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REV.
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AS91001™

FEDERAL SUPPLY CLASS
5310

RATIONALE

UPDATE MARKING REQUIREMENT TO DISTINGUISH BETWEEN MARKING OF BAR STOCK AND FINISHED PARTS AND ALLOW FOR OTHER METHODS OF MARKING. CAUTIONARY NOTE ADDED TO MARKING NOTE TO ENSURE THREAD OVALITY WHEN DEEP STAMPING PROCESS IS USED. ADD USER TO CONTROL SOURCE OF APPROVAL AND INVENTORY DISPOSITION NOTES.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9100B, AMENDMENT 1. THIS SAE STANDARD MAY RETAIN THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

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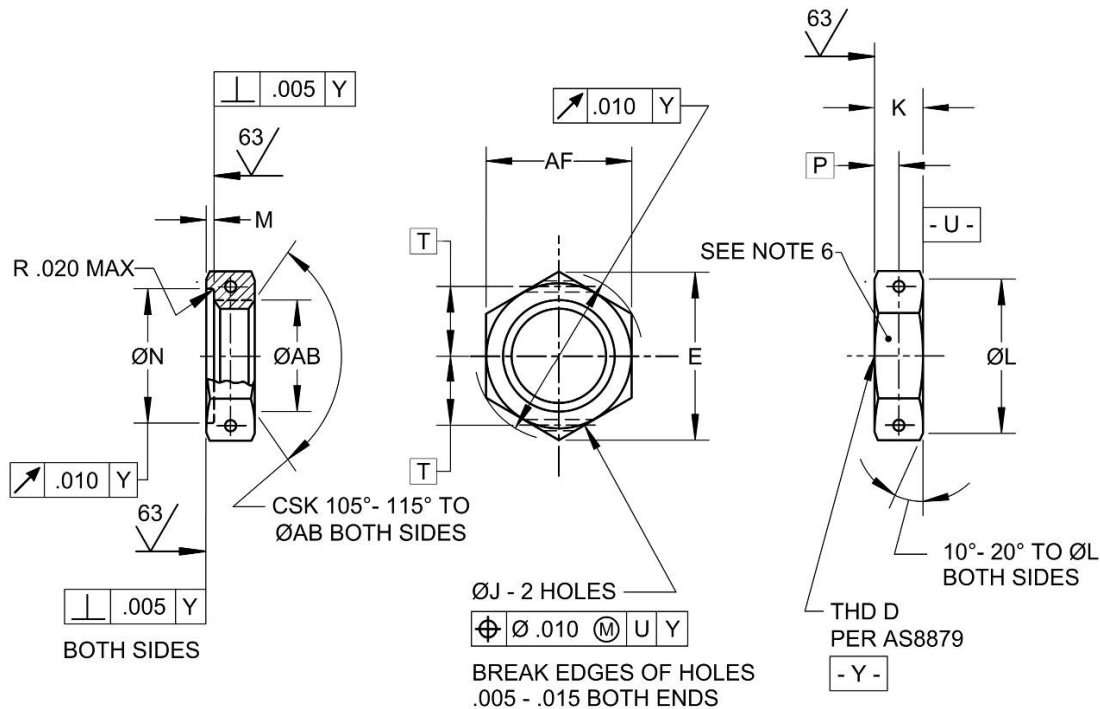
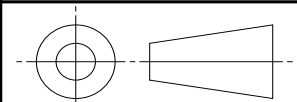


FIGURE 1 - NUT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS91001E/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

NUT, HEXAGON, DRILLED, BOSS
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TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NUMBER	NOM TUBE OD	D NOMINAL THREAD	AF	E MIN	ØAB	K
MS9100-02	.125	.3125-24UNJF-3B	.553- .564	.623	.312- .332	.240-.260
MS9100-03	.188	.3750-24UNJF-3B	.616- .627	.694	.375- .395	.240-.260
MS9100-04	.250	.4375-20UNJF-3B	.679- .690	.766	.438- .458	.271-.291
MS9100-05	.312	.5000-20UNJF-3B	.741- .752	.836	.500- .520	.271-.291
MS9100-06	.375	.5625-18UNJF-3B	.803- .814	.907	.562- .582	.287-.307
MS9100-07	.438	.6250-18UNJF-3B	.865- .877	.978	.625- .645	.287-.307
MS9100-08	.500	.7500-16UNJF-3B	.990-1.002	1.121	.750- .770	.334-.354
MS9100-09	.562	.8125-16UNJ-3B	1.052-1.064	1.191	.812- .832	.334-.354
MS9100-10	.625	.8750-14UNJF-3B	1.114-1.127	1.262	.875- .895	.381-.401
MS9100-11	.688	1.0000-12UNJF-3B	1.301-1.314	1.475	1.000-1.020	.428-.448
MS9100-12	.750	1.0625-12UNJ-3B	1.364-1.377	1.547	1.062-1.082	.428-.448
MS9100-14	.875	1.1875-12UNJ-3B	1.489-1.502	1.690	1.188-1.208	.428-.448
MS9100-16	1.000	1.3125-12UNJ-3B	1.614-1.627	1.833	1.312-1.332	.428-.448
MS9100-18	1.125	1.5000-12UNJ-3B	1.800-1.814	2.045	1.500-1.520	.428-.448
MS9100-20	1.250	1.6250-12UNJ-3B	1.926-1.940	2.189	1.625-1.645	.428-.448
MS9100-24	1.500	1.8750-12UNJ-3B	2.176-2.190	2.474	1.875-1.895	.428-.448
MS9100-28	1.750	2.2500-12UNJ-3B	2.549-2.564	2.899	2.250-2.270	.428-.448
MS9100-32	2.000	2.5000-12UNJ-3B	2.799-2.814	3.185	2.500-2.520	.428-.448

TABLE 1A - PART NUMBERS AND DIMENSIONS

PART NUMBER	NOM TUBE OD	ØL MIN	M	ØN	P	T	ØJ	APPROX MASS LB/100
MS9100-02	.125	.552	.032-.042	.478- .488	.125	.240	.042-.052	1.28
MS9100-03	.188	.615	.032-.042	.541- .551	.125	.240	.042-.052	1.50
MS9100-04	.250	.678	.037-.047	.603- .613	.140	.305	.042-.052	1.98
MS9100-05	.312	.740	.037-.047	.665- .675	.140	.340	.050-.060	2.21
MS9100-06	.375	.802	.037-.047	.728- .738	.148	.370	.050-.060	2.62
MS9100-07	.438	.865	.037-.047	.790- .800	.148	.405	.050-.060	2.93
MS9100-08	.500	.990	.037-.047	.915- .925	.172	.470	.057-.067	4.10
MS9100-09	.562	1.052	.037-.047	.978- .988	.172	.500	.057-.067	4.38
MS9100-10	.625	1.115	.049-.059	1.040-1.050	.195	.540	.057-.067	5.49
MS9100-11	.688	1.302	.049-.059	1.205-1.215	.219	.625	.065-.075	8.83
MS9100-12	.750	1.365	.049-.059	1.290-1.300	.219	.660	.065-.075	9.34
MS9100-14	.875	1.490	.049-.059	1.412-1.422	.219	.725	.065-.075	10.50
MS9100-16	1.000	1.615	.049-.059	1.536-1.546	.219	.790	.065-.075	11.65
MS9100-18	1.125	1.802	.049-.059	1.724-1.734	.219	.890	.065-.075	13.44
MS9100-20	1.250	1.928	.049-.059	1.849-1.859	.219	.960	.065-.075	14.78
MS9100-24	1.500	2.178	.049-.059	2.099-2.109	.219	1.095	.065-.075	17.36
MS9100-28	1.750	2.552	.049-.059	2.473-2.483	.219	1.295	.065-.075	21.48
MS9100-32	2.000	2.802	.049-.059	2.723-2.733	.219	1.425	.065-.075	24.40



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