

REV.
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AS9529

FEDERAL SUPPLY CLASS
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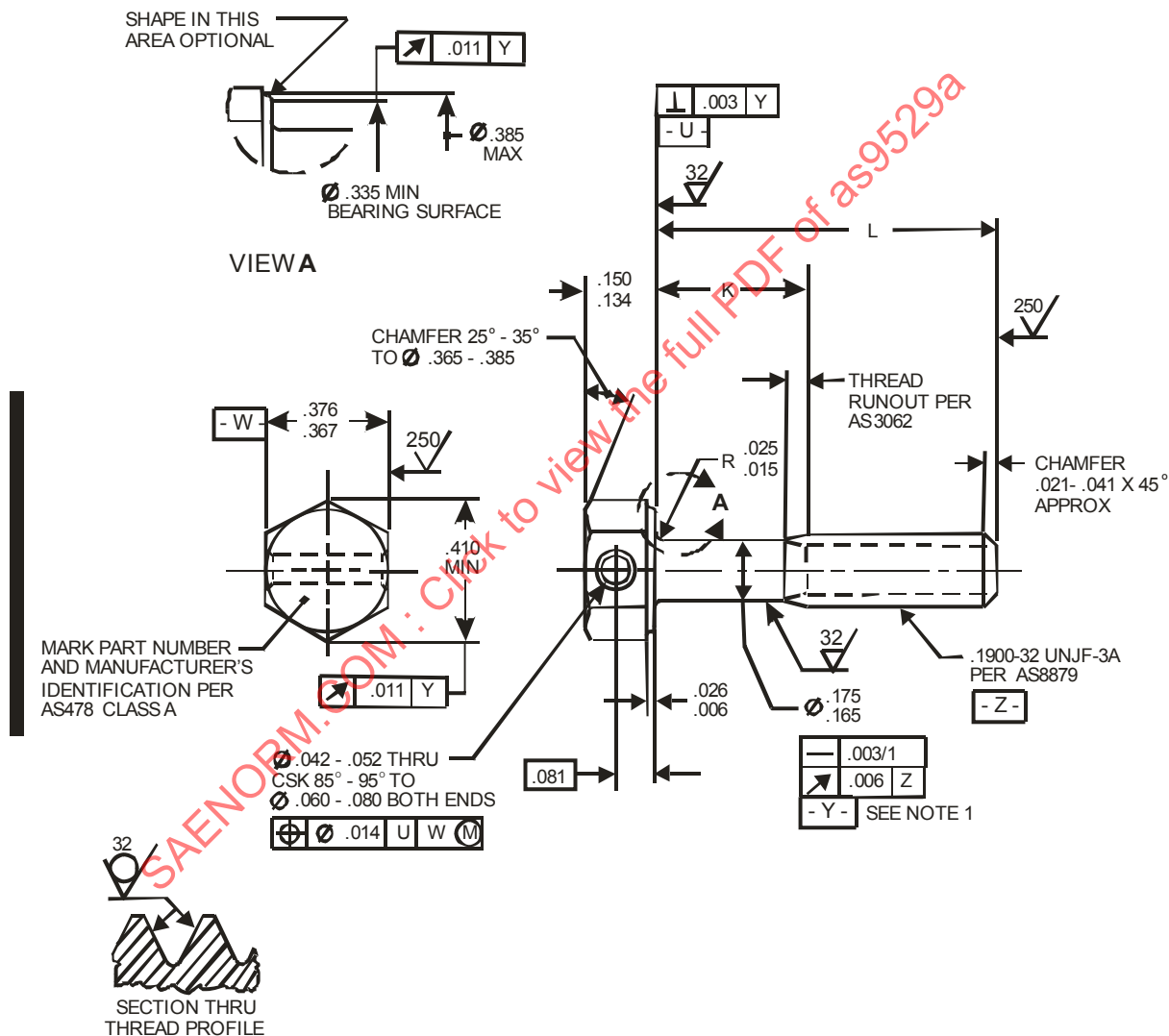
RATIONALE

STANDARDS UPDATED, CADMIUM WARNING NOTE ADDED, THREAD SPECIFICATION REVISED TO AS8879, AND GEOMETRIC CONTROLS FOR SHORT LENGTH BOLTS CLARIFIED TO AGREE WITH 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) 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.



CUSTODIAN: SAE E-25

SAE Aerospace
An SAE International Group

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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ISSUED 1999-12 REAFFIRMED 2004-07 REVISED 2007-09

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 PARTS WHICH CONTAIN CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE ANY QUESTIONS CONCERNING CADMIUM'S USE

- FOR PART NUMBERS MS9529-04 THRU MS9529-14 THE THREAD PD (DATUM "Z") SHALL REPLACE DATUM "Y".
- MATERIAL: LOW ALLOY STEEL AMS 6322 (UNS G87400).
- PROCUREMENT SPECIFICATION: AS7452, EXCEPT HEAD SHALL BE UPSET.
- HEAD TO SHANK FILLET RADIUS: FOR PART NUMBERS MS9529-13 AND LARGER, THE HEAD TO SHANK FILLET SHALL BE COLD ROLLED AFTER HEAT TREATMENT TO REMOVE ALL VISUAL EVIDENCE OF GRINDING OR TOOL MARKS.
- FINISH: CADMIUM PLATE PER AMS 2400. DIMENSIONS ARE AFTER PLATING.
- MAGNETIC PARTICLE INSPECTION PER ASTM E 1444.
- INCOMPLETE THREADS NOT TO ENTER FILLET.
- SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
- BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.

SAE Aerospace An SAE International Group	AEROSPACE STANDARD	AS9529 SHEET 2 OF 3	REV. A
	BOLT, MACHINE - STEEL UNS G87400, CADMIUM PLATE, DRILLED, 1 HOLE, HEXAGON HEAD, .1900-32 UNJF-3A		