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SAE AS9696

RATIONALE

CURRENT REVISION IS LIMITED IN SCOPE. CORRECTS TYPOGRAPHICAL ERROR IN K DIM FOR PARTS -04 THRU -09

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9696A, 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.

FEDERAL SUPPLY CLASS
5306

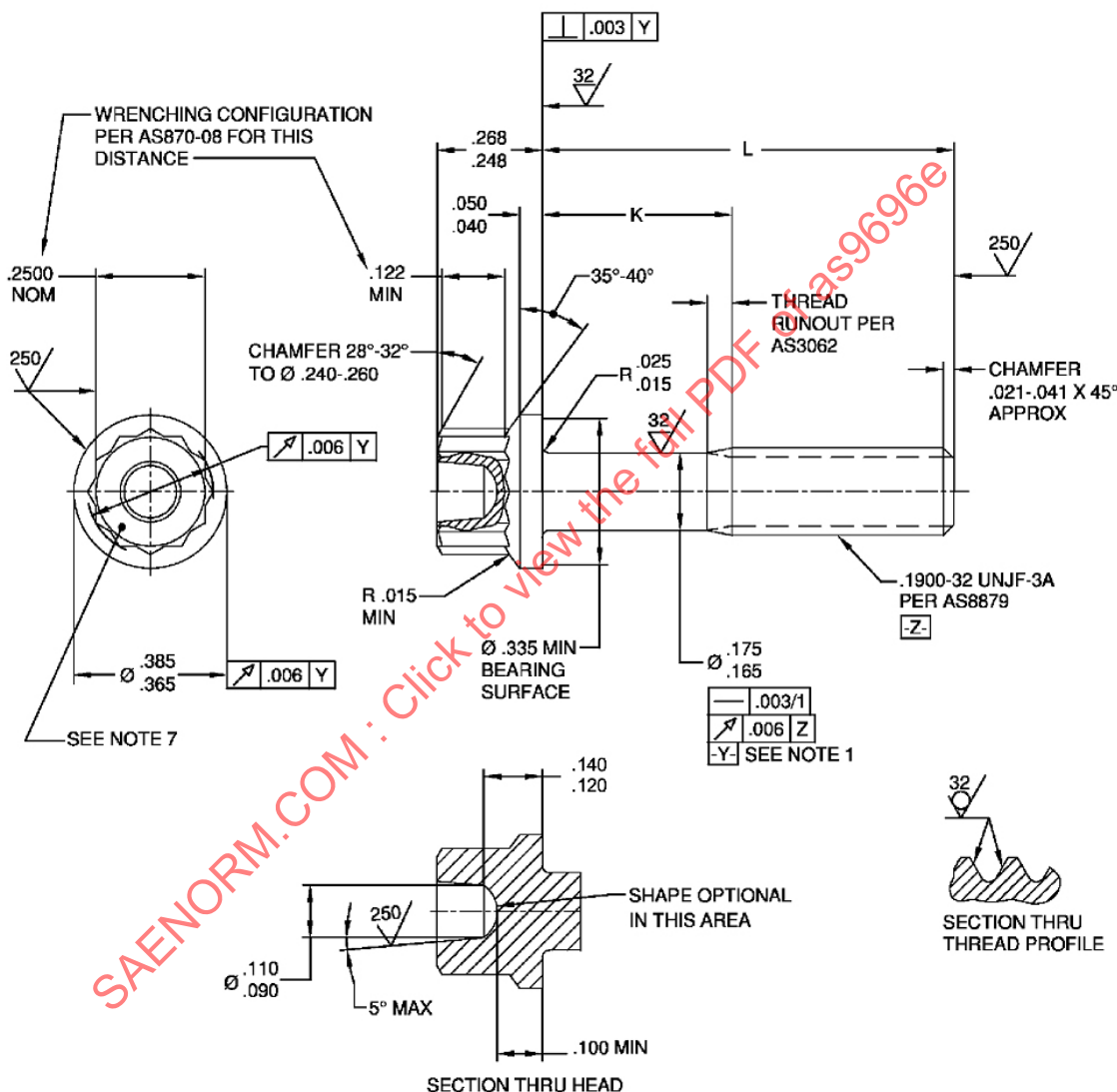


FIGURE 1 – BOLT

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CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7471

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, PD SHANK, CORROSION AND HEAT RESISTANT ALLOY, UNS N07001, 165 KSI MIN, .1900-32 UNJF-3A

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TABLE 1 – PART NUMBERS AND DIMENSIONS

PART NUMBER	L	K	APPROX. MASS LB/100		PART NUMBER	L	K	APPROX. MASS LB/100
MS9696-04	.365 - .385	.072 - .092	.78		MS9696-25	1.678 - 1.698	.998 - 1.058	1.66
MS9696-05	.428 - .448	.072 - .092	.82		MS9696-26	1.740 - 1.760	1.060 - 1.120	1.71
MS9696-06	.490 - .510	.072 - .092	.86		MS9696-27	1.802 - 1.822	1.122 - 1.182	1.75
MS9696-07	.552 - .572	.072 - .092	.90		MS9696-28	1.865 - 1.885	1.185 - 1.245	1.79
MS9696-08	.615 - .635	.072 - .092	.95		MS9696-29	1.990 - 2.010	1.310 - 1.370	1.88
MS9696-09	.678 - .698	.072 - .092	.99		MS9696-30	2.115 - 2.135	1.435 - 1.495	1.96
MS9696-10	.740 - .760	.072 - .120	1.03		MS9696-31	2.240 - 2.260	1.560 - 1.620	2.05
MS9696-11	.802 - .822	.122 - .182	1.07		MS9696-32	2.365 - 2.385	1.685 - 1.745	2.13
MS9696-12	.865 - .885	.185 - .245	1.11		MS9696-33	2.490 - 2.510	1.810 - 1.870	2.21
MS9696-13	.928 - .948	.248 - .308	1.16		MS9696-34	2.615 - 2.635	1.935 - 1.995	2.30
MS9696-14	.990 - 1.010	.310 - .370	1.20		MS9696-35	2.740 - 2.760	2.060 - 2.120	2.38
MS9696-15	1.052 - 1.072	.372 - .432	1.24		MS9696-36	2.865 - 2.885	2.185 - 2.245	2.47
MS9696-16	1.115 - 1.135	.435 - .495	1.28		MS9696-37	2.990 - 3.010	2.310 - 2.370	2.55
MS9696-17	1.178 - 1.198	.498 - .558	1.33		MS9696-38	3.115 - 3.135	2.435 - 2.495	2.64
MS9696-18	1.240 - 1.260	.560 - .620	1.37		MS9696-39	3.240 - 3.260	2.560 - 2.620	2.72
MS9696-19	1.302 - 1.322	.622 - .682	1.41		MS9696-40	3.365 - 3.385	2.685 - 2.745	2.81
MS9696-20	1.365 - 1.385	.685 - .745	1.45		MS9696-41	3.490 - 3.510	2.810 - 2.870	2.89
MS9696-21	1.428 - 1.448	.748 - .808	1.50		MS9696-42	3.615 - 3.635	2.935 - 2.995	2.98
MS9696-22	1.490 - 1.510	.810 - .870	1.54		MS9696-43	3.740 - 3.760	3.060 - 3.120	3.06
MS9696-23	1.552 - 1.572	.872 - .932	1.58		MS9696-44	3.865 - 3.885	3.185 - 3.245	3.15
MS9696-24	1.615 - 1.635	.935 - .995	1.62					

NOTES:

- FOR PART NUMBERS MS9696-04 THRU MS9696-12 THE THREAD PD (DATUM Z) SHALL REPLACE DATUM Y.
- MATERIAL: NICKEL ALLOY PER AMS5708 (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 MS9696-12 AND SMALLER DO NOT REQUIRE FILLET ROLLING.
- SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M, REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
- MARK PART NUMBER AND MANUFACTURER'S IDENTIFICATION PER AS478 CLASS A, EXCEPT EDGE DISTANCE REQUIREMENTS WAIVED.