

REV.
B

AS9524

FEDERAL SUPPLY CLASS
5306

RATIONALE

CADMIUM WARNING NOTE UPDATED AND THREAD SPECIFICATION REVISED TO AS8879.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9524C. 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.

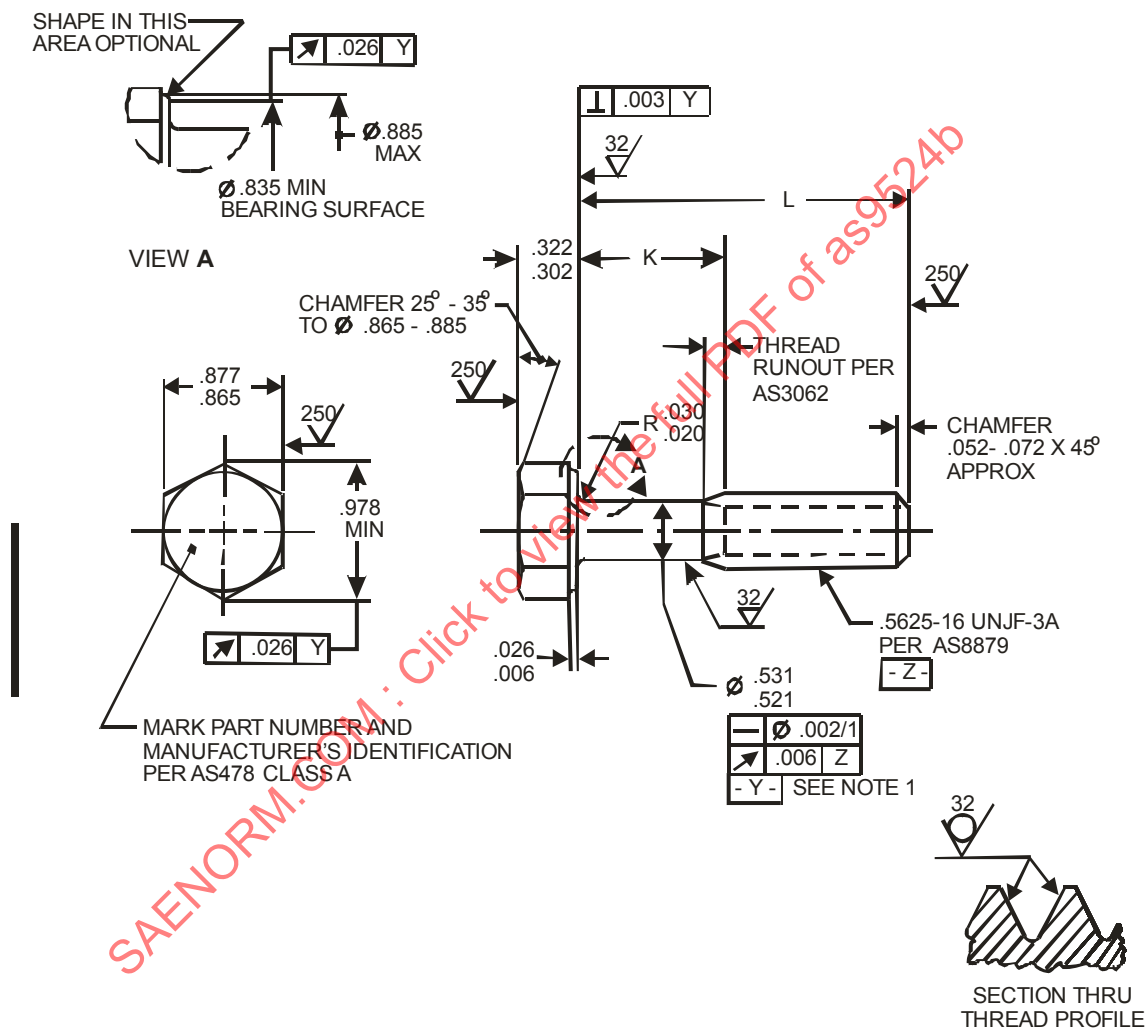


FIGURE 1 - BOLT

CUSTODIAN: SAE E-25

SAE Aerospace
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AEROSPACE STANDARD

BOLT, MACHINE - HEXAGON HEAD, STEEL,
CADMIUM PLATED, UNS G87400, 125 KSI MIN,
.5625-18 UNJF-3A

AS9524
SHEET 1 OF 3

**REV.
B**

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ISSUED 1999-04 REAFFIRMED 2007-06 REVISED 2007-09

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX. MASS LB/100	PART NO.	L	K	APPROX. MASS LB/100
MS9524-04	.865-.885	.113-.133	10.18	MS9524-31	3.240-3.260	1.815-1.875	25.73
MS9524-05	.928-.948	.113-.133	10.56	MS9524-32	3.365-3.385	1.940-2.000	26.49
MS9524-06	.990-1.010	.113-.133	11.94	MS9524-33	3.490-3.510	2.065-2.125	27.26
MS9524-07	1.052-1.072	.113-.133	12.32	MS9524-34	3.615-3.635	2.190-2.250	28.02
MS9524-08	1.115-1.135	.113-.133	12.70	MS9524-35	3.740-3.760	2.315-2.375	28.79
MS9524-09	1.178-1.198	.113-.133	13.08	MS9524-36	3.865-3.885	2.440-2.500	29.56
MS9524-10	1.240-1.260	.113-.133	13.47	MS9524-37	3.990-4.010	2.565-2.625	30.32
MS9524-11	1.302-1.322	.113-.133	13.85	MS9524-38	4.115-4.135	2.690-2.750	31.09
MS9524-12	1.365-1.385	.113-.133	14.23	MS9524-39	4.240-4.260	2.815-2.875	31.86
MS9524-13	1.428-1.448	.113-.133	14.62	MS9524-40	4.365-4.385	2.940-3.000	32.62
MS9524-14	1.490-1.510	.113-.133	15.00	MS9524-41	4.490-4.510	3.065-3.125	33.39
MS9524-15	1.552-1.572	.128-.188	15.38	MS9524-42	4.615-4.635	3.190-3.250	34.15
MS9524-16	1.615-1.635	.190-.250	15.77	MS9524-43	4.740-4.760	3.315-3.375	34.92
MS9524-17	1.678-1.698	.252-.312	16.15	MS9524-44	4.865-4.885	3.440-3.500	35.69
MS9524-18	1.740-1.760	.315-.375	16.53	MS9524-45	4.990-5.010	3.565-3.625	36.45
MS9524-19	1.802-1.822	.378-.438	16.91	MS9524-46	5.115-5.135	3.690-3.750	37.22
MS9524-20	1.865-1.885	.440-.500	17.30	MS9524-47	5.240-5.260	3.815-3.875	37.99
MS9524-21	1.990-2.010	.565-.625	18.06	MS9524-48	5.365-5.385	3.940-4.000	38.75
MS9524-22	2.115-2.135	.690-.750	18.83	MS9524-49	5.490-5.510	4.065-4.125	39.52
MS9524-23	2.240-2.260	.815-.875	19.06	MS9524-50	5.615-5.635	4.190-4.250	40.28
MS9524-24	2.365-2.385	.940-1.000	20.36	MS9524-51	5.740-5.760	4.315-4.375	41.05
MS9524-25	2.490-2.510	1.065-1.125	21.13	MS9524-52	5.865-5.885	4.440-4.500	41.82
MS9524-26	2.615-2.635	1.190-1.250	21.90	MS9524-53	5.990-6.010	4.565-4.625	42.58
MS9524-27	2.740-2.760	1.315-1.375	22.66				
MS9524-28	2.865-2.885	1.440-1.500	23.43				
MS9524-29	2.990-3.010	1.565-1.625	24.19				
MS9524-30	3.115-3.135	1.690-1.750	24.96				

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.

- FOR PART NUMBERS MS9524-04 THRU MS9524-24 THE THREAD PD (DATUM $\boxed{-Z-}$) SHALL REPLACE DATUM $\boxed{-Y-}$.
- MATERIAL: LOW ALLOY STEEL AMS 6322 (UNS G87400).
- PROCUREMENT SPECIFICATION: AS7452.
- HEAD TO SHANK FILLET RADIUS: FOR PART NUMBERS MS9524-17 AND LARGER, THE HEAD TO SHANK FILLET SHALL BE COLD ROLLED AFTER HEAT TREATMENT TO REMOVE ALL VISUAL EVIDENCE OF GRINDING OR TOOL MARKS.
- FINISH: CADMIUM PLATE PER AMS 2400. DIMENSIONS ARE AFTER PLATING.

SAE Aerospace An SAE International Group	AEROSPACE STANDARD	AS9524 SHEET 2 OF 3	REV. B
	BOLT, MACHINE - HEXAGON HEAD, STEEL, CADMIUM PLATED, UNS G87400, 125 KSI MIN, .5625-18 UNJF-3A		