FEDERAL SUPPLY CLASS
5306

RATIONALE

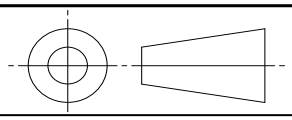
THIS DOCUMENT HAS BEEN DETERMINED TO CONTAIN BASIC AND STABLE TECHNOLOGY WHICH IS NOT DYNAMIC IN NATURE.

STABILIZED NOTICE

THIS DOCUMENT HAS BEEN DECLARED "STABILIZED" BY THE SAE E-25 GENERAL STANDARDS FOR AEROSPACE AND PROPULSION SYSTEMS COMMITTEE AND WILL NO LONGER BE SUBJECTED TO PERIODIC REVIEWS FOR CURRENCY. USERS ARE RESPONSIBLE FOR VERIFYING REFERENCES AND CONTINUED SUITABILITY OF TECHNICAL REQUIREMENTS. NEWER TECHNOLOGY MAY EXIST.

ISSUED 1999-08 REAFFIRMED 2006-05 REVISED 2007-09 STABILIZED 2015-06

THIRD ANGLE PROJECTION



SAE values your input. To provide feedback on this Technical Report, please visit
http://www.sae.org/technical/standards/AS9521C

CUSTODIAN: E-25

AEROSPACE STANDARD

BOLT, MACHINE - STEEL, CADMIUM PLATED, HEXAGON HEAD, UNS G87400, 125 KSI MIN, .3750-24 UNJF-3A

AS9521

REV. C

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NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9521A. 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.

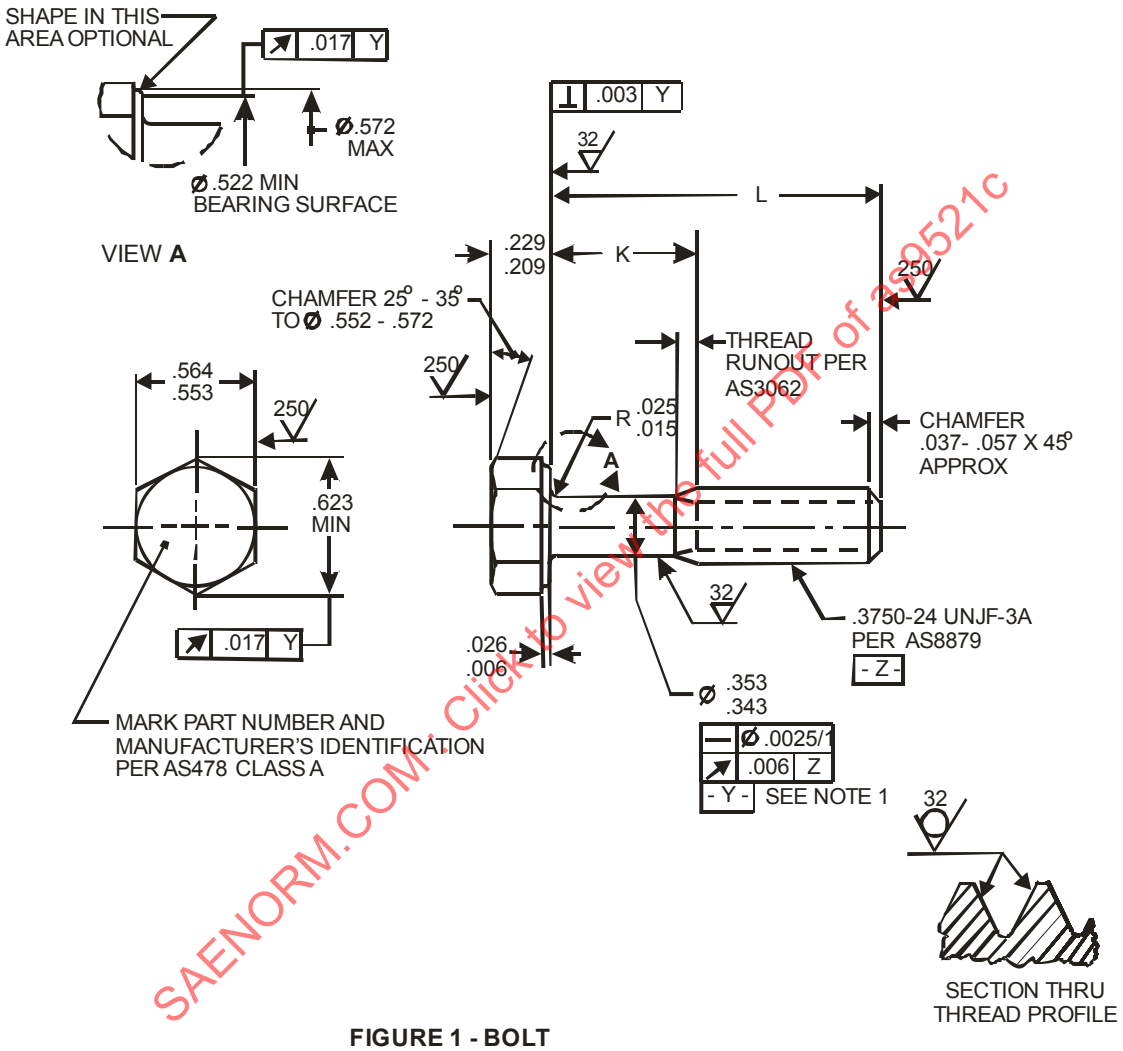

FIGURE 1 - BOLT

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX. MASS LB/100
MS9521-04	.615- .635	.088- .108	3.25
MS9521-05	.678- .698	.088- .108	3.52
MS9521-06	.740- .760	.088- .108	3.69
MS9521-07	.802- .822	.088- .108	3.86
MS9521-08	.865- .885	.088- .108	4.03
MS9521-09	.928- .948	.088- .108	4.20
MS9521-10	.990-1.010	.088- .108	4.37
MS9521-11	1.052-1.072	.088- .108	4.53
MS9521-12	1.115-1.135	.088- .125	4.70
MS9521-13	1.178-1.198	.128- .188	4.87
MS9521-14	1.240-1.260	.190- .250	5.04
MS9521-15	1.302-1.322	.252- .312	5.21
MS9521-16	1.365-1.385	.315- .375	5.37
MS9521-17	1.428-1.448	.378- .438	5.54
MS9521-18	1.490-1.510	.440- .500	5.71
MS9521-19	1.552-1.572	.502- .562	5.88
MS9521-20	1.615-1.635	.565- .625	6.05
MS9521-21	1.678-1.698	.628- .688	6.21
MS9521-22	1.740-1.760	.690- .750	6.38
MS9521-23	1.865-1.885	.815- .875	6.72
MS9521-24	1.990-2.010	.940-1.000	7.05
MS9521-25	2.115-2.135	1.065-1.125	7.39
MS9521-26	2.240-2.260	1.190-1.250	7.73
MS9521-27	2.365-2.385	1.315-1.375	8.06
MS9521-28	2.490-2.510	1.440-1.500	8.40
MS9521-29	2.615-2.635	1.565-1.625	8.73
MS9521-30	2.740-2.760	1.690-1.750	9.07

PART NO.	L	K	APPROX. MASS LB/100
MS9521-31	2.865-2.885	1.815-1.875	9.41
MS9521-32	2.990-3.010	1.940-2.000	9.74
MS9521-33	3.115-3.135	2.065-2.125	10.08
MS9521-34	3.240-3.260	2.190-2.250	10.41
MS9521-35	3.365-3.385	2.315-2.375	10.75
MS9521-36	3.490-3.510	2.440-2.500	11.09
MS9521-37	3.615-3.635	2.565-2.625	11.42
MS9521-38	3.740-3.760	2.690-2.750	11.76
MS9521-39	3.865-3.885	2.815-2.875	12.09
MS9521-40	3.990-4.010	2.940-3.000	12.43
MS9521-41	4.115-4.135	3.065-3.125	12.77
MS9521-42	4.240-4.260	3.190-3.250	13.10
MS9521-43	4.365-3.385	3.315-3.375	13.44
MS9521-44	4.490-4.510	3.440-3.500	13.77
MS9521-45	4.615-4.635	3.565-3.625	14.11
MS9521-46	4.740-4.760	3.690-3.750	14.45
MS9521-47	4.865-4.885	3.815-3.875	14.78
MS9521-48	4.990-5.010	3.940-4.000	15.12
MS9521-49	5.115-5.135	4.065-4.125	15.45
MS9521-50	5.240-5.260	4.190-4.250	15.79
MS9521-51	5.365-5.385	4.315-4.375	16.13
MS9521-52	5.490-5.510	4.440-4.500	16.46
MS9521-53	5.615-5.635	4.565-4.625	16.80
MS9521-54	5.740-5.760	4.690-4.750	17.13
MS9521-55	5.865-5.885	4.815-4.875	17.47
MS9521-56	5.990-6.010	4.940-5.000	17.81

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 MS9521-04 THRU MS9521-21 THE THREAD PD (DATUM “Z”) SHALL REPLACE DATUM “Y”.

2. MATERIAL: LOW ALLOY STEEL AMS 6322 (UNS G87400).

3. PROCUREMENT SPECIFICATION: AS7452.

4. HEAD TO SHANK FILLET RADIUS: FOR PART NUMBERS MS9521-15 AND LARGER, THE HEAD TO SHANK FILLET SHALL BE COLD ROLLED AFTER HEAT TREATMENT TO REMOVE ALL VISUAL EVIDENCE OF GRINDING OR TOOL MARKS.

5. FINISH: CADMIUM PLATE PER AMS 2400. DIMENSIONS ARE AFTER PLATING.

6. MAGNETIC PARTICLE INSPECTION PER ASTM E 1444.