FEDERAL SUPPLY CLASS
5306

RATIONALE

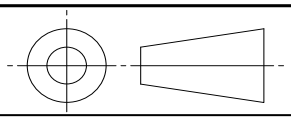
THIS DOCUMENT HAS BEEN DETERMINED TO CONTAIN BASIC AND STABLE TECHNOLOGY WHICH IS NOT DYNAMIC IN NATURE.

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 1999-04 REVISED 2007-07 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/AS9519C

CUSTODIAN: E-25

AEROSPACE STANDARD

BOLT, MACHINE - HEXAGON HEAD, STEEL, CADMIUM PLATED, UNS G87400, 125 KSI MIN, .2500-28 UNJF-3A

AS9519 **REV. C**

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NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9519A. 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.

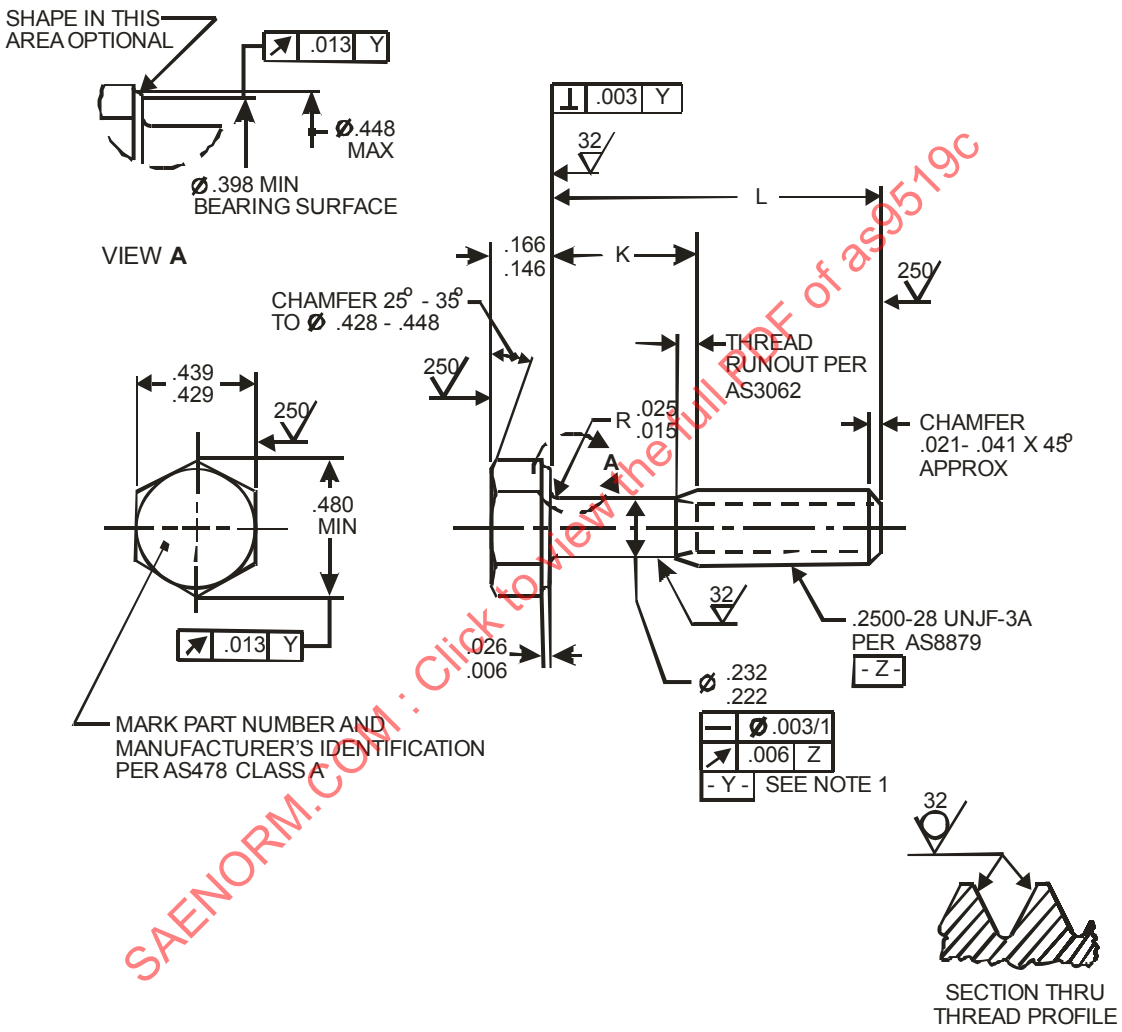

FIGURE 1 - BOLT

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX. MASS LB/100
MS9519-04	.365- .385	.079- .099	1.16
MS9519-05	.428- .448	.079- .099	1.23
MS9519-06	.490- .510	.079- .099	1.30
MS9519-07	.552- .572	.079- .099	1.37
MS9519-08	.615- .635	.079- .099	1.44
MS9519-09	.678- .698	.079- .099	1.51
MS9519-10	.740- .760	.079- .099	1.58
MS9519-11	.802- .822	.079- .099	1.66
MS9519-12	.865- .885	.079- .125	1.73
MS9519-13	.928- .948	.128- .188	1.80
MS9519-14	.990-1.010	.190- .250	1.87
MS9519-15	1.052-1.072	.252- .312	1.94
MS9519-16	1.115-1.135	.315- .375	2.01
MS9519-17	1.178-1.198	.378- .438	2.09
MS9519-18	1.240-1.260	.440- .500	2.16
MS9519-19	1.302-1.322	.502- .562	2.23
MS9519-20	1.365-1.385	.565- .625	2.30
MS9519-21	1.428-1.448	.628- .688	2.37
MS9519-22	1.490-1.510	.690- .750	2.44
MS9519-23	1.552-1.572	.752- .812	2.52
MS9519-24	1.615-1.635	.815- .875	2.59
MS9519-25	1.678-1.698	.878- .938	2.66
MS9519-26	1.740-1.760	.940-1.000	2.73
MS9519-27	1.865-1.885	1.065-1.125	2.87
MS9519-28	1.990-2.010	1.190-1.250	3.02
MS9519-29	2.115-2.135	1.315-1.375	3.16
MS9519-30	2.240-2.260	1.440-1.500	3.30
MS9519-31	2.365-2.385	1.565-1.625	3.45
MS9519-32	2.490-2.510	1.690-1.750	3.59
MS9519-33	2.615-2.635	1.815-1.875	3.73
MS9519-34	2.740-2.760	1.940-2.000	3.88
MS9519-35	2.865-2.885	2.065-2.125	4.02
MS9519-36	2.990-3.010	2.190-2.250	4.16
MS9519-37	3.115-3.135	2.315-2.375	4.31
MS9519-38	3.240-3.260	2.440-2.500	4.45
MS9519-39	3.365-3.385	2.565-2.625	4.60
MS9519-40	3.490-3.510	2.690-2.750	4.74
MS9519-41	3.615-3.635	2.815-2.875	4.88
MS9519-42	3.740-3.760	2.940-3.000	5.03
MS9519-43	3.865-3.885	3.065-3.125	5.17
MS9519-44	3.990-4.010	3.190-3.250	5.31
MS9519-45	4.115-4.135	3.315-3.375	5.46
MS9519-46	4.240-4.260	3.440-3.500	5.60
MS9519-47	4.365-4.385	3.565-3.625	5.74
MS9519-48	4.490-4.510	3.690-3.750	5.89
MS9519-49	4.615-4.635	3.815-3.875	6.03
MS9519-50	4.740-4.760	3.940-4.000	6.17
MS9519-51	4.865-4.885	4.065-4.125	6.32
MS9519-52	4.990-5.010	4.190-4.250	6.46
MS9519-53	5.115-5.135	4.315-4.375	6.60
MS9519-54	5.240-5.260	4.440-4.500	6.75
MS9519-55	5.365-5.385	4.565-4.625	6.89
MS9519-56	5.490-5.510	4.690-4.750	7.03
MS9519-57	5.615-5.635	4.815-4.875	7.18
MS9519-58	5.740-5.760	4.940-5.000	7.32
MS9519-59	5.865-5.885	5.065-5.125	7.46
MS9519-60	5.990-6.010	5.190-5.250	7.61

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 MS9519-04 THRU MS9519-18 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 MS9519-15 AND LARGER, THE HEAD TO SHANK FILLET SHALL BE COLD ROLLED AFTER HEAT TREATMENT TO REMOVE ALL VISUAL EVIDENCE OF GRINDING OR TOOL MARKS.