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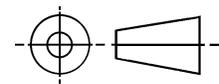
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THIRD ANGLE PROJECTION



ISSUED 2000-09

PREPARED BY SAE COMMITTEE E-25



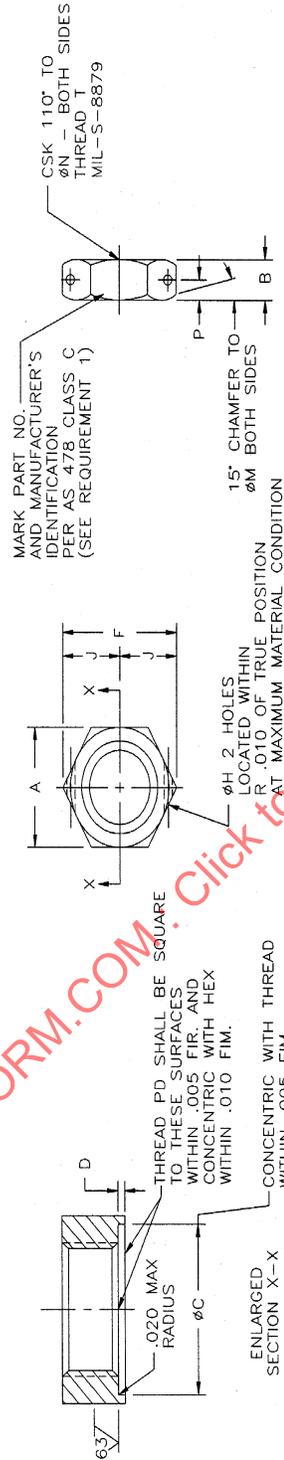
**AEROSPACE STANDARD**

NUT - HEX, BOSS CONNECTION, ALUMINUM

**AS90991**  
SHEET 1 OF 3

AS90991

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PART NO.	NOM. TUBE O.D.	THREAD T	A	B	ØC ±.005	D ±.005	F MIN	ØH ±.005	J BASIC	ØM	ØN	P	APPROX WEIGHT LB/100
MS9099-02	1.25	3125-24UNJF-3B	553-564	250	483	.037	.631	.047	.240	.562	.322	.125	.44
MS9099-03	1.88	375-24UNJF-3B	616-627	250	546	.037	.703	.047	.270	.625	.385	.125	.51
MS9099-04	2.50	4375-20UNJF-3B	679-690	281	608	.042	.775	.047	.305	.688	.448	.140	.68
MS9099-05	3.12	500-20UNJF-3B	741-752	281	670	.042	.846	.055	.340	.750	.510	.140	.76
MS9099-06	3.75	5625-18UNJF-3B	803-814	297	733	.042	.916	.055	.370	.812	.572	.148	.90
MS9099-07	4.38	625-18UNJF-3B	869-877	297	795	.042	.987	.065	.405	.875	.635	.148	1.01
MS9099-08	5.00	750-16UNJF-3B	990-1002	344	920	.042	1.130	.062	.470	1.000	.760	.172	1.41
MS9099-09	5.62	8125-16UNJF-3B	1052-1064	344	983	.042	1.200	.062	.500	1.062	.822	.172	1.51
MS9099-10	6.25	875-14UNJF-3B	1114-1127	391	1045	.054	1.271	.062	.540	1.125	.885	.195	1.90
MS9099-11	6.88	1000-12UNJF-3B	1301-1314	438	1210	.054	1.484	.070	.625	1.312	1.010	.219	3.05
MS9099-12	7.50	10625-12UNJF-3B	1364-1377	438	1295	.054	1.556	.070	.660	1.375	1.072	.219	3.25
MS9099-14	8.75	11875-12UNJF-3B	1489-1502	438	1417	.054	1.699	.070	.725	1.500	1.198	.219	3.66
MS9099-16	10.00	13125-12UNJF-3B	1614-1627	438	1541	.054	1.842	.070	.790	1.625	1.322	.219	4.06
MS9099-18	11.25	1500-12UNJF-3B	1800-1814	438	1729	.054	2.054	.070	.890	1.812	1.510	.219	4.69
MS9099-20	1.250	1625-12UNJF-3B	1926-1940	438	1854	.054	2.198	.070	.960	1.938	1.635	.219	5.15
MS9099-24	1.500	1875-12UNJF-3B	2176-2190	438	2104	.054	2.483	.070	1.095	2.188	1.885	.219	6.07
MS9099-28	1.750	2250-12UNJF-3B	2549-2564	438	2478	.054	2.908	.070	1.295	2.562	2.260	.219	7.52
MS9099-32	2.000	2500-12UNJF-3B	2799-2814	438	2728	.054	3.194	.070	1.425	2.812	2.510	.219	8.55