

REV.
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AS9531

FEDERAL SUPPLY CLASS
5306

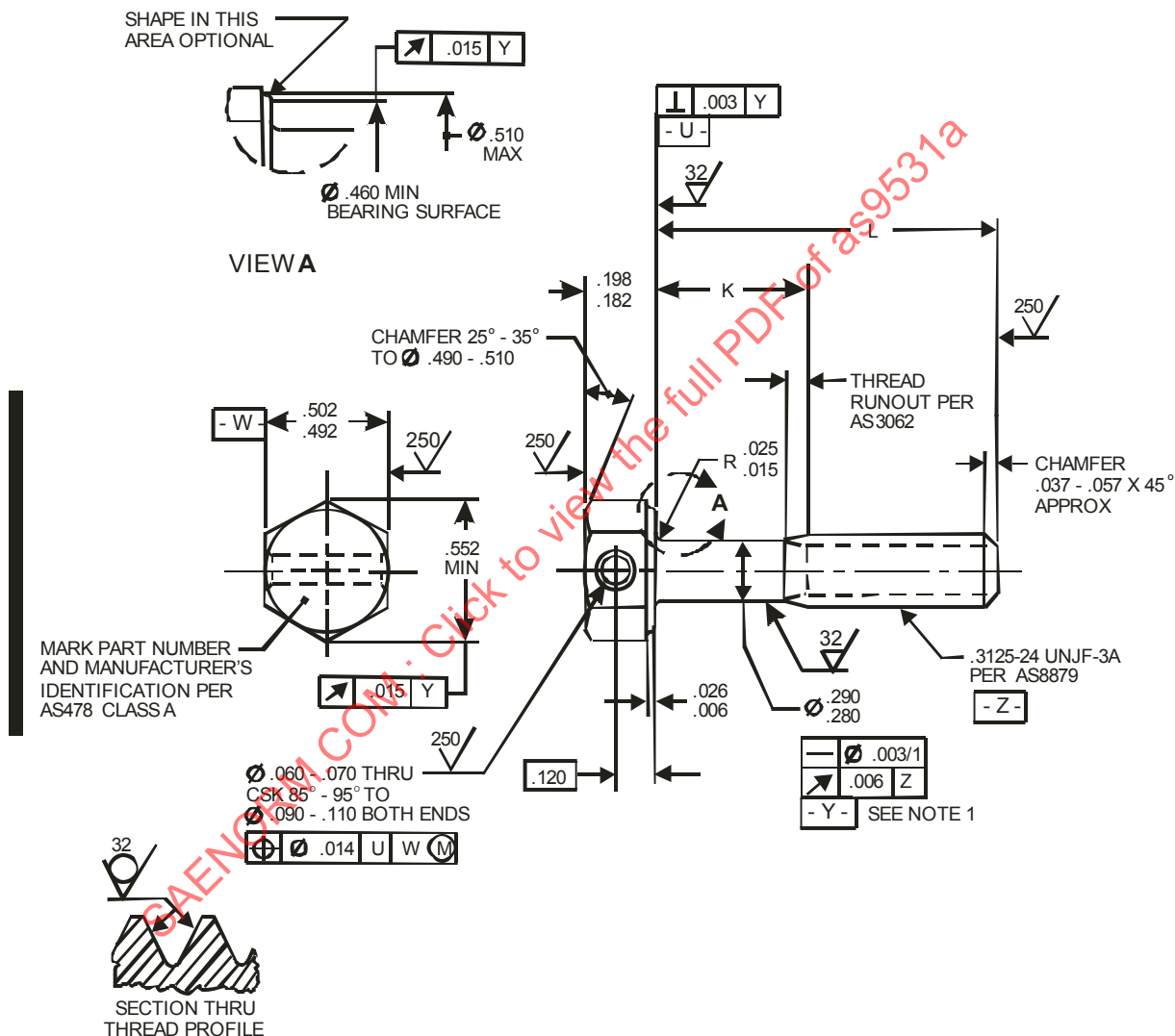
RATIONALE

STANDARD UPDATED, CADMIUM NOTICE 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 MS9531, AMENDMENT 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

PROCUREMENT SPECIFICATION: NONE

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

BOLT, MACHINE - HEXAGON HEAD, DRILLED 1 HOLE,
CADMIUM PLATED, STEEL UNS G87400, 125 KSI MIN,
.3125-24 UNJF-3A

AS9531
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
MS9531-04	.490- .510	.088- .108	2.05	MS9531-33	2.865-2.885	1.940-2.000	6.33
MS9531-05	.552- .572	.088- .108	2.16	MS9531-34	2.990-3.010	2.065-2.125	6.55
MS9531-06	.615- .635	.088- .108	2.27	MS9531-35	3.115-3.135	2.190-2.250	6.78
MS9531-07	.678- .698	.088- .108	2.38	MS9531-36	3.240-3.260	2.315-2.375	7.01
MS9531-08	.740- .760	.088- .108	2.49	MS9531-37	3.365-3.385	2.440-2.500	7.23
MS9531-09	.802- .822	.088- .108	2.60	MS9531-38	3.490-3.510	2.565-2.625	7.46
MS9531-10	.865- .885	.088- .108	2.72	MS9531-39	3.615-3.635	2.690-2.750	7.68
MS9531-11	.928- .948	.088- .108	2.83	MS9531-40	3.740-3.760	2.815-2.875	7.91
MS9531-12	.990-1.010	.088- .125	2.94	MS9531-41	3.865-3.885	2.940-3.000	8.13
MS9531-13	1.052-1.072	.128- .188	3.06	MS9531-42	3.990-4.010	3.065-3.125	8.36
MS9531-14	1.115-1.135	.190- .250	3.17	MS9531-43	4.115-4.135	3.190-3.250	8.59
MS9531-15	1.178-1.198	.253- .313	3.28	MS9531-44	4.240-4.260	3.315-3.375	8.81
MS9531-16	1.240-1.260	.315- .375	3.39	MS9531-45	4.365-4.385	3.440-3.500	9.04
MS9531-17	1.302-1.322	.378- .438	3.51	MS9531-46	4.490-4.510	3.565-3.625	9.26
MS9531-18	1.365-1.385	.440- .500	3.62	MS9531-47	4.615-4.635	3.690-3.750	9.49
MS9531-19	1.428-1.448	.502- .562	3.73	MS9531-48	4.740-4.760	3.815-3.875	9.71
MS9531-20	1.490-1.510	.565- .625	3.85	MS9531-49	4.865-4.885	3.940-4.000	9.94
MS9531-21	1.552-1.572	.628- .688	3.96	MS9531-50	4.990-5.010	4.065-4.125	10.17
MS9531-22	1.615-1.635	.690- .750	4.07	MS9531-51	5.115-5.135	4.190-4.250	10.39
MS9531-23	1.678-1.698	.752- .812	4.18	MS9531-52	5.240-5.260	4.315-4.375	10.62
MS9531-24	1.740-1.760	.815- .875	4.30	MS9531-53	5.365-5.385	4.440-4.500	10.84
MS9531-25	1.865-1.885	.940-1.000	4.52	MS9531-54	5.490-5.510	4.565-4.625	11.07
MS9531-26	1.990-2.010	1.065-1.125	4.75	MS9531-55	5.615-5.635	4.690-4.750	11.29
MS9531-27	2.115-2.135	1.190-1.250	4.97	MS9531-56	5.740-5.760	4.815-4.875	11.52
MS9531-28	2.240-2.260	1.315-1.375	5.20	MS9531-57	5.865-5.885	4.940-5.000	11.74
MS9531-29	2.365-2.385	1.440-1.500	5.43	MS9531-58	5.990-6.010	5.065-5.125	11.97
MS9531-30	2.490-2.510	1.565-1.625	5.65				
MS9531-31	2.615-2.635	1.690-1.750	5.88				
MS9531-32	2.740-2.760	1.815-1.875	6.10				

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 MS9531-04 THRU MS9531-19 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.
- FINISH: CADMIUM PLATE PER AMS 2400. DIMENSIONS ARE AFTER PLATING.
- MAGNETIC PARTICLE INSPECTION PER ASTM E 1444.

 <i>An SAE International Group</i>	AEROSPACE STANDARD		AS9531 SHEET 2 OF 3	REV. A
	BOLT, MACHINE - HEXAGON HEAD, DRILLED 1 HOLE, CADMIUM PLATED, STEEL UNS G87400, 125 KSI MIN, 3125-24 UNJF-3A			