

REV.
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AS9522

FEDERAL SUPPLY CLASS
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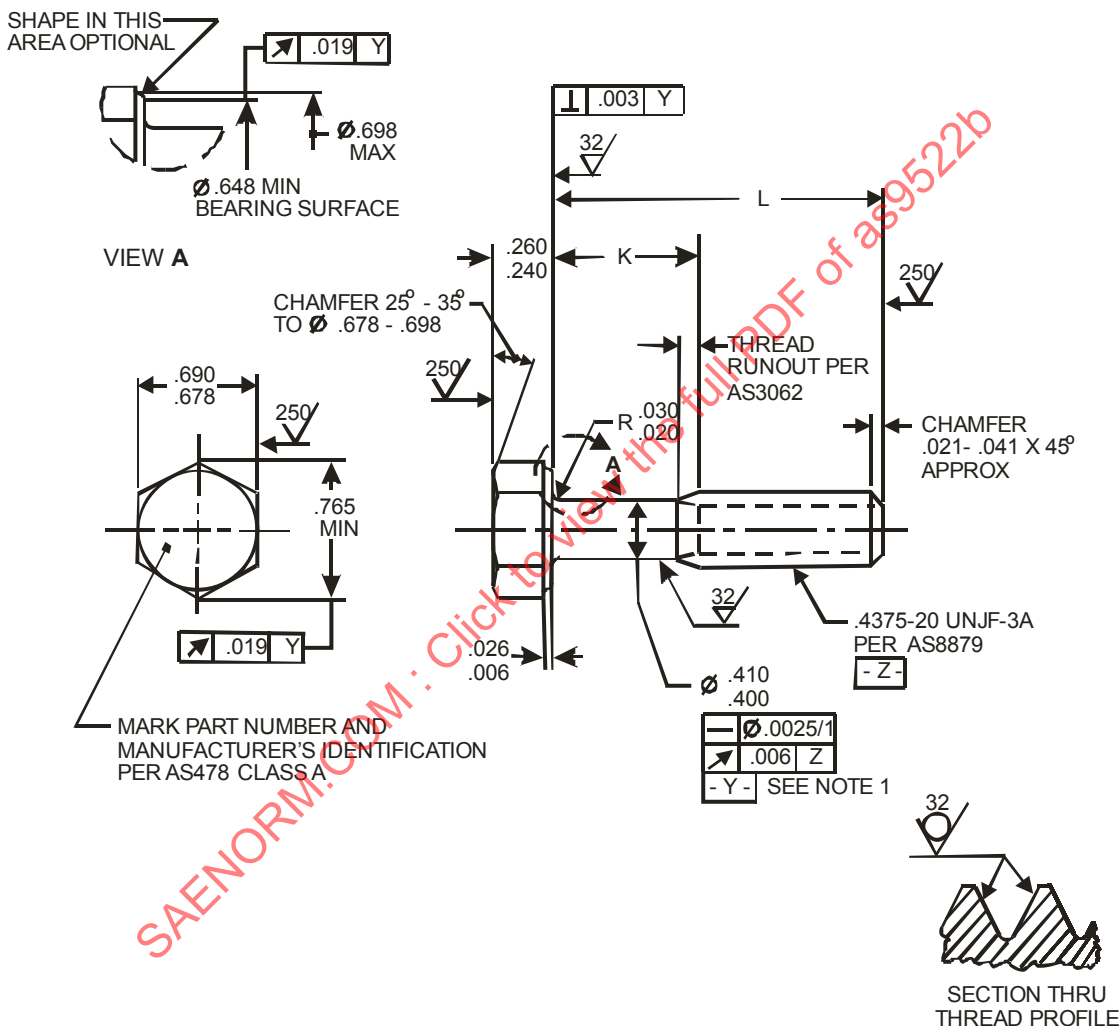
RATIONALE

CADMIUM WARNING NOTE UPDATED AND THREAD SPECIFICATION REVISED TO AS8879.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9522C, 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

SAEAerospace
An SAE International Group

AEROSPACE STANDARD

BOLT, MACHINE - HEXAGON HEAD, STEEL,
CADMIUM PLATED, UNS G87400, 125 KSI MIN,
.4375-20 UNJF-3A

AS9522
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
MS9522-04	.678- .698	.105- .125	5.78	MS9522-31	2.990-3.010	1.815-1.875	14.20
MS9522-05	.740- .760	.105- .125	6.01	MS9522-32	3.115-3.135	1.940-2.000	14.65
MS9522-06	.802- .822	.105- .125	6.24	MS9522-33	3.240-3.260	2.065-2.125	15.11
MS9522-07	.865- .885	.105- .125	6.47	MS9522-34	3.365-3.385	2.190-2.250	15.56
MS9522-08	.928- .948	.105- .125	6.69	MS9522-35	3.490-3.510	2.315-2.375	16.02
MS9522-09	.990-1.010	.105- .125	6.92	MS9522-36	3.615-3.635	2.440-2.500	16.47
MS9522-10	1.052-1.072	.105- .125	7.15	MS9522-37	3.740-3.760	2.565-2.625	16.93
MS9522-11	1.115-1.135	.105- .125	7.37	MS9522-38	3.865-3.885	2.690-2.750	17.38
MS9522-12	1.178-1.198	.105- .125	7.60	MS9522-39	3.990-4.010	2.815-2.875	17.84
MS9522-13	1.240-1.260	.105- .125	7.83	MS9522-40	4.115-4.135	2.940-3.000	18.29
MS9522-14	1.302-1.322	.128- .188	8.06	MS9522-41	4.240-4.260	3.065-3.125	18.74
MS9522-15	1.365-1.385	.190- .250	8.28	MS9522-42	4.365-4.385	3.190-3.250	19.20
MS9522-16	1.428-1.448	.252- .312	8.51	MS9522-43	4.490-4.510	3.315-3.375	19.65
MS9522-17	1.490-1.510	.315- .375	8.74	MS9522-44	4.615-4.635	3.440-3.500	20.11
MS9522-18	1.552-1.572	.378- .438	8.97	MS9522-45	4.740-4.760	3.565-3.625	20.56
MS9522-19	1.615-1.635	.440- .500	9.19	MS9522-46	4.865-4.885	3.690-3.750	21.02
MS9522-20	1.678-1.698	.502- .562	9.42	MS9522-47	4.990-5.010	3.815-3.875	21.47
MS9522-21	1.740-1.760	.565- .625	9.65	MS9522-48	5.115-5.135	3.940-4.000	21.93
MS9522-22	1.865-1.885	.690- .750	10.10	MS9522-49	5.240-5.260	4.065-4.125	22.38
MS9522-23	1.990-2.010	.815- .875	10.56	MS9522-50	5.365-5.385	4.190-4.250	22.84
MS9522-24	2.115-2.135	.940-1.000	11.01	MS9522-51	5.490-5.510	4.315-4.375	23.29
MS9522-25	2.240-2.260	1.065-1.125	11.47	MS9522-52	5.615-5.635	4.440-4.500	23.75
MS9522-26	2.365-2.385	1.190-1.250	11.92	MS9522-53	5.740-5.760	4.565-4.625	24.20
MS9522-27	2.490-2.510	1.315-1.375	12.38	MS9522-54	5.865-5.885	4.690-4.750	24.66
MS9522-28	2.615-2.635	1.440-1.500	12.83	MS9522-55	5.990-6.010	4.815-4.875	25.11
MS9522-29	2.740-2.760	1.565-1.625	13.29				
MS9522-30	2.865-2.885	1.690-1.750	13.74				

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.

- FOR PART NUMBERS MS9522-04 THRU MS9522-24 THE THREAD PD (DATUM $\boxed{-Z-}$) SHALL REPLACE DATUM $\boxed{-Y-}$.
- MATERIAL: LOW ALLOY STEEL AMS 6322 (UNS G87400).
- PROCUREMENT SPECIFICATION: AS7452.
- HEAD TO SHANK FILLET RADIUS: FOR PART NUMBERS MS9522-16 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 BEFORE PLATING.