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SAE AS9210

FEDERAL SUPPLY CLASS
5970

RATIONALE

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

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

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9210, 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.

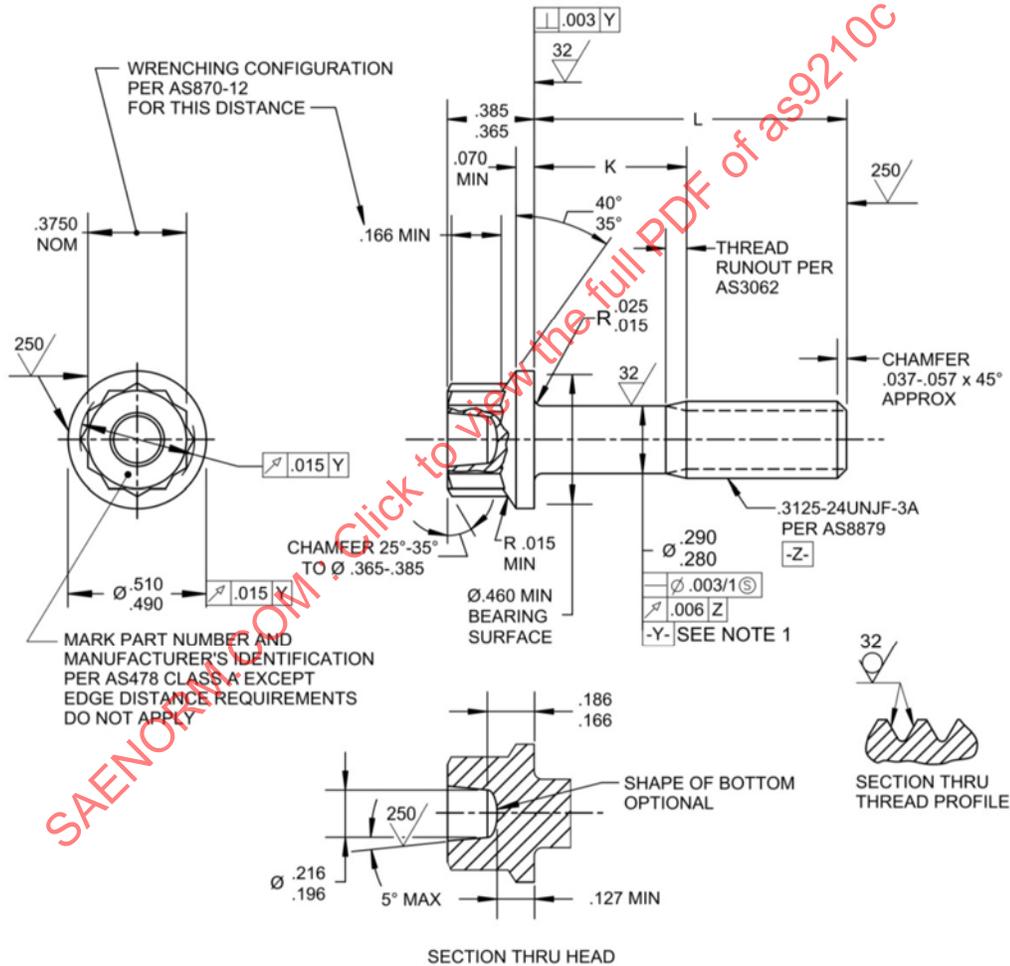
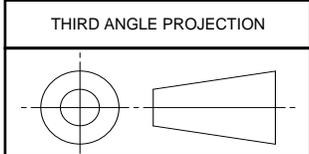


FIGURE 1 - BOLT

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS9210c>



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, .3125-24 UNJF-3A

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ISSUED 1999-12 REVISED 2011-08 STABILIZED 2012-01

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX. MASS LB/100	PART NO.	L	K	APPROX. MASS LB/100.
MS9210-04	.490-.510	.088-.108	2.06	MS9210-34	2.990-3.010	2.065-2.125	6.58
MS9210-05	.552-.572	.088-.108	2.17	MS9210-35	3.115-3.135	2.190-2.250	6.80
MS9210-06	.615-.635	.088-.108	2.28	MS9210-36	3.240-3.260	2.315-2.375	7.03
MS9210-07	.678-.698	.088-.108	2.39	MS9210-37	3.365-3.385	2.440-2.500	7.27
MS9210-08	.740-.760	.088-.108	2.51	MS9210-38	3.490-3.510	2.565-2.625	7.50
MS9210-09	.802-.822	.088-.108	2.62	MS9210-39	3.615-3.635	2.690-2.750	7.73
MS9210-10	.865-.885	.088-.108	2.73	MS9210-40	3.740-3.760	2.815-2.875	7.95
MS9210-11	.928-.948	.088-.108	2.85	MS9210-41	3.865-3.885	2.940-3.000	8.17
MS9210-12	.990-1.010	.125-.145	2.96	MS9210-42	3.990-4.010	3.065-3.125	8.40
MS9210-13	1.052-1.072	.128-.188	3.07	MS9210-43	4.115-4.135	3.190-3.250	8.63
MS9210-14	1.115-1.135	.190-.250	3.19	MS9210-44	4.240-4.260	3.315-3.375	8.86
MS9210-15	1.178-1.198	.252-.312	3.30	MS9210-45	4.365-4.385	3.440-3.500	9.08
MS9210-16	1.240-1.260	.315-.375	3.41	MS9210-46	4.490-4.510	3.565-3.625	9.30
MS9210-17	1.302-1.322	.378-.438	3.52	MS9210-47	4.615-4.635	3.690-3.750	9.52
MS9210-18	1.365-1.385	.440-.500	3.64	MS9210-48	4.740-4.760	3.815-3.875	9.74
MS9210-19	1.428-1.448	.502-.562	3.75	MS9210-49	4.865-4.885	3.940-4.000	9.95
MS9210-20	1.490-1.510	.565-.625	3.87	MS9210-50	4.990-5.010	4.065-4.125	10.17
MS9210-21	1.552-1.572	.628-.688	3.98	MS9210-51	5.115-5.135	4.190-4.250	10.40
MS9210-22	1.615-1.635	.690-.750	4.10	MS9210-52	5.240-5.260	4.315-4.375	10.63
MS9210-23	1.678-1.698	.752-.812	4.22	MS9210-53	5.365-5.385	4.440-4.500	10.86
MS9210-24	1.740-1.760	.815-.875	4.33	MS9210-54	5.490-5.510	4.565-4.625	11.10
MS9210-25	1.865-1.885	.940-1.000	4.55	MS9210-55	5.615-5.635	4.690-4.750	11.33
MS9210-26	1.990-2.010	1.065-1.125	4.77	MS9210-56	5.740-5.760	4.815-4.875	11.56
MS9210-27	2.115-2.135	1.190-1.250	5.00	MS9210-57	5.865-5.885	4.940-5.000	11.78
MS9210-28	2.240-2.260	1.315-1.375	5.23	MS9210-58	5.990-6.010	5.065-5.125	12.00
MS9210-29	2.365-2.385	1.440-1.500	5.45				
MS9210-30	2.490-2.510	1.565-1.625	5.67				
MS9210-31	2.615-2.635	1.690-1.750	5.90				
MS9210-32	2.740-2.760	1.815-1.875	6.13				
MS9210-33	2.865-2.885	1.940-2.000	6.36				

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 MS9210-04 THRU MS9210-18 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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