
MS9398-09	.678- .698	.121- .141	1.53	MS9398-35	2.865-2.885	2.065-2.125	4.04
MS9398-10	.740- .760	.121- .141	1.60	MS9398-36	2.990-3.010	2.190-2.250	4.18
MS9398-11	.802- .822	.121- .141	1.68	MS9398-37	3.115-3.135	2.315-2.375	4.32
MS9398-12	.865- .885	.121- .141	1.75	MS9398-38	3.240-3.260	2.440-2.500	4.47
MS9398-13	.928- .948	.128- .188	1.82	MS9398-39	3.365-3.385	2.565-2.625	4.62
MS9398-14	.990-1.010	.190- .250	1.89	MS9398-40	3.490-3.510	2.690-2.750	4.76
MS9398-15	1.052-1.072	.252- .312	1.96	MS9398-41	3.615-3.635	2.815-2.875	4.90
MS9398-16	1.115-1.135	.315- .375	2.03	MS9398-42	3.740-3.760	2.940-3.000	5.05
MS9398-17	1.178-1.198	.378- .438	2.11	MS9398-43	3.865-3.885	3.065-3.125	5.19
MS9398-18	1.240-1.260	.440- .500	2.18	MS9398-44	3.990-4.010	3.190-3.250	5.33
MS9398-19	1.302-1.322	.502- .562	2.25	MS9398-45	4.115-4.135	3.315-3.375	5.48
MS9398-20	1.365-1.385	.565- .625	2.32	MS9398-46	4.240-4.260	3.440-3.500	5.62
MS9398-21	1.428-1.448	.628- .688	2.39	MS9398-47	4.365-4.385	3.565-3.625	5.76
MS9398-22	1.490-1.510	.690- .750	2.46	MS9398-48	4.490-4.510	3.690-3.750	5.91
MS9398-23	1.552-1.572	.752- .812	2.54	MS9398-49	4.615-4.635	3.815-3.875	6.05
MS9398-24	1.615-1.635	.815- .875	2.61	MS9398-50	4.740-4.760	3.940-4.000	6.19
MS9398-25	1.678-1.698	.878- .938	2.68	MS9398-51	4.865-4.885	4.065-4.125	6.34
MS9398-26	1.740-1.760	.940-1.000	2.75	MS9398-52	4.990-5.010	4.190-4.250	6.48
MS9398-27	1.865-1.885	1.065-1.125	2.89	MS9398-53	5.115-5.135	4.315-4.375	6.62
MS9398-28	1.990-2.010	1.190-1.250	3.04	MS9398-54	5.240-5.260	4.440-4.500	6.77
MS9398-29	2.115-2.135	1.315-1.375	3.18	MS9398-55	5.365-5.385	4.565-4.625	6.91
MS9398-30	2.240-2.260	1.440-1.500	3.32	MS9398-56	5.490-5.510	4.690-4.750	7.05

NOTES:

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

1. MATERIAL: LOW ALLOY STEEL AMS6322 (COMPOSITION SIMILAR TO UNS G87400).
2. PROCUREMENT SPECIFICATION: AS7452, EXCEPT HEAD SHALL BE UPSET.
3. FINISH: CADMIUM PLATE PER AMS2400. DIMENSIONS APPLY AFTER PLATING.
4. INCOMPLETE THREADS NOT TO ENTER FILLET.
5. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICRONS Ra.
6. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
7. DIMENSIONING AND TOLERANCING PER ASME Y14.5-2018.
8. DIMENSIONS ARE IN INCHES.
9. DO NOT USE UNASSIGNED PART NUMBERS.
10. UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.

	AEROSPACE STANDARD	AS9398™ SHEET 2 OF 3	REV. D
	BOLT, TEE HEAD, CHAMFERED - CADMIUM PLATED, STEEL, UNS G87400, 125 KSI MIN, .2500-28 UNJF-3A		