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REV.
A

AS9916™

FEDERAL SUPPLY CLASS
5306

RATIONALE

AS9916 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9916(ASG) NOTICE 2. 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.

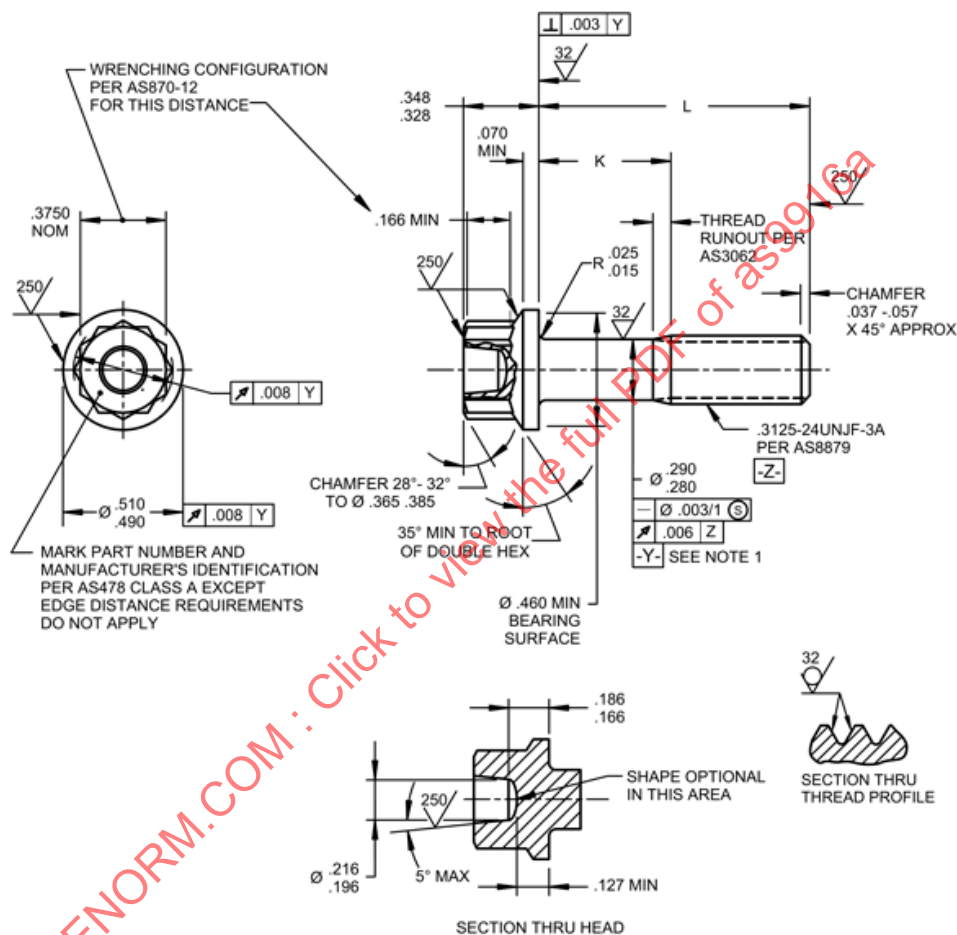
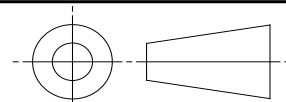


FIGURE 1 - BOLT

SAE values your input. To provide feedback on this Technical Report, please visit <http://standards.sae.org/AS9916A>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7452 /3/



AEROSPACE STANDARD

(R) BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, PD SHANK, STEEL AMS6322, CADMIUM PLATED, .3125-24 UNJF-3A

AS9916™
SHEET 1 OF 3

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ISSUED 1998-05 REVISED 2012-07 REAFFIRMED 2017-04

TABLE 1 - DIMENSIONS AND PART NUMBERS

PART NO.	L	K	APPROX. MASS LB/100	PART NO.	L	K	APPROX. MASS LB/100
MS9916-04	.490- .510	.088- .108	2.08	MS9916-34	2.740-2.760	1.815-1.875	6.14
MS9916-05	.552- .572	.088- .108	2.19	MS9916-35	2.865-2.885	1.940-2.000	6.36
MS9916-06	.615- .635	.088- .108	2.30	MS9916-36	2.990-3.010	2.065-2.125	6.59
MS9916-07	.678- .698	.088- .108	2.42	MS9916-37	3.115-3.135	2.190-2.250	6.81
MS9916-08	.740- .760	.088- .108	2.53	MS9916-38	3.240-3.260	2.315-2.375	7.04
MS9916-09	.802- .822	.088- .108	2.64	MS9916-39	3.365-3.385	2.440-2.500	7.27
MS9916-10	.865- .885	.088- .108	2.75	MS9916-40	3.490-3.510	2.565-2.625	7.49
MS9916-11	.928- .948	.088- .108	2.87	MS9916-41	3.615-3.635	2.690-2.750	7.72
MS9916-12	.990-1.010	.088- .125	2.98	MS9916-42	3.740-3.760	2.815-2.875	7.94
MS9916-13	1.052-1.072	.128- .188	3.09	MS9916-43	3.865-3.885	2.940-3.000	8.17
MS9916-14	1.115-1.135	.190- .250	3.20	MS9916-44	3.990-4.010	3.065-3.125	8.40
MS9916-15	1.178-1.198	.252- .312	3.32	MS9916-45	4.115-4.135	3.190-3.250	8.62
MS9916-16	1.240-1.260	.315- .375	3.43	MS9916-46	4.240-4.260	3.315-3.375	8.85
MS9916-17	1.302-1.322	.378- .438	3.54	MS9916-47	4.365-4.385	3.440-3.500	9.07
MS9916-18	1.365-1.385	.440- .500	3.65	MS9916-48	4.490-4.510	3.565-3.625	9.30
MS9916-19	1.428-1.448	.502- .562	3.77	MS9916-49	4.615-4.635	3.690-3.750	9.52
MS9916-20	1.490-1.510	.565- .625	3.88	MS9916-50	4.740-4.760	3.815-3.875	9.75
MS9916-21	1.552-1.572	.628- .688	3.99	MS9916-51	4.865-4.885	3.940-4.000	9.98
MS9916-22	1.615-1.635	.690- .750	4.11	MS9916-52	4.990-5.010	4.065-4.125	10.20
MS9916-23	1.678-1.698	.752- .812	4.22	MS9916-53	5.115-5.135	4.190-4.250	10.43
MS9916-24	1.740-1.760	.815- .875	4.33	MS9916-54	5.240-5.260	4.315-4.375	10.65
MS9916-25	1.802-1.822	.878- .938	4.44	MS9916-55	5.365-5.385	4.440-4.500	10.88
MS9916-26	1.865-1.885	.940-1.000	4.56	MS9916-56	5.490-5.510	4.565-4.625	11.10
MS9916-27	1.928-1.948	1.002-1.062	4.67	MS9916-57	5.615-5.635	4.690-4.750	11.33
MS9916-28	1.990-2.010	1.065-1.125	4.78	MS9916-58	5.740-5.760	4.815-4.875	11.56
MS9916-29	2.115-2.135	1.190-1.250	5.01	MS9916-59	5.865-5.885	4.940-5.000	11.78
MS9916-30	2.240-2.260	1.305-1.375	5.23	MS9916-60	5.990-6.010	5.065-5.125	12.01
MS9916-31	2.365-2.385	1.440-1.500	5.46				
MS9916-32	2.490-2.510	1.565-1.625	5.69				
MS9916-33	2.615-2.635	1.690-1.750	5.91				

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 MS9916-04 THRU MS9916-18 THE THREAD PD (DATUM **Z**) SHALL REPLACE DATUM **Y**.
- MATERIAL: STEEL AMS6322 (SAE 8740, COMPOSITION SIMILAR TO UNS G87400).
- PROCUREMENT SPECIFICATION: AS7452 EXCEPT HEAD SHALL BE UPSET.
- HARDNESS: 26-32 HRC.

	AEROSPACE STANDARD	AS9916™ SHEET 2 OF 3	REV. A
	(R) BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, PD SHANK, STEEL AMS6322, CADMIUM PLATED 3125-24 UNJF-3A		