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REV.
C

AS9928™

RATIONALE

FIGURE REDRAWN TO AS1132 AND ASME Y14.5-2018 STANDARDS, USAGE NOTE ADDED.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9928A. THIS SAE STANDARD MAY RETAIN 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.

FEDERAL SUPPLY CLASS
5306

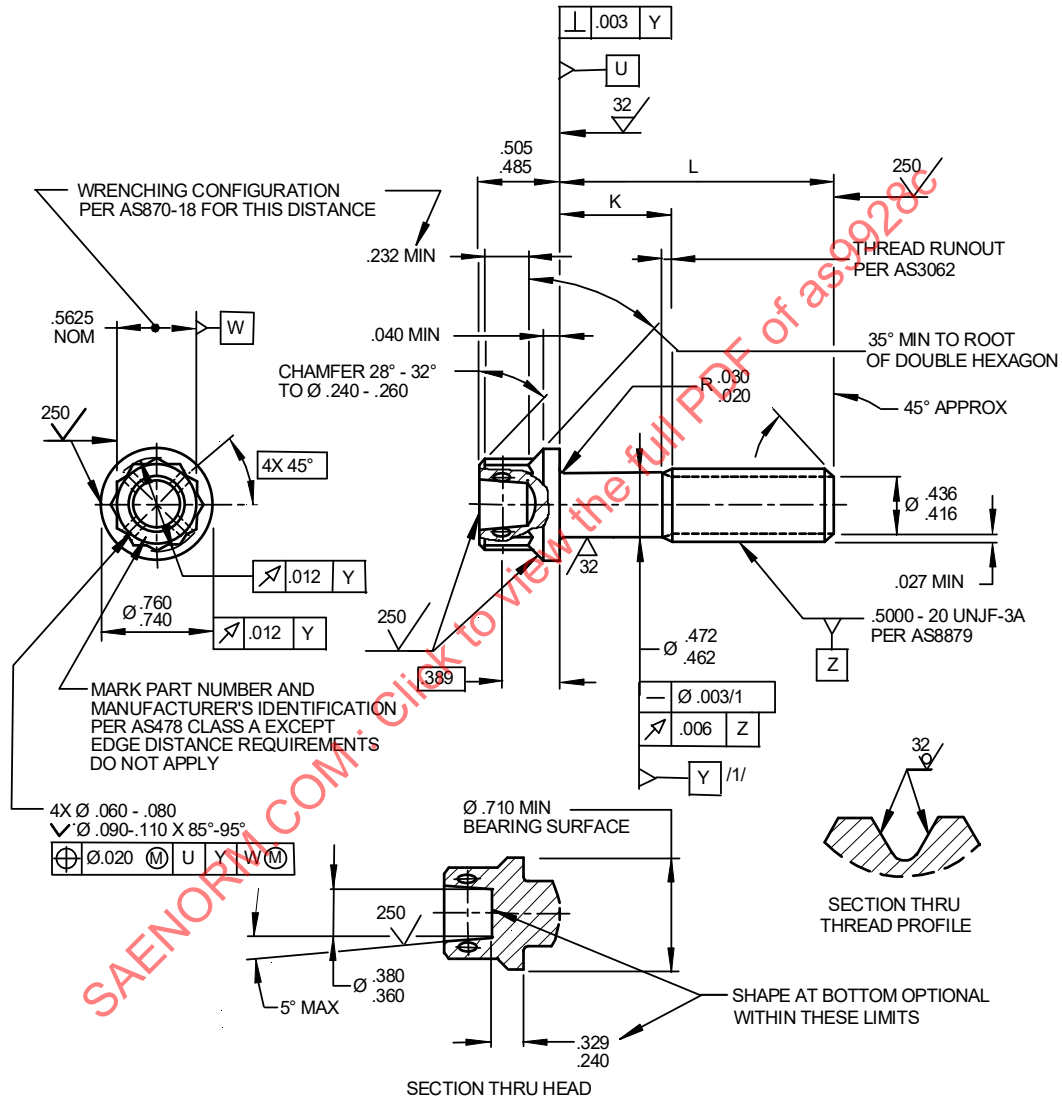
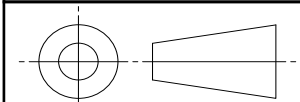


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS9928C/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7452 /3/



AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON EXTENDED
WASHER HEAD, DRILLED, PD SHANK, CADMIUM
PLATED, STEEL, UNS G87400, 125 KSI MIN,
.5000-20 UNJF-3A

AS9928™
SHEET 1 OF 3

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TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX MASS LB/100	PART NO.	L	K	APPROX MASS LB/100
MS9928-03	.740- .760	.105- .125	7.25	MS9928-30	2.865-2.885	1.565-1.625	17.54
MS9928-04	.802- .822	.105- .125	7.56	MS9928-31	2.990-3.010	1.690-1.750	18.14
MS9928-05	.865- .885	.105- .125	7.86	MS9928-32	3.115-3.135	1.815-1.875	18.75
MS9928-06	.928- .948	.105- .125	8.16	MS9928-33	3.240-3.260	1.940-2.000	19.35
MS9928-07	.990-1.010	.105- .125	8.47	MS9928-34	3.365-3.385	2.065-2.125	19.95
MS9928-08	1.052-1.072	.105- .125	8.77	MS9928-35	3.490-3.510	2.190-2.250	20.54
MS9928-09	1.115-1.135	.105- .125	9.07	MS9928-36	3.615-3.635	2.315-2.375	21.17
MS9928-10	1.178-1.198	.105- .125	9.37	MS9928-37	3.740-3.760	2.440-2.500	21.77
MS9928-11	1.240-1.260	.105- .125	9.67	MS9928-38	3.865-3.885	2.565-2.625	22.32
MS9928-12	1.302-1.322	.105- .125	9.97	MS9928-39	3.990-4.010	2.690-2.750	22.98
MS9928-13	1.365-1.385	.105- .125	10.27	MS9928-40	4.115-4.135	2.815-2.875	23.59
MS9928-14	1.428-1.448	.128- .188	10.57	MS9928-41	4.240-4.260	2.940-3.000	24.16
MS9928-15	1.490-1.510	.190- .250	10.87	MS9928-42	4.365-4.385	3.065-3.125	24.79
MS9928-16	1.552-1.572	.252- .312	11.18	MS9928-43	4.490-4.510	3.190-3.250	25.40
MS9928-17	1.615-1.635	.315- .375	11.49	MS9928-44	4.615-4.635	3.315-3.375	26.01
MS9928-18	1.678-1.698	.378- .438	11.79	MS9928-45	4.740-4.760	3.440-3.500	26.61
MS9928-19	1.740-1.760	.440- .500	12.09	MS9928-46	4.865-4.885	3.565-3.625	27.22
MS9928-20	1.802-1.822	.502- .562	12.40	MS9928-47	4.990-5.010	3.690-3.750	27.82
MS9928-21	1.865-1.885	.565- .625	12.70	MS9928-48	5.115-5.135	3.815-3.875	28.43
MS9928-22	1.928-1.948	.628- .688	13.00	MS9928-49	5.240-5.260	3.940-4.000	29.22
MS9928-23	1.990-2.010	.690- .750	13.31	MS9928-50	5.365-5.385	4.065-4.125	29.61
MS9928-24	2.115-2.135	.815- .875	13.91	MS9928-51	5.490-5.510	4.190-4.250	30.24
MS9928-25	2.240-2.260	.940-1.000	14.51	MS9928-52	5.615-5.635	4.315-4.375	30.85
MS9928-26	2.365-2.385	1.065-1.125	15.11	MS9928-53	5.740-5.760	4.440-4.500	31.45
MS9928-27	2.490-2.510	1.190-1.250	15.72	MS9928-54	5.865-5.885	4.565-4.625	32.05
MS9928-28	2.615-2.635	1.315-1.375	16.33	MS9928-55	5.990-6.010	4.690-4.750	32.66
MS9928-29	2.740-2.760	1.440-1.500	16.93				

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.

/1/ FOR PART NUMBERS MS9928-03 THRU MS9928-24, DATUM Z SHALL REPLACE DATUM Y.

2. MATERIAL: AMS6322 (COMPOSITION SIMILAR TO UNS G87400).

/3/ PROCUREMENT SPECIFICATION AS7452, EXCEPT HEAD SHALL BE UPSET.

4. HEAD TO SHANK FILET RADIUS: HEAD TO SHANK FILLET SHALL BE COLD ROLLED AFTER HEAT TREATMENT. COLD ROLLING SHALL BE SUFFICIENT TO REMOVE ALL VISUAL EVIDENCE OF GRINDING OR TOOL MARKS.

5. FINISH: CADMIUM PLATE AMS2400. DIMENSIONS ARE AFTER PLATING.

6. MAGNETIC PARTICLE INSPECTION PER ASTM E1444/E1444M AFTER PLATING.

7. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.

8. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.

9. DIMENSIONING AND TOLERANCING PER ASME Y14.5-2018.

	AEROSPACE STANDARD	AS9928™ SHEET 2 OF 3	REV. C
	BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, CADMIUM PLATED, STEEL, UNS G87400, 125 KSI MIN, .5000-20 UNJF-3A		