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REV.
C

AS9434™

FEDERAL SUPPLY CLASS
5306

RATIONALE

REVISE LEAD THREAD CHAMFER TO AS1132. UPDATE TO ASME Y14.5-2018. REDRAW THE FIGURES FOR CLARITY. ADD NOTE FOR EXISTING INVENTORY. GENERAL EDITORIAL UPDATE.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9434(ASG), AMENDMENT 1. THIS SAE STANDARD MAY RETAIN THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

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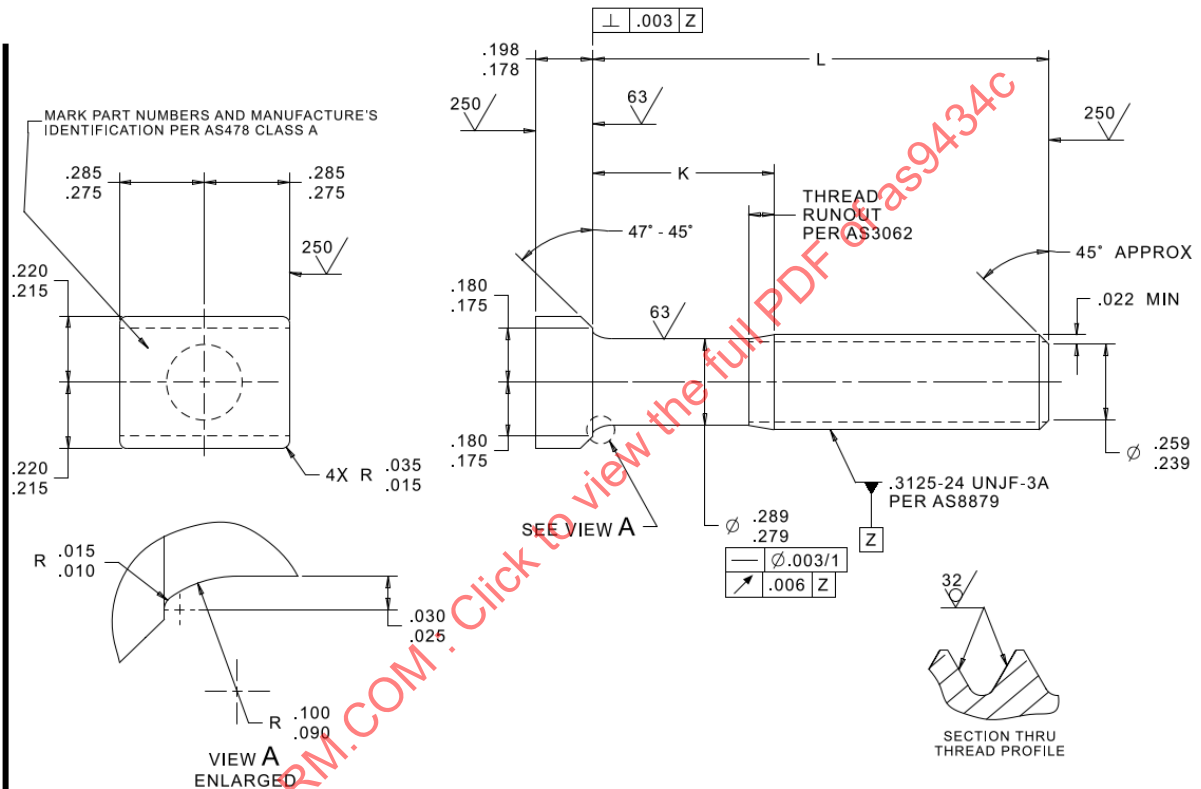


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS9434C/>

CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7478



AEROSPACE STANDARD

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

AS9434™
SHEET 1 OF 3

REV.
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ISSUED 1998-10 REAFFIRMED 2018-08 REVISED 2025-03

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				
MS9437-30	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 AMS5732 (UNS S66286).
2. PROCUREMENT SPECIFICATION: AS7478, EXCEPT HEAD SHALL BE UPSET.
3. HEAD TO SHANK FILLET SHALL BE COLD ROLLED.
4. FLUORESCENT PARTICLE INSPECTION PER ASTM E1417, 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 MICRINCHES Ra.
7. BREAK EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
8. DIMENSIONING AND TOLERANCING: ASME Y14.5-2018.

	AEROSPACE STANDARD	AS9434™ SHEET 2 OF 3	REV. C
	BOLT, TEE HEAD, CHAMFERED - CRES, UNS S66286, 130 KSI MIN, .3125-24 UNJF-3A		