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REV.
C

AS9716™

FEDERAL SUPPLY CLASS
5306

RATIONALE

REVISE LEAD THREAD CHAMFER TO AS1132, ADD EDGE DISTANCE EXCEPTION TO MARKING REQUIREMENT, UPDATE TO ASME Y14.5-2018, UPDATE SURFACE TEXTURE REQUIREMENTS PER AS1132, GENERAL EDITORIAL UPDATES.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9716A, AMENDMENT 1. THIS SAE STANDARD RETAINS THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

ANY REQUIREMENTS ASSOCIATED WITH QUALIFIED PRODUCTS LISTS (QPL'S) 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.

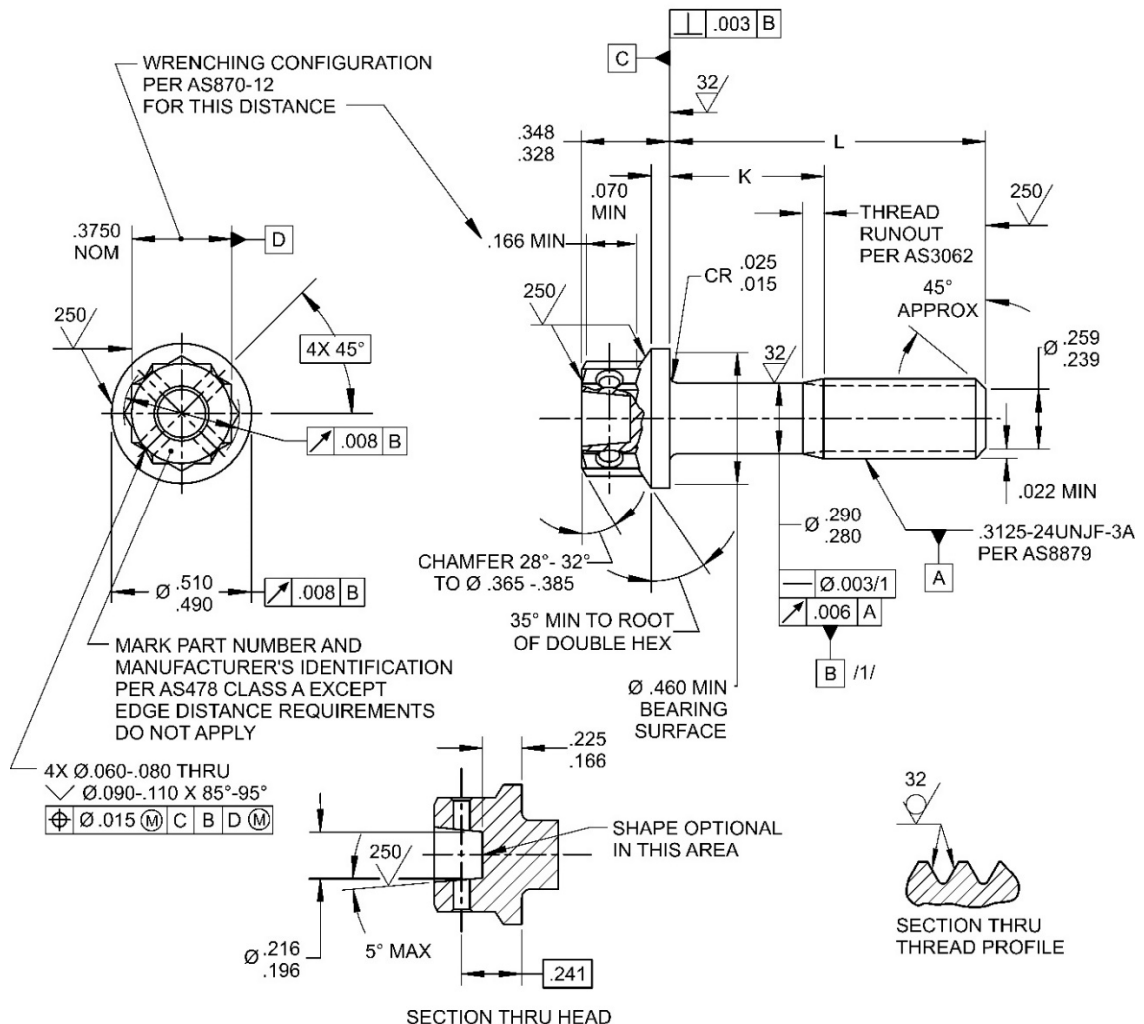
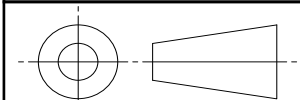


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS9716C/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7471



AEROSPACE STANDARD

BOLT, MACHINE-DOUBLE HEXAGON, EXTENDED WASHER HEAD, DRILLED, SILVER PLATED, NICKEL ALLOY (UNS N07001), .3125-24 UNJF-3A

AS9716™
SHEET 1 OF 3

REV.
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Documents

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TABLE 1 - DASH NUMBERS AND DIMENSIONS

PART NUMBER	L	K	APPROX MASS LB/100	PART NUMBER	L	K	APPROX MASS LB/100
MS9716-04	.500	.088-.108	2.17	MS9716-34	2.875	1.940-2.000	6.66
MS9716-05	.562	.088-.108	2.29	MS9716-35	3.000	2.065-2.125	6.90
MS9716-06	.625	.088-.108	2.41	MS9716-36	3.125	2.190-2.250	7.13
MS9716-07	.688	.088-.108	2.52	MS9716-37	3.250	2.315-2.375	7.36
MS9716-08	.750	.088-.108	2.64	MS9716-38	3.375	2.440-2.500	7.60
MS9716-09	.812	.088-.108	2.76	MS9716-39	3.500	2.565-2.625	7.84
MS9716-10	.875	.088-.108	2.88	MS9716-40	3.625	2.690-2.750	8.07
MS9716-11	.938	.088-.108	3.00	MS9716-41	3.750	2.815-2.875	8.31
MS9716-12	1.000	.088-.125	3.11	MS9716-42	3.875	2.940-3.000	8.54
MS9716-13	1.062	.128-.188	3.23	MS9716-43	4.000	3.065-3.125	8.78
MS9716-14	1.125	.190-.250	3.35	MS9716-44	4.125	3.190-3.250	9.02
MS9716-15	1.188	.252-.312	3.47	MS9716-45	4.250	3.315-3.375	9.25
MS9716-16	1.250	.315-.375	3.59	MS9716-46	4.375	3.440-3.500	9.49
MS9716-17	1.312	.378-.438	3.70	MS9716-47	4.500	3.565-3.625	9.72
MS9716-18	1.375	.440-.500	3.82	MS9716-48	4.625	3.690-3.750	9.96
MS9716-19	1.438	.502-.562	3.94	MS9716-49	4.750	3.815-3.875	10.20
MS9716-20	1.500	.565-.625	4.06	MS9716-50	4.875	3.940-4.000	10.43
MS9716-21	1.562	.628-.688	4.18	MS9716-51	5.000	4.065-4.125	10.67
MS9716-22	1.625	.690-.750	4.29	MS9716-52	5.125	4.190-4.250	10.91
MS9716-23	1.688	.752-.812	4.41	MS9716-53	5.250	4.315-4.375	11.14
MS9716-24	1.750	.815-.875	4.53	MS9716-54	5.375	4.440-4.500	11.38
MS9716-25	1.812	.877-.937	4.65	MS9716-55	5.500	4.565-4.625	11.61
MS9716-26	1.875	.940-1.000	4.77	MS9716-56	5.625	4.690-4.750	11.85
MS9716-27	2.000	1.065-1.125	5.00	MS9716-57	5.750	4.815-4.875	12.09
MS9716-28	2.125	1.190-1.250	5.24	MS9716-58	5.875	4.940-5.000	12.32
MS9716-29	2.250	1.315-1.375	5.48	MS9716-59	6.000	5.065-5.125	12.56
MS9716-30	2.375	1.440-1.500	5.71				
MS9716-31	2.500	1.565-1.625	5.95				
MS9716-32	2.625	1.690-1.750	6.19				
MS9716-33	2.750	1.815-1.875	6.42				

NOTES:

- /1/ FOR PART NUMBERS MS9716-04 THROUGH MS9716-16 DATUM **A** (THREAD PD) SHALL REPLACE DATUM **B**.
2. MATERIAL: NICKEL ALLOY IN ACCORDANCE WITH AMS5708 (COMPOSITION SIMILAR TO UNS N07001).
3. PROCUREMENT SPECIFICATION: AS7471.
4. FLUORESCENT PENETRANT INSPECTION PER ASTM E1417/E1417M, TYPE 1, SENSITIVITY LEVEL 2 MINIMUM, BEFORE PLATING.
5. FINISH: SILVER PLATE IN ACCORDANCE WITH AMS2410, .0002 TO .0006 INCH THICK AT THREAD PD. DIMENSIONS SPECIFIED ARE AFTER PLATING.
6. DIMENSIONING AND TOLERANCING PER ASME Y14.5-2018.
7. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
8. DIMENSIONS ARE IN INCHES.
9. DO NOT USE UNASSIGNED PART NUMBERS.
10. UNLESS OTHERWISE SPECIFIED, TOLERANCES FOR LINEAR DIMENSIONS $\pm .010$, ANGULAR DIMENSIONS $\pm 5^\circ$.
11. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
12. UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.

	AEROSPACE STANDARD	AS9716™ SHEET 2 OF 3	REV. 6
	BOLT, MACHINE-DOUBLE HEXAGON, EXTENDED WASHER HEAD, DRILLED, SILVER PLATED, NICKEL ALLOY (UNS N07001), .3125-24 UNJF-3A		



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