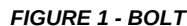


NOTICE

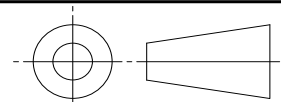
THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9924(ASG), NOTICE 1. THIS SAE STANDARD RETAINS THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

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.



SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS9924B>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7452 /3/



AEROSPACE STANDARD

(R) BOLT, MACHINE - DOUBLE HEXAGON EXTENDED
WASHER HEAD, DRILLED, PD SHANK, CADMIUM
PLATED, STEEL, UNS G87400, 125 KSI MIN,
.2500-28 UNJF-3A

AS9924
SHEET 1 OF 3

REV.
B

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX. MASS LB/100	PART NO.	L	K	APPROX. MASS LB/100
MS9924-04	.365-.385	.079-.099	1.20	MS9924-34	2.490-2.510	1.690-1.750	3.63
MS9924-05	.428-.448	.079-.099	1.27	MS9924-35	2.615-2.635	1.815-1.875	3.77
MS9924-06	.490-.510	.079-.099	1.34	MS9924-36	2.740-2.760	1.940-2.000	3.91
MS9924-07	.552-.572	.079-.099	1.41	MS9924-37	2.865-2.885	2.065-2.125	4.05
MS9924-08	.615-.635	.079-.099	1.48	MS9924-38	2.990-3.010	2.190-2.250	4.19
MS9924-09	.678-.698	.079-.099	1.55	MS9924-39	3.115-3.135	2.315-2.375	4.34
MS9924-10	.740-.760	.079-.099	1.63	MS9924-40	3.240-3.260	2.440-2.500	4.48
MS9924-11	.802-.822	.079-.099	1.70	MS9924-41	3.365-3.385	2.565-2.625	4.63
MS9924-12	.865-.885	.079-.125	1.77	MS9924-42	3.490-3.510	2.690-2.750	4.77
MS9924-13	.928-.948	.128-.188	1.84	MS9924-43	3.615-3.635	2.815-2.875	4.91
MS9924-14	.990-1.010	.190-.250	1.90	MS9924-44	3.740-3.760	2.940-3.000	5.06
MS9924-15	1.052-1.072	.252-.312	1.98	MS9924-45	3.865-3.885	3.065-3.125	5.20
MS9924-16	1.115-1.135	.315-.375	2.06	MS9924-46	3.990-4.010	3.190-3.250	5.34
MS9924-17	1.178-1.198	.378-.438	2.13	MS9924-47	4.115-4.135	3.315-3.375	5.49
MS9924-18	1.240-1.260	.440-.500	2.20	MS9924-48	4.240-4.260	3.440-3.500	5.63
MS9924-19	1.302-1.322	.502-.562	2.27	MS9924-49	4.365-4.385	3.565-3.625	5.77
MS9924-20	1.365-1.385	.565-.625	2.34	MS9924-50	4.490-4.510	3.690-3.750	5.92
MS9924-21	1.428-1.448	.628-.688	2.41	MS9924-51	4.615-4.635	3.815-3.875	6.07
MS9924-22	1.490-1.510	.690-.750	2.48	MS9924-52	4.740-4.760	3.940-4.000	6.21
MS9924-23	1.552-1.572	.752-.812	2.55	MS9924-53	4.865-4.885	4.065-4.125	6.34
MS9924-24	1.615-1.635	.815-.875	2.63	MS9924-54	4.990-5.010	4.190-4.250	6.48
MS9924-25	1.678-1.698	.878-.938	2.70	MS9924-55	5.115-5.135	4.315-4.375	6.63
MS9924-26	1.740-1.760	.940-1.000	2.77	MS9924-56	5.240-5.260	4.440-4.500	6.77
MS9924-27	1.802-1.822	1.002-1.062	2.84	MS9924-57	5.365-5.385	4.565-4.625	6.91
MS9924-28	1.865-1.885	1.065-1.125	2.91	MS9924-58	5.490-5.510	4.690-4.750	7.06
MS9924-29	1.928-1.948	1.128-1.188	2.98	MS9924-59	5.615-5.635	4.815-4.875	7.20
MS9924-30	1.990-2.010	1.190-1.250	3.05	MS9924-60	5.740-5.760	4.940-5.000	7.34
MS9924-31	2.115-2.135	1.315-1.375	3.20	MS9924-61	5.865-5.885	5.065-5.125	7.48
MS9924-32	2.240-2.260	1.440-1.500	3.34	MS9924-62	5.990-6.010	5.190-5.250	7.63
MS9924-33	2.365-2.385	1.565-1.625	3.48				

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 MS9924-04 THRU MS9924-18 DATUM **Z** SHALL REPLACE DATUM **Y**.
2. MATERIAL: LOW ALLOY STEEL AMS6322 (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.

	AEROSPACE STANDARD	AS9924 SHEET 2 OF 3	REV. B
	(R) BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, PD SHANK, CADMIUM PLATED, STEEL, UNS G87400, 125 KSI MIN, .2500-28 UNJF-3A		