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**REV. D**  
**SAE AS9219**

FEDERAL SUPPLY CLASS  
5306

**RATIONALE**

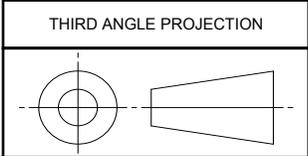
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CUSTODIAN: E-25		PROCUREMENT SPECIFICATION: AS7459	
	<b>AEROSPACE STANDARD</b>		<b>SAE AS9219</b>
	BOLT, MACHINE - STEEL, DIFFUSED NICKEL-CADMIUM PLATED, DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, UNS K14675, 195 KSI MIN, .3125-24 UNJF-3A		

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.

 An SAE International Group	<b>AEROSPACE STANDARD</b>	<b>SAE AS9219</b> SHEET 2 OF 3	<b>REV.</b> <b>D</b>
	BOLT, MACHINE - STEEL, DIFFUSED NICKEL-CADMIUM PLATED, DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, UNS K14675, 195 KSI MIN, .3125-24 UNJF-3A		