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REV.
C

AS9401™

FEDERAL SUPPLY CLASS
5306

RATIONALE

FIGURE 1 REDRAWN, REVISE LEAD THREAD CHAMFER, ADD POSITION REQUIREMENTS TO HEAD DIMENSIONS, EDITORIAL REVISIONS.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9401 (ASG). 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.

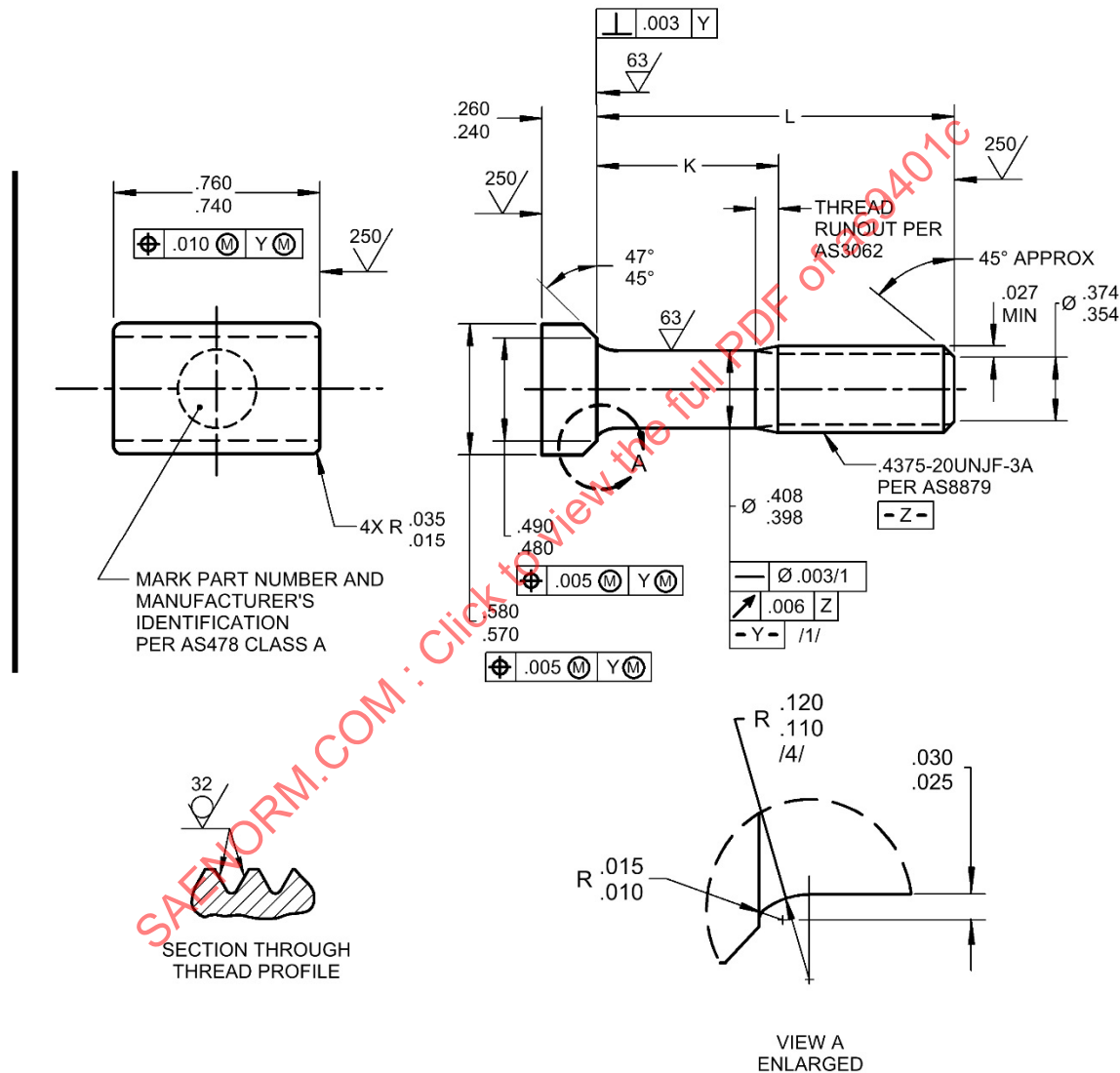
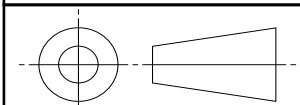


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS9401C/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7452 /3/



AEROSPACE STANDARD

BOLT, TEE HEAD - CADMIUM PLATED,
STEEL, UNS G87400, 125 KSI MIN,
CHAMFERED, .4375-20 UNJF-3A

AS9401™
SHEET 1 OF 3

REV.
C

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ISSUED 2001-10 REVISED 2021-03

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NUMBER	L	K	APPROX MASS LB/100	PART NUMBER	L	K	APPROX MASS LB/100
MS9401-06	.802- .822	.155- .175	6.23	MS9401-31	2.990-3.010	1.815-1.875	14.29
MS9401-07	.865- .885	.155- .175	6.56	MS9401-32	3.115-3.135	1.940-2.000	14.75
MS9401-08	.928- .948	.155- .175	6.78	MS9401-33	3.240-3.260	2.065-2.125	15.20
MS9401-09	.990-1.010	.155- .175	7.01	MS9401-34	3.365-3.385	2.190-2.250	15.65
MS9401-10	1.052-1.072	.155- .175	7.24	MS9401-35	3.490-3.510	2.315-2.375	16.11
MS9401-11	1.115-1.135	.155- .175	7.46	MS9401-36	3.615-3.635	2.440-2.500	16.56
MS9401-12	1.178-1.198	.155- .175	7.69	MS9401-37	3.740-3.760	2.565-2.625	17.02
MS9401-13	1.240-1.260	.155- .175	7.92	MS9401-38	3.865-3.885	2.690-2.750	17.47
MS9401-14	1.302-1.322	.155- .175	8.15	MS9401-39	3.990-4.010	2.815-2.875	17.93
MS9401-15	1.365-1.385	.190- .250	8.37	MS9401-40	4.115-4.135	2.940-3.000	18.38
MS9401-16	1.428-1.448	.252- .312	8.60	MS9401-41	4.240-4.260	3.065-3.125	18.83
MS9401-17	1.490-1.510	.315- .375	8.83	MS9401-42	4.365-4.385	3.190-3.250	19.29
MS9401-18	1.552-1.572	.378- .438	9.06	MS9401-43	4.490-4.510	3.315-3.375	19.74
MS9401-19	1.615-1.635	.440- .500	9.28	MS9401-44	4.615-4.635	3.440-3.500	20.20
MS9401-20	1.678-1.698	.502- .562	9.51	MS9401-45	4.740-4.760	3.565-3.625	20.65
MS9401-21	1.740-1.760	.565- .625	9.74	MS9401-46	4.865-4.885	3.690-3.750	21.11
MS9401-22	1.865-1.885	.690- .750	10.19	MS9401-47	4.990-5.010	3.815-3.875	21.56
MS9401-23	1.990-2.010	.815- .875	10.65	MS9401-48	5.115-5.135	3.940-4.000	22.02
MS9401-24	2.115-2.135	.940-1.000	11.10	MS9401-49	5.240-5.260	4.065-4.125	22.47
MS9401-25	2.240-2.260	1.065-1.125	11.56	MS9401-50	5.365-5.385	4.190-4.250	22.93
MS9401-26	2.365-2.385	1.190-1.250	12.01	MS9401-51	5.490-5.510	4.315-4.375	23.38
MS9401-27	2.490-2.510	1.315-1.375	12.47	MS9401-52	5.615-5.635	4.440-4.500	23.84
MS9401-28	2.615-2.635	1.440-1.500	12.92	MS9401-53	5.740-5.760	4.565-4.625	24.29
MS9401-29	2.740-2.760	1.565-1.625	13.38	MS9401-54	5.865-5.885	4.690-4.750	24.75
MS9401-30	2.865-2.885	1.690-1.750	13.83	MS9401-55	5.990-6.010	4.815-4.875	25.20

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/ FOR PART NUMBERS MS9401-06 THRU MS9401-22, DATUM Z (THREAD PD) SHALL REPLACE DATUM Y.
2. MATERIAL: LOW ALLOY STEEL AMS6322 (COMPOSITION SIMILAR TO UNS G87400).
- /3/ PROCUREMENT SPECIFICATION: AS7452, EXCEPT HEAD SHALL BE UPSET.
- /4/ HEAD TO SHANK FILLET SHALL BE COLD ROLLED.
5. FINISH: CADMIUM PLATE PER AMS2400. DIMENSIONS ARE AFTER PLATING.
6. MAGNETIC PARTICLE INSPECTION PER ASTM E1444/E1444M AFTER PLATING.
7. INCOMPLETE THREADS NOT TO ENTER FILLET.
8. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
9. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
10. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982 (ASME PUBLICATION).
11. DIMENSIONS ARE IN INCHES.

	AEROSPACE STANDARD	AS9401™ SHEET 2 OF 3	REV. C
	BOLT, TEE HEAD - CADMIUM PLATED, STEEL, UNS G87400, 125 KSI MIN, CHAMFERED, .4375-20 UNJF-3A		