

Full document details: [SAE AS1734D](#)

TABLE 1 - NUT DIMENSIONS AND WEIGHTS

BASIC NO. AS1734 SIZE CODE /16/	(TUBE SIZE)	THREAD T PER FED-STD-H28/2 OR ASME B1.1 /10/ MOD	A +.010 -.000	B +.010 -.000 /11/	C +.005 -.000	D DIA	D TOL	E MAX	F	G +.010 -.000	H	ALUM WEIGHT LB/EA APPROX REF
04	.250	.687-12 UN-2B	.787	.691	.529	.583	+.002/- .000	.829	.408	.338	.300	.008
05	.312	.750-12 UN-2B	.850	.753	.580	.644	+.002/- .000	.892	.408	.338	.300	.009
06	.375	.812-12 UN-2B	.912	.816	.635	.689	+.002/- .000	.954	.408	.338	.300	.010
08	.500	.937-12 UN-2B	1.037	.941	.762	.815	+.003/- .000	1.079	.408	.338	.300	.011
10	.625	1.062-12 UN-2B	1.172	1.066	.900	.960	+.003/- .000	1.214	.424	.354	.315	.013
12	.750	1.250-12 UNF-2B	1.360	1.253	1.033	1.128	+.003/- .000	1.402	.424	.354	.315	.016
16	1.000	1.500-12 UNF-2B	1.610	1.503	1.284	1.386	+.003/- .000	1.652	.424	.354	.315	.019
20	1.250	1.750-12 UN-2B	1.860	1.753	1.534	1.628	+.003/- .000	1.902	.484	.414	.375	.026
24	1.500	2.000-12 UN-2B	2.110	2.003	1.783	1.878	+.003/- .000	2.152	.499	.429	.375	.031
28	1.750	2.250-12 UN-2B	2.360	2.253	2.045	2.138	+.003/- .000	2.402	.499	.429	.375	.034
32	2.000	2.500-12 UN-2B	2.620	2.503	2.292	2.382	+.003/- .000	2.662	.499	.429	.375	.040
36	2.250	2.750-12 UN-2B	2.870	2.753	2.549	2.638	+.003/- .000	2.912	.560	.455	.392	.051
40	2.500	3.000-12 UN-2B	3.125	3.003	2.800	2.888	+.003/- .000	3.162	.560	.455	.392	.056
44	2.750	3.250-12 UN-2B	3.370	3.253	3.045	3.138	+.003/- .000	3.412	.560	.455	.392	.061
48	3.000	3.625-12 UN-2B	3.751	3.628	3.395	3.513	+.004/- .000	3.793	.560	.455	.392	.071
56	3.500	4.125-12 UN-2B	4.256	4.128	3.895	4.013	+.004/- .000	4.298	.560	.455	.392	.083
64	4.000	4.625-12 UNS-2B/10/	4.756	4.613	4.395	4.513	+.004/- .000	4.798	.560	.455	.392	.094
72	4.500	5.125-12 UNS-2B/10/	5.266	5.113	4.895	5.015	+.005/- .000	5.308	.678	.543	.475	.133
80	5.000	5.625-12 UNS-2B/10/	5.765	5.613	5.378	5.500	+.005/- .000	5.807	.678	.543	.475	.148

NOTES:

1. MATERIAL CODE D:

a. ALUMINUM ALLOY 2024-T6, 2024-T851, OR 2024-T8511 PER AMS-QQ-A-225/6, ASTM B 210, AMS-QQ-A-200/3, OR AMS-WW-T-700/3

b. ALUMINUM ALLOY 2014-T6 PER AMS-QQ-A-225/4 OR AMS-QQ-A-200/2

2. FINISH: MATERIAL CODE D: ANODIZE PER MIL-A-8625, TYPE II, CLASS 2, COLOR MAGENTA.

/3/ PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST FOR PRI-QPL-AS1730 FOR THIS STANDARD. SEE www.eauditnet.com. FOR CURRENT QPL ON-LINE.

/4/ IDENTIFICATION PER AS478 METHOD 30 INCLUDING THE MANUFACTURER'S NAME, TRADEMARK, OR CAGE CODE, COMPLETE "AS" PART NUMBER, AND DATE OF MANUFACTURE IN QUARTERS (3Q95 = THIRD QUARTER 1995). SIZES 12 AND SMALLER MAY BE INDIVIDUALLY PLACED IN A PLASTIC BAG WITH A TAG PER AS478 METHOD 35D CONTAINING THIS INFORMATION. ALL PARTS SHALL BE MARKED AS A MINIMUM WITH THE MANUFACTURES NAME, TRADEMARK OR CAGE CODE AND DATE OF MANUFACTURE.

/5/ THE MANUFACTURER WILL SPECIFY AND CONTROL CERTAIN SPECIFIC DIMENSIONS AND TOLERANCES AND WILL BE RESPONSIBLE TO ASSURE COMPATIBILITY WITH THE ASSEMBLY AND COMPLIANCE WITH THE PERFORMANCE REQUIREMENTS OF AS1730.

/6/ KNURL MAY BE MEDIUM DIAMOND, MEDIUM PLAIN SPIRAL, OR FINE STRAIGHT.

/7/ INTERNAL BREAKOUT OF LOCK WIRE HOLES PERMITTED.

	AEROSPACE STANDARD		AS1734 SHEET 2 OF 3	REV. D
	NUT, COUPLING, RIGID, FIXED CAVITY, THREADED, FERRULE TYPE TUBE ENDS, TYPE I			

