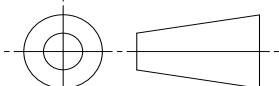


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REV. D	FEDERAL SUPPLY CLASS 5306	
	SAE AS9219	
RATIONALE THIS DOCUMENT HAS BEEN DETERMINED TO CONTAIN BASIC AND STABLE TECHNOLOGY WHICH IS NOT DYNAMIC IN NATURE. STABILIZED NOTICE THIS DOCUMENT HAS BEEN DECLARED "STABILIZED" BY THE SAE E-25 GENERAL 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.		
 AEROSPACE STANDARD BOLT, MACHINE - STEEL, DIFFUSED NICKEL-CADMIUM PLATED, DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, UNS K14675, 195 KSI MIN, .3125-24 UNJF-3A		
CUSTODIAN: E-25		PROCUREMENT SPECIFICATION: AS7459
SAE values your input. To provide feedback on this Technical Report, please visit http://www.sae.org/technical/standards/AS9219D		THIRD ANGLE PROJECTION 
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ISSUED 2000-08 REVISED 2011-11 STABILIZED 2012-10

TABLE 1 – PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX. MASS LB/100	PART NO.	L	K	APPROX. MASS LB/100.
MS9219-04	.490-.510	.088-.108	2.06	MS9219-34	2.990-3.010	2.065-2.125	6.58
MS9219-05	.552-.572	.088-.108	2.17	MS9219-35	3.115-3.135	2.190-2.250	6.80
MS9219-06	.615-.635	.088-.108	2.28	MS9219-36	3.240-3.260	2.315-2.375	7.03
MS9219-07	.678-.698	.088-.108	2.39	MS9219-37	3.365-3.385	2.440-2.500	7.27
MS9219-08	.740-.760	.088-.108	2.51	MS9219-38	3.490-3.510	2.565-2.625	7.50
MS9219-09	.802-.822	.088-.108	2.62	MS9219-39	3.615-3.635	2.690-2.750	7.73
MS9219-10	.865-.885	.088-.108	2.73	MS9219-40	3.740-3.760	2.815-2.875	7.95
MS9219-11	.928-.948	.088-.108	2.85	MS9219-41	3.865-3.885	2.940-3.000	8.17
MS9219-12	.990-1.010	.125-.145	2.96	MS9219-42	3.990-4.010	3.065-3.125	8.40
MS9219-13	1.052-1.072	.128-.188	3.07	MS9219-43	4.115-4.135	3.190-3.250	8.63
MS9219-14	1.115-1.135	.190-.250	3.19	MS9219-44	4.240-4.260	3.315-3.375	8.86
MS9219-15	1.178-1.198	.252-.312	3.30	MS9219-45	4.365-4.385	3.440-3.500	9.08
MS9219-16	1.240-1.260	.315-.375	3.41	MS9219-46	4.490-4.510	3.565-3.625	9.30
MS9219-17	1.302-1.322	.378-.438	3.52	MS9219-47	4.615-4.635	3.690-3.750	9.52
MS9219-18	1.365-1.385	.440-.500	3.64	MS9219-48	4.740-4.760	3.815-3.875	9.74
MS9219-19	1.428-1.448	.502-.562	3.75	MS9219-49	4.865-4.885	3.940-4.000	9.95
MS9219-20	1.490-1.510	.565-.625	3.87	MS9219-50	4.990-5.010	4.065-4.125	10.17
MS9219-21	1.552-1.572	.628-.688	3.98	MS9219-51	5.115-5.135	4.190-4.250	10.40
MS9219-22	1.615-1.635	.690-.750	4.10	MS9219-52	5.240-5.260	4.315-4.375	10.63
MS9219-23	1.678-1.698	.752-.812	4.22	MS9219-53	5.365-5.385	4.440-4.500	10.86
MS9219-24	1.740-1.760	.815-.875	4.33	MS9219-54	5.490-5.510	4.565-4.625	11.10
MS9219-25	1.865-1.885	.940-1.000	4.55	MS9219-55	5.615-5.635	4.690-4.750	11.33
MS9219-26	1.990-2.010	1.065-1.125	4.77	MS9219-56	5.740-5.760	4.815-4.875	11.56
MS9219-27	2.115-2.135	1.190-1.250	5.00	MS9219-57	5.865-5.885	4.940-5.000	11.78
MS9219-28	2.240-2.260	1.315-1.375	5.23	MS9219-58	5.990-6.010	5.065-5.125	12.00
MS9219-29	2.365-2.385	1.440-1.500	5.45				
MS9219-30	2.490-2.510	1.565-1.625	5.67				
MS9219-31	2.615-2.635	1.690-1.750	5.90				
MS9219-32	2.740-2.760	1.815-1.875	6.13				
MS9219-33	2.865-2.885	1.940-2.000	6.36				

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 MS9219-04 THRU MS9219-18 THE THREAD PD (DATUM $\boxed{-Z-}$) SHALL REPLACE DATUM $\boxed{-Y-}$.
- 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.