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REV.
C

AS9529™

FEDERAL SUPPLY CLASS
5306

RATIONALE

FIGURE REDRAWN, SHOWING LATEST END CHAMFER DIMENSIONING AND POSITIONING TOLERANCE TO AS1132.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9529, AMENDMENT 1 NOTICE 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.

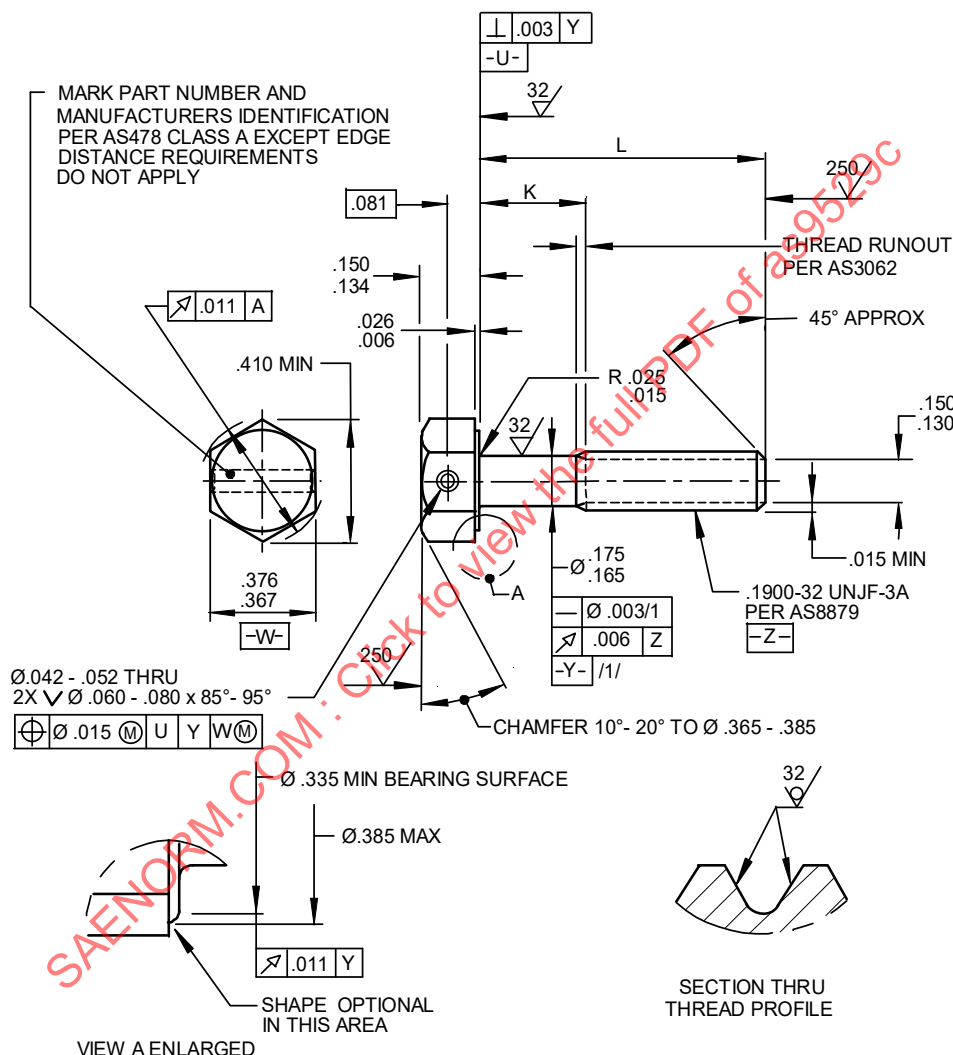
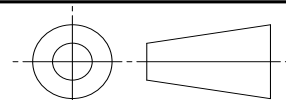


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS9529C/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7452 /3/



AEROSPACE STANDARD

BOLT, MACHINE - STEEL UNS G87400
CADMIUM PLATE, DRILLED, 1 HOLE
HEXAGON HEAD, 1900-32 UNJF-3A

AS9529™
SHEET 1 OF 3

REV.
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TABLE 1 - PART NUMBERS AND DIMENSIONS

DASH NUMBER	L	K	APPROX MASS LB/100	DASH NUMBER	L	K	APPROX MASS LB/100
MS9529-04	.365- .385	.072-.092	.66	MS9529-24	1.615-1.635	.935- .995	1.47
MS9529-05	.428- .448	.072-.092	.70	MS9529-25	1.678-1.698	.998-1.058	1.51
MS9529-06	.490- .510	.072-.092	.74	MS9529-26	1.740-1.760	1.060-1.120	1.55
MS9529-07	.552- .572	.072-.092	.78	MS9529-27	1.865-1.885	1.185-1.245	1.63
MS9529-08	.615- .635	.072-.092	.82	MS9529-28	1.990-2.010	1.310-1.370	1.71
MS9529-09	.678- .698	.072-.092	.86	MS9529-29	2.115-2.135	1.435-1.495	1.79
MS9529-10	.740- .760	.072-.120	.90	MS9529-30	2.240-2.260	1.560-1.620	1.87
MS9529-11	.802- .822	.122-.182	.94	MS9529-31	2.365-2.385	1.685-1.745	1.95
MS9529-12	.865- .885	.185-.245	.98	MS9529-32	2.490-2.510	1.810-1.870	2.03
MS9529-13	.928- .948	.248-.308	1.02	MS9529-33	2.615-2.635	1.935-1.995	2.11
MS9529-14	.990-1.010	.310-.370	1.07	MS9529-34	2.740-2.760	2.060-2.120	2.19
MS9529-15	1.052-1.072	.372-.432	1.11	MS9529-35	2.865-2.885	2.185-2.245	2.27
MS9529-16	1.115-1.135	.435-.495	1.15	MS9529-36	2.990-3.010	2.310-2.370	2.35
MS9529-17	1.178-1.198	.498-.558	1.19	MS9529-37	3.115-3.135	2.435-2.495	2.43
MS9529-18	1.240-1.260	.560-.620	1.23	MS9529-38	3.240-3.260	2.560-2.620	2.51
MS9529-19	1.302-1.322	.622-.682	1.27	MS9529-39	3.365-3.385	2.685-2.745	2.59
MS9529-20	1.365-1.385	.685-.745	1.31	MS9529-40	3.490-3.510	2.810-2.870	2.67
MS9529-21	1.428-1.448	.748-.808	1.35	MS9529-41	3.615-3.635	2.935-2.995	2.75
MS9529-22	1.490-1.510	.810-.870	1.39	MS9529-42	3.740-3.760	3.060-3.120	2.83
MS9529-23	1.552-1.572	.872-.932	1.43	MS9529-43	3.865-3.885	3.185-3.245	2.91

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.

- /1/ FOR PART NUMBERS MS9529-04 THROUGH MS9529-14, 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 FILLET RADIUS: FOR PART NUMBERS MS9529-13 AND LARGER, THE 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 PER AMS2400. DIMENSIONS ARE AFTER PLATING.
6. MAGNETIC PARTICLE INSPECTION PER ASTM E1444/E1444M.
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 ANSI Y14.5M-1982 (ASME PUBLICATION).
10. DIMENSIONS ARE IN INCHES.
11. UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
12. DO NOT USE UNASSIGNED PART NUMBERS.

	AEROSPACE STANDARD	AS9529™ SHEET 2 OF 3	REV. C
	BOLT, MACHINE - STEEL UNS G87400 CADMIUM PLATE, DRILLED, 1 HOLE HEXAGON HEAD, 1900-32 UNJF-3A		