

REV. B

SAE AS9209

RATIONALE

FEDERAL SUPPLY CLASS 4030

GENERAL REVISION TO ALLOW OPTIONAL SHAPE AT BOTTOM OF LIGHTENING HOLE, ADD EXCEPTION TO EDGE DISTANCE REQUIREMENTS FOR HEAD MARKING, RELOCATE RUNOUT REQUIREMENT FOR WRENCHING ELEMENT, UPDATE THREAD SPECIFICATION TO AS8879, ADD SURFACE FINISH REQUIREMENT FOR END, ADD AS3062 FOR INCOMPLETE THREAD REQUIREMENTS, ADD DATUM REQUIREMENTS FOR -.04 THRU -.16 LENGTHS (NEW NOTE 1), AND ADD CADMIUM NOTICE.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9209, 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.

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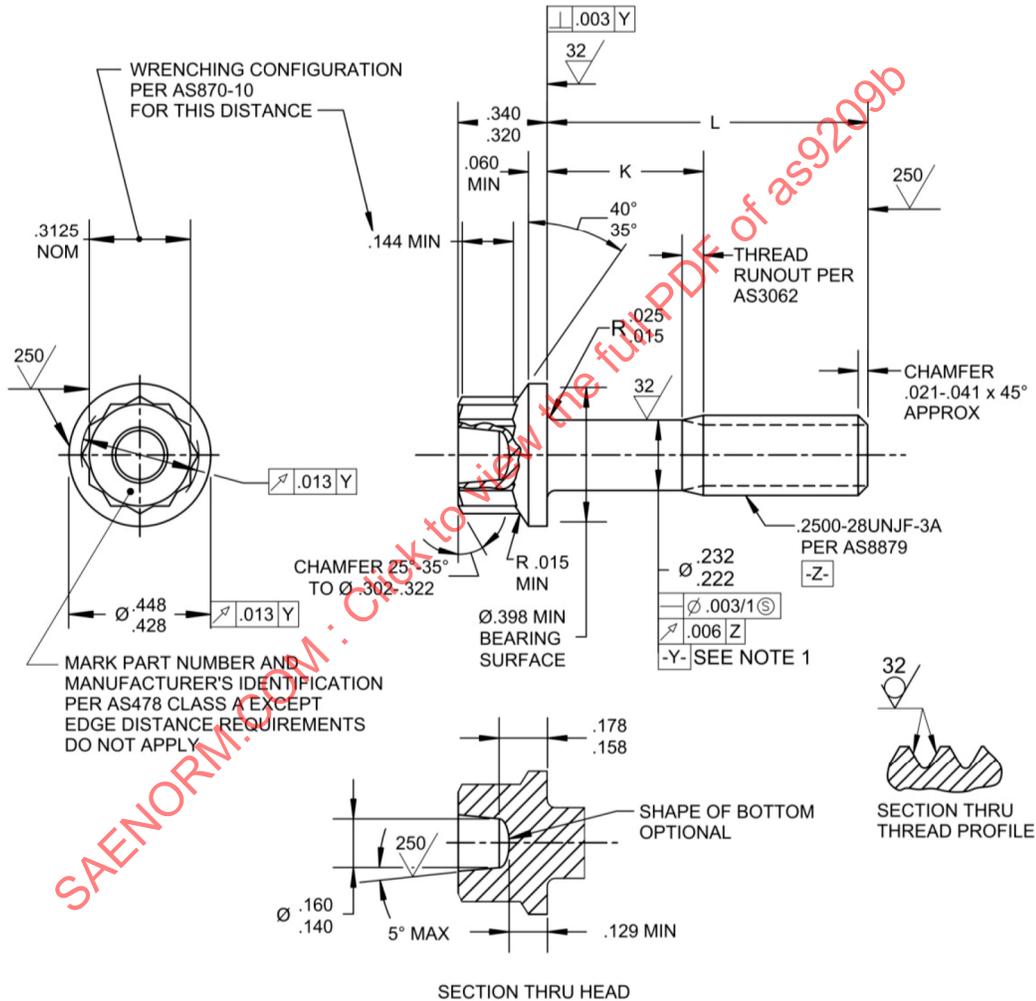
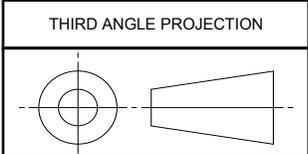


FIGURE 1 - BOLT

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS9209B>



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7459

SAE Aerospace An SAE International Group

AEROSPACE STANDARD

BOLT, MACHINE - STEEL, DIFFUSED NICKEL-CADMIUM PLATED, DOUBLE HEXAGON EXTENDED WASHER HEAD, UNS K14675, 195 KSI MIN, .2500-28 UNJF-3A

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ISSUED 1999-12 REVISED 2011-08

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX. MASS LB/100	PART NO.	L	K	APPROX. MASS LB/100.
MS9209-04	.365-.385	.079-.099	1.14	MS9209-34	2.740-2.760	1.940-2.000	3.85
MS9209-05	.428-.448	.079-.099	1.21	MS9209-35	2.865-2.885	2.065-2.125	4.00
MS9209-06	.490-.510	.079-.099	1.29	MS9209-36	2.990-3.010	2.190-2.250	4.14
MS9209-07	.552-.572	.079-.099	1.36	MS9209-37	3.115-3.135	2.315-2.375	4.29
MS9209-08	.615-.635	.079-.099	1.44	MS9209-38	3.240-3.260	2.440-2.500	4.43
MS9209-09	.678-.698	.079-.099	1.51	MS9209-39	3.365-3.385	2.565-2.625	4.58
MS9209-10	.740-.760	.079-.099	1.58	MS9209-40	3.490-3.510	2.690-2.750	4.72
MS9209-11	.802-.822	.079-.099	1.65	MS9209-41	3.615-3.635	2.815-2.875	4.85
MS9209-12	.865-.885	.125-.145	1.72	MS9209-42	3.740-3.760	2.940-3.000	4.99
MS9209-13	.928-.948	.128-.188	1.79	MS9209-43	3.865-3.885	3.065-3.125	5.13
MS9209-14	.990-1.010	.190-.250	1.86	MS9209-44	3.990-4.010	3.190-3.250	5.27
MS9209-15	1.052-1.072	.252-.312	1.93	MS9209-45	4.115-4.135	3.315-3.375	5.42
MS9209-16	1.115-1.135	.315-.375	2.00	MS9209-46	4.240-4.260	3.440-3.500	5.56
MS9209-17	1.178-1.198	.378-.438	2.08	MS9209-47	4.365-4.385	3.565-3.625	5.71
MS9209-18	1.240-1.260	.440-.500	2.15	MS9209-48	4.490-4.510	3.690-3.750	5.85
MS9209-19	1.302-1.322	.502-.562	2.22	MS9209-49	4.615-4.635	3.815-3.875	6.00
MS9209-20	1.365-1.385	.565-.625	2.29	MS9209-50	4.740-4.760	3.940-4.000	6.14
MS9209-21	1.428-1.448	.628-.688	2.36	MS9209-51	4.865-4.885	4.065-4.125	6.29
MS9209-22	1.490-1.510	.690-.750	2.43	MS9209-52	4.990-5.010	4.190-4.250	6.43
MS9209-23	1.552-1.572	.752-.812	2.50	MS9209-53	5.115-5.135	4.315-4.375	6.56
MS9209-24	1.615-1.635	.815-.875	2.57	MS9209-54	5.240-5.260	4.440-4.500	6.70
MS9209-25	1.678-1.698	.878-.938	2.64	MS9209-55	5.365-5.385	4.565-4.625	6.84
MS9209-26	1.740-1.760	.940-1.000	2.72	MS9209-56	5.490-5.510	4.690-4.750	6.99
MS9209-27	1.865-1.885	1.065-1.125	2.86	MS9209-57	5.615-5.635	4.815-4.875	7.13
MS9209-28	1.990-2.010	1.190-1.250	3.00	MS9209-58	5.740-5.760	4.940-5.000	7.28
MS9209-29	2.115-2.135	1.315-1.375	3.14	MS9209-59	5.865-5.885	5.065-5.125	7.42
MS9209-30	2.240-2.260	1.440-1.500	3.29	MS9209-60	5.990-6.010	5.190-5.250	7.57
MS9209-31	2.365-2.385	1.565-1.625	3.43				
MS9209-32	2.490-2.510	1.690-1.750	3.57				
MS9209-33	2.615-2.635	1.815-1.875	3.71				

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

NOTES:

- FOR PART NUMBERS MS9209-04 THRU MS9209-16 THE THREAD PD (DATUM -Z-) SHALL REPLACE DATUM -Y-.
- MATERIAL: LOW ALLOY STEEL AMS6304 (UNS K14675).
- PROCUREMENT SPECIFICATION: AS7459.
- HARDNESS: 42-46 HRC.
- FINISH: DIFFUSED NICKEL-CADMIUM PLATE AMS2416. DIMENSIONS ARE AFTER PLATING. CONTACT POINTS PERMISSIBLE. PD MAY BE REDUCED .0012 MAXIMUM BEFORE PLATING.

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