

REV. C

SAE AS9697

RATIONALE

FEDERAL SUPPLY CLASS 5306

AS9697C HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

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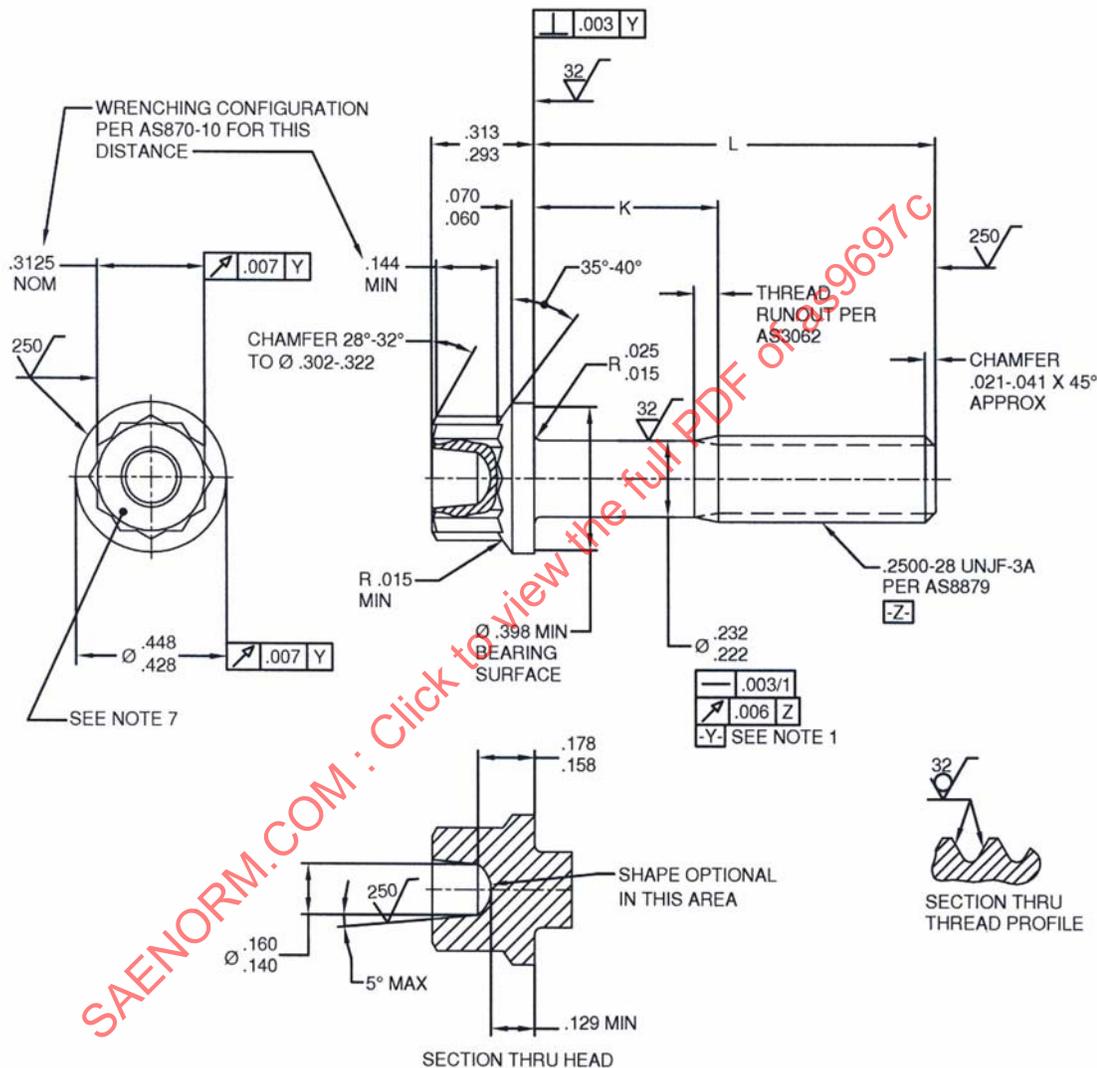
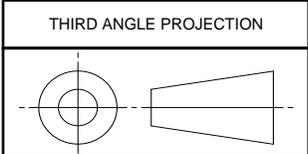


FIGURE 1 - BOLT

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS9697C>



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE

SAE Aerospace
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AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, PD SHANK, CORROSION AND HEAT RESISTANT STEEL, UNS N07001, 165 KSI MIN, .2500-28 UNJF-3A

SAE AS9697
SHEET 1 OF 3

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ISSUED 1998-11 REVISED 2006-05 REAFFIRMED 2012-11

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NUMBER	L	K	APPROX. MASS LB/100	PART NUMBER	L	K	APPROX. MASS LB/100
MS9697-04	.365- .385	.079- .099	1.06	MS9697-33	2.490-2.510	1.690-1.750	3.81
MS9697-05	.428- .448	.079- .099	1.33	MS9697-34	2.615-2.635	1.815-1.875	3.96
MS9697-06	.490- .510	.079- .099	1.41	MS9697-35	2.740-2.760	1.940-2.000	4.11
MS9697-07	.552- .572	.079- .099	1.48	MS9697-36	2.865-2.885	2.065-2.125	4.26
MS9697-08	.615- .635	.079- .099	1.56	MS9697-37	2.990-3.010	2.190-2.250	4.41
MS9697-09	.678- .698	.079- .099	1.63	MS9697-38	3.115-3.135	2.315-2.375	4.56
MS9697-10	.740- .760	.079- .099	1.71	MS9697-39	3.240-3.260	2.440-2.500	4.71
MS9697-11	.802- .822	.079- .099	1.78	MS9697-40	3.365-3.385	2.565-2.625	4.86
MS9697-12	.865- .885	.079- .125	1.86	MS9697-41	3.490-3.510	2.690-2.750	5.00
MS9697-13	.928- .948	.128- .188	1.93	MS9697-42	3.615-3.635	2.815-2.875	5.15
MS9697-14	.990-1.010	.190- .250	2.01	MS9697-43	3.740-3.760	2.940-3.000	5.30
MS9697-15	1.052-1.072	.252- .312	2.08	MS9697-44	3.865-3.885	3.065-3.125	5.45
MS9697-16	1.115-1.135	.315- .375	2.16	MS9697-45	3.990-4.010	3.190-3.250	5.60
MS9697-17	1.178-1.198	.378- .438	2.23	MS9697-46	4.115-4.135	3.315-3.375	5.75
MS9697-18	1.240-1.260	.440- .500	2.31	MS9697-47	4.240-4.260	3.440-3.500	5.90
MS9697-19	1.302-1.322	.502- .562	2.38	MS9697-48	4.365-4.385	3.565-3.625	6.05
MS9697-20	1.365-1.385	.565- .625	2.46	MS9697-49	4.490-4.510	3.690-3.750	6.20
MS9697-21	1.428-1.448	.628- .688	2.53	MS9697-50	4.615-4.635	3.815-3.875	6.35
MS9697-22	1.490-1.510	.690- .750	2.61	MS9697-51	4.740-4.760	3.940-4.000	6.50
MS9697-23	1.552-1.572	.752- .812	2.68	MS9697-52	4.865-4.885	4.065-4.125	6.65
MS9697-24	1.615-1.635	.815- .875	2.76	MS9697-53	4.990-5.010	4.190-4.250	6.80
MS9697-25	1.678-1.698	.878- .938	2.88	MS9697-54	5.115-5.135	4.315-4.375	6.95
MS9697-26	1.740-1.760	.940-1.000	2.91	MS9697-55	5.240-5.260	4.440-4.500	7.10
MS9697-27	1.802-1.822	1.002-1.062	2.98	MS9697-56	5.365-5.385	4.565-4.625	7.25
MS9697-28	1.865-1.885	1.065-1.125	3.06	MS9697-57	5.490-5.510	4.690-4.750	7.40
MS9697-29	1.990-2.010	1.190-1.250	3.21	MS9697-58	5.615-5.635	4.815-4.875	7.55
MS9697-30	2.115-2.135	1.315-1.375	3.36	MS9697-59	5.740-5.760	4.940-5.000	7.70
MS9697-31	2.240-2.260	1.440-1.500	3.51	MS9697-60	5.865-5.885	5.065-5.125	7.85
MS9697-32	2.365-2.385	1.565-1.625	3.66	MS9697-61	5.990-6.010	5.190-5.250	8.00

NOTES:

- FOR PART NUMBERS MS9697-04 THRU MS9697-14 THE THREAD PD (DATUM $\square-Z$) SHALL REPLACE DATUM $\square-Y$.
- MATERIAL: CORROSION AND HEAT RESISTANT STEEL PER AMS 5708 (UNS N07001).
- PROCUREMENT SPECIFICATION: AS7471.
- FLUORESCENT PENETRANT INSPECTION PER ASTM E 1417.
- HEAD TO SHANK FILLET SHALL BE COLD ROLLED AFTER HEAT TREATMENT TO REMOVE ALL VISUAL EVIDENCE OF GRINDING OR TOOL MARKS, EXCEPT PART NUMBERS MS9697-14 AND SMALLER.
- SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.

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	BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, PD SHANK, CORROSION AND HEAT RESISTANT STEEL, UNS N07001, 165 KSI MIN, .2500-28 UNJF-3A		