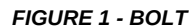


NOTICE

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.



THIRD ANGLE PROJECTION



TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NUMBER	L	K	APPROX. MASS LB/100	PART NUMBER	L	K	APPROX. MASS LB/100
MS9296-04	.490- .510	.088- .108	2.12	MS9296-32	2.740-2.760	1.815-1.875	6.17
MS9296-05	.552- .572	.088- .108	2.23	MS9296-33	2.865-2.885	1.940-2.000	6.40
MS9296-06	.615- .635	.088- .108	2.34	MS9296-34	2.990-3.010	2.065-2.125	6.62
MS9296-07	.678- .698	.088- .108	2.45	MS9296-35	3.115-3.135	2.190-2.250	6.85
MS9296-08	.740- .760	.088- .108	2.56	MS9296-36	3.240-3.260	2.315-2.375	7.08
MS9296-09	.802- .822	.088- .108	2.67	MS9296-37	3.365-3.385	2.440-2.500	7.30
MS9296-10	.865- .885	.088- .108	2.79	MS9296-38	3.490-3.510	2.565-2.625	7.53
MS9296-11	.928- .948	.088- .108	2.90	MS9296-39	3.615-3.635	2.690-2.750	7.75
MS9296-12	.990-1.010	.088- .125	3.01	MS9296-40	3.740-3.760	2.815-2.875	7.98
MS9296-13	1.052-1.072	.128- .188	3.13	MS9296-41	3.865-3.885	2.940-3.000	8.20
MS9296-14	1.115-1.135	.190- .250	3.24	MS9296-42	3.990-4.010	3.065-3.125	8.43
MS9296-15	1.178-1.198	.252- .312	3.35	MS9296-43	4.115-4.135	3.190-3.250	8.66
MS9296-16	1.240-1.260	.315- .375	3.46	MS9296-44	4.240-4.260	3.315-3.375	8.88
MS9296-17	1.302-1.322	.378- .438	3.58	MS9296-45	4.365-4.385	3.440-3.500	9.11
MS9296-18	1.365-1.385	.440- .500	3.69	MS9296-46	4.490-4.510	3.565-3.625	9.33
MS9296-19	1.428-1.448	.502- .562	3.80	MS9296-47	4.615-4.635	3.690-3.750	9.56
MS9296-20	1.490-1.510	.565- .625	3.92	MS9296-48	4.740-4.760	3.815-3.875	9.78
MS9296-21	1.552-1.572	.628- .688	4.03	MS9296-49	4.865-4.885	3.940-4.000	10.01
MS9296-22	1.615-1.635	.690- .750	4.14	MS9296-50	4.990-5.010	4.065-4.125	10.24
MS9296-23	1.678-1.698	.752- .812	4.25	MS9296-51	5.115-5.135	4.190-4.250	10.46
MS9296-24	1.740-1.760	.815- .875	4.37	MS9296-52	5.240-5.260	4.315-4.375	10.69
MS9296-25	1.865-1.885	.940-1.000	4.59	MS9296-53	5.365-5.385	4.440-4.500	10.91
MS9296-26	1.990-2.010	1.065-1.125	4.82	MS9296-54	5.490-5.510	4.565-4.625	11.14
MS9296-27	2.115-2.135	1.190-1.250	5.04	MS9296-55	5.615-5.635	4.690-4.750	11.36
MS9296-28	2.240-2.260	1.315-1.375	5.27	MS9296-56	5.740-5.760	4.815-4.875	11.59
MS9296-29	2.365-2.385	1.440-1.500	5.50	MS9296-57	5.865-5.885	4.940-5.000	11.81
MS9296-30	2.490-2.510	1.565-1.625	5.72	MS9296-58	5.990-6.010	5.065-5.125	12.04
MS9296-31	2.615-2.635	1.690-1.750	5.95				

NOTES:

- /1/ FOR PARTS NUMBERS MS9296-04 THRU MS9296-20 DATUM **Z** SHALL REPLACE DATUM **Y**.
2. MATERIAL: STEEL PER AMS6322 (UNS G87400).
- /3/ PROCUREMENT SPECIFICATION: AS7452, EXCEPT HEAD SHALL BE UPSET.
4. 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: BLACK OXIDE TREATMENT PER AMS2485.
6. MAGNETIC PARTICLE INSPECTION PER ASTM E1444.
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. DIMENSIONS ARE IN INCHES.
10. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982 (ASME PUBLICATION).
11. DO NOT USE UNASSIGNED PART NUMBERS.

	AEROSPACE STANDARD	AS9296 SHEET 2 OF 3	REV. B
	BOLT, MACHINE - HEXAGON HEAD, DRILLED 1 HOLE, PD SHANK, BLACK OXIDE, STEEL UNS G87400, 125 KSI MIN. .3125-24 UNJF-3A		