

REV.
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AS9525

FEDERAL SUPPLY CLASS
5306

RATIONALE

CADMIUM WARNING NOTE UPDATED, THREAD SPECIFICATION REVISED TO AS8879, AND GEOMETRIC CONTROLS FOR SHORT LENGTH BOLTS CLARIFIED TO AGREE WITH AS1132.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9525A, NOTICE 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.

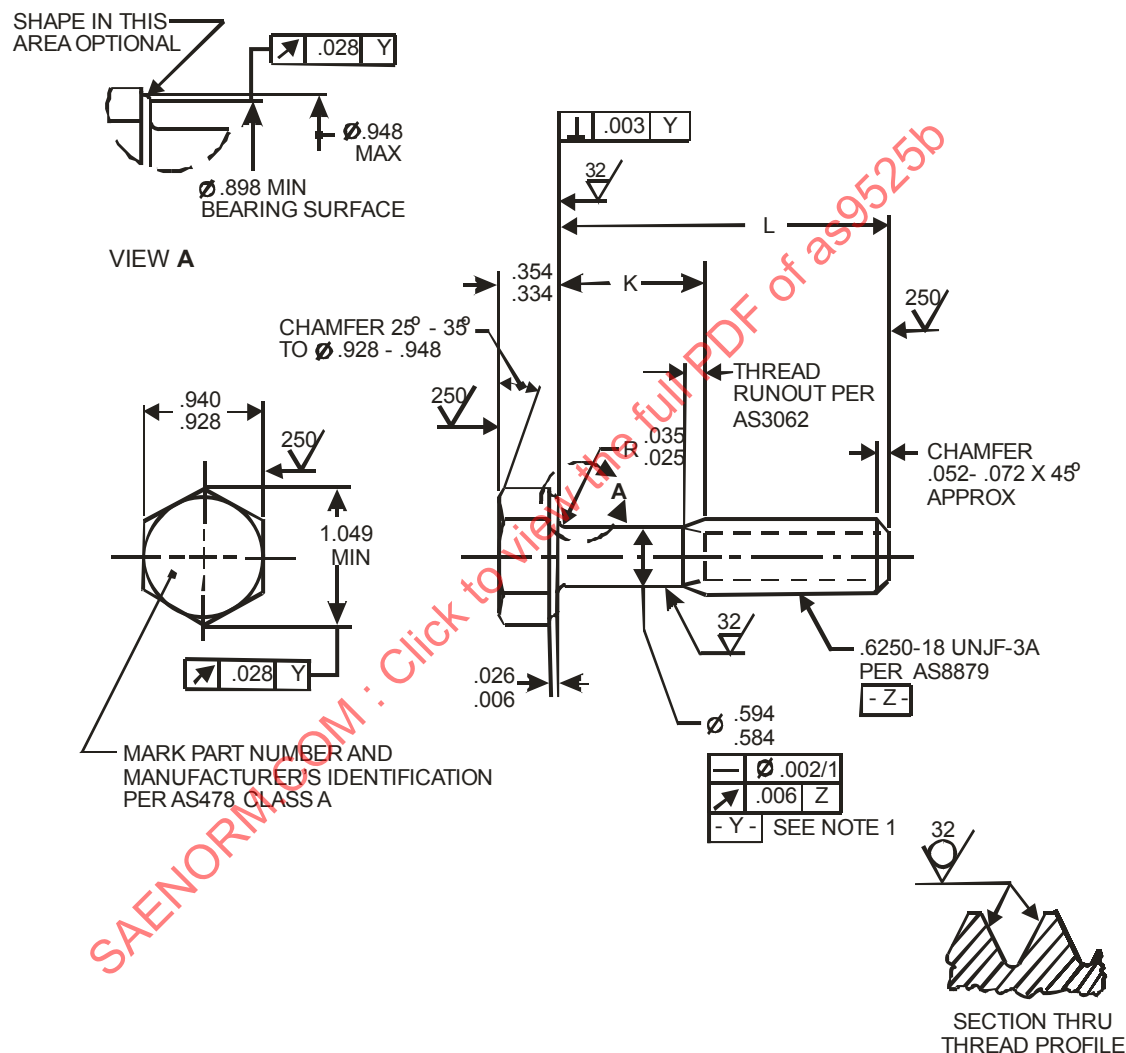


FIGURE 1 - BOLT

CUSTODIAN: SAE E-25

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

BOLT, MACHINE - STEEL, CADMIUM PLATED,
HEXAGON HEAD, UNS G87400, 125 KSI MIN,
.6250-18 UNJF-3A

AS9525
SHEET 1 OF 3

**REV.
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ISSUED 1999-08 REAFFIRMED 2006-05 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
MS9525-03	.928-.948	.118-.138	14.53	MS9525-30	3.365-3.385	1.815-1.875	33.20
MS9525-04	.990-1.010	.118-.138	15.01	MS9525-31	3.490-3.510	1.940-2.000	34.16
MS9525-05	1.052-1.072	.118-.138	15.49	MS9525-32	3.615-3.635	2.065-2.125	35.11
MS9525-06	1.115-1.135	.118-.138	15.97	MS9525-33	3.740-3.760	2.190-2.250	36.07
MS9525-07	1.178-1.198	.118-.138	16.45	MS9525-34	3.865-3.885	2.315-2.375	37.03
MS9525-08	1.240-1.260	.118-.138	16.93	MS9525-35	3.990-4.010	2.440-2.500	37.98
MS9525-09	1.302-1.322	.118-.138	17.41	MS9525-36	4.115-4.135	2.565-2.625	38.94
MS9525-10	1.365-1.385	.118-.138	17.89	MS9525-37	4.240-4.260	2.690-2.750	39.90
MS9525-11	1.428-1.448	.118-.138	18.36	MS9525-38	4.365-4.385	2.815-2.875	40.86
MS9525-12	1.490-1.510	.118-.138	18.84	MS9525-39	4.490-4.510	2.940-3.000	41.81
MS9525-13	1.552-1.572	.118-.138	19.32	MS9525-40	4.615-4.635	3.065-3.125	42.77
MS9525-14	1.615-1.635	.118-.138	19.80	MS9525-41	4.740-4.760	3.190-3.250	43.73
MS9525-15	1.678-1.698	.128-.188	20.28	MS9525-42	4.865-4.885	3.315-3.375	44.68
MS9525-16	1.740-1.760	.190-.250	20.76	MS9525-43	4.990-5.010	3.440-3.500	45.64
MS9525-17	1.802-1.822	.252-.312	21.24	MS9525-44	5.115-5.135	3.565-3.625	46.60
MS9525-18	1.865-1.885	.315-.375	21.71	MS9525-45	5.240-5.260	3.690-3.750	47.55
MS9525-19	1.990-2.010	.440-.500	22.67	MS9525-46	5.365-5.385	3.815-3.875	48.51
MS9525-20	2.115-2.135	.565-.625	23.63	MS9525-47	5.490-5.510	3.940-4.000	49.47
MS9525-21	2.240-2.260	.690-.750	24.59	MS9525-48	5.615-5.635	4.065-4.125	50.43
MS9525-22	2.365-2.385	.815-.875	25.54	MS9525-49	5.740-5.760	4.190-4.250	51.38
MS9525-23	2.490-2.510	.940-1.000	26.50	MS9525-50	5.865-5.885	4.315-4.375	52.34
MS9525-24	2.615-2.635	1.065-1.125	27.46	MS9525-51	5.990-6.010	4.440-4.500	53.30
MS9525-25	2.740-2.760	1.190-1.250	28.41				
MS9525-26	2.865-2.885	1.315-1.375	29.37				
MS9525-27	2.990-3.010	1.440-1.500	30.33				
MS9525-28	3.115-3.135	1.565-1.625	31.28				
MS9525-29	3.240-3.260	1.690-1.750	32.24				

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 MS9525-03 THRU MS9525-24 THE THREAD PD (DATUM "Z") SHALL REPLACE DATUM "Y".
- MATERIAL: LOW ALLOY STEEL AMS 6322 (UNS G87400).
- PROCUREMENT SPECIFICATION: AS7452.
- HEAD TO SHANK FILLET RADIUS: FOR PART NUMBERS MS9525-17 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.

 <i>An SAE International Group</i>	AEROSPACE STANDARD		AS9525 SHEET 2 OF 3	REV. B
	BOLT, MACHINE - STEEL, CADMIUM PLATED, HEXAGON HEAD, UNS G87400, 125 KSI MIN, .6250-18 UNJF-3A			