

REV.
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SAE AS91001

FEDERAL SUPPLY CLASS
5310

RATIONALE

REVISE THREAD SPECIFICATION TO AS8879, CORRECT VALUE FOR ØAB FOR -28 SIZE, AND GENERAL EDITORIAL UPDATE.

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.

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.

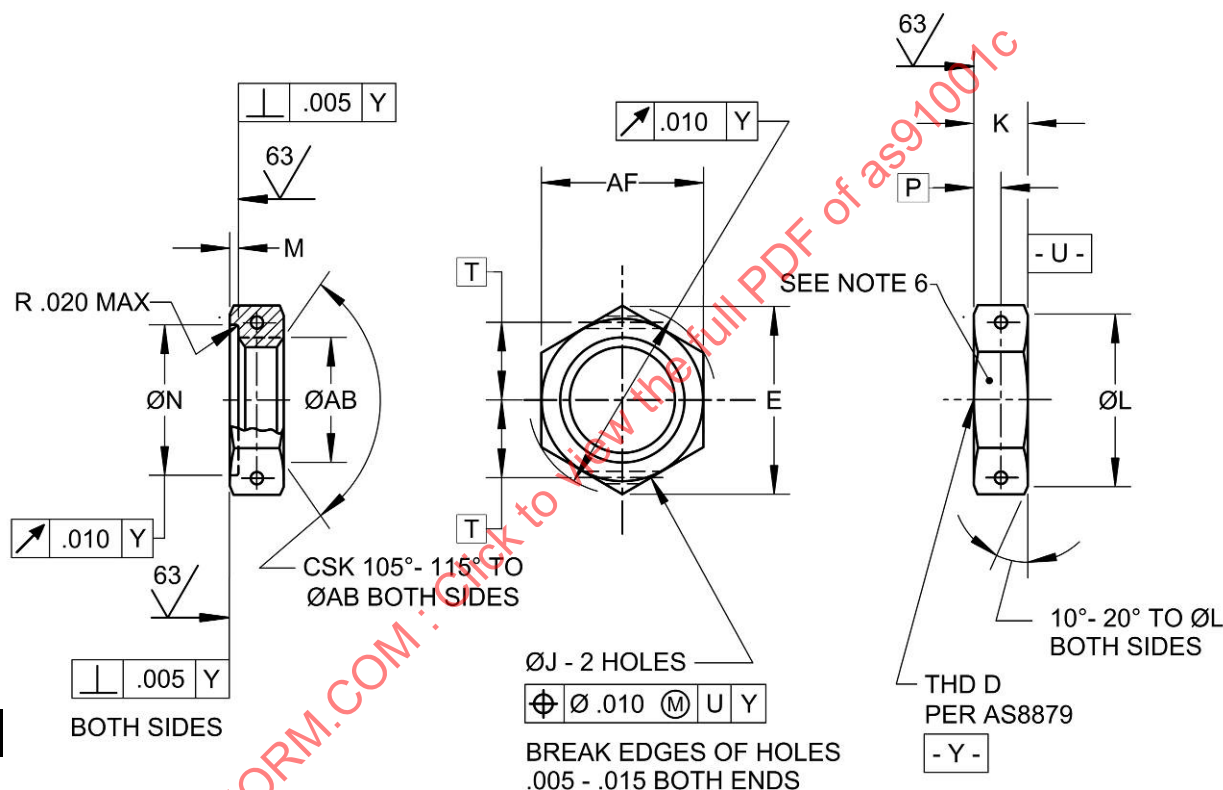
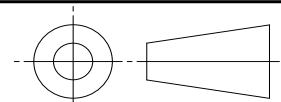


FIGURE 1 - NUT

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS91001C>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE

SAE Aerospace
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AEROSPACE STANDARD

NUT, HEXAGON, DRILLED, BOSS
CONNECTION, CRES - UNS S30400

SAE AS91001
SHEET 1 OF 3

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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 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

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