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AS9319

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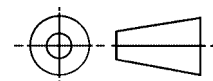
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THIRD ANGLE PROJECTION



PREPARED BY SAE COMMITTEE E-25

PROCUREMENT SPECIFICATION: NONE

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AEROSPACE STANDARD

RIVET, SOLID - UNIVERSAL HEAD,
AMS 7233

AS9319
SHEET 1 OF 5

ISSUED 1999-12 REAFFIRMED 2004-07

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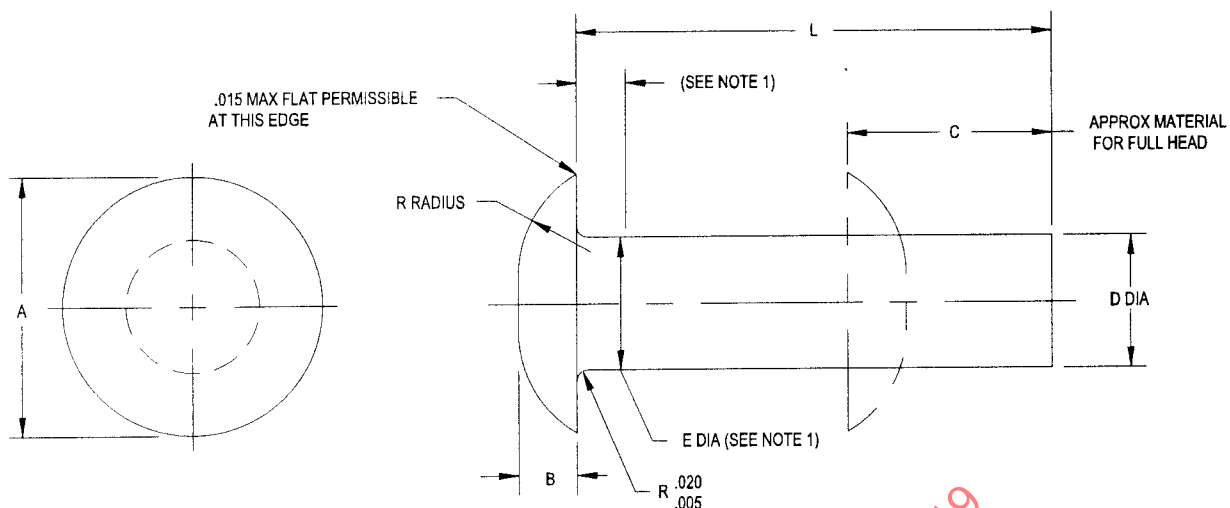


FIGURE 1 - RIVET

TABLE I - DIMENSIONS

NOMINAL SIZE	ØA	B + .010 - .000	C	ØD	ØE	R	(2) S
.062	.119 - .131	.027	.094	.061 - .063	.061 - .064	.054	.010
.094	.179 - .197	.040	.141	.093 - .095	.093 - .096	.082	.010
.125	.238 - .262	.054	.188	.123 - .126	.123 - .128	.108	.010
.156	.296 - .328	.067	.234	.154 - .157	.154 - .159	.135	.015
.188	.356 - .394	.080	.281	.186 - .189	.186 - .191	.164	.015
.250	.475 - .525	.107	.375	.248 - .252	.248 - .254	.217	.020
.312	.594 - .656	.133	.469	.310 - .314	.310 - .316	.272	.020
.375	.713 - .787	.161	.562	.373 - .377	.373 - .379	.328	.020

TABLE II - DIMENSIONS AND PART NUMBERS

NOM SIZE	.062		.094		.125		.156	
L	PART NO.	APPROX WEIGHT LB/100	PART NO.	APPROX WEIGHT LB/100	PART NO.	APPROX WEIGHT LB/100	PART NO.	APPROX WEIGHT LB/100
.125	MS9319-002	.02						
.156	MS9319-003	.02						
.188	MS9319-004	.02	MS9319-050	.06	MS9319-096	.13		
.219	MS9319-005	.03	MS9319-051	.07	MS9319-097	.14		
.250	MS9319-006	.03	MS9319-052	.08	MS9319-098	.15	MS9319-144	.24
.281	MS9319-007	.03	MS9319-053	.08	MS9319-099	.16	MS9319-145	.26
.312	MS9319-008	.04	MS9319-054	.09	MS9319-100	.17	MS9319-146	.28
.344	MS9319-009	.04	MS9319-055	.10	MS9319-101	.19	MS9319-147	.30
.375	MS9319-010	.04	MS9319-056	.10	MS9319-102	.20	MS9319-148	.32
.406	MS9319-011	.04	MS9319-057	.11	MS9319-103	.21	MS9319-149	.34
.438	MS9319-012	.05	MS9319-058	.12	MS9319-104	.22	MS9319-150	.36
.469	MS9319-013	.05	MS9319-059	.12	MS9319-105	.24	MS9319-151	.38
.500	MS9319-014	.05	MS9319-060	.13	MS9319-106	.25	MS9319-152	.40
.531	MS9319-015	.06	MS9319-061	.14	MS9319-107	.26	MS9319-153	.42
.562	MS9319-016	.06	MS9319-062	.14	MS9319-108	.27	MS9319-154	.44
.594	MS9319-017	.06	MS9319-063	.15	MS9319-109	.29	MS9319-155	.46
.625	MS9319-018	.07	MS9319-064	.16	MS9319-110	.30	MS9319-156	.48
.656			MS9319-065	.17	MS9319-111	.31	MS9319-157	.50
.688			MS9319-066	.17	MS9319-112	.32	MS9319-158	.52
.719			MS9319-067	.18	MS9319-113	.34	MS9319-159	.53
.750			MS9319-068	.19	MS9319-114	.35	MS9319-160	.55
.812			MS9319-070	.20	MS9319-116	.37	MS9319-162	.59
.875			MS9319-072	.21	MS9319-118	.40	MS9319-164	.63
.938			MS9319-074	.23	MS9319-120	.42	MS9319-166	.67
1.000			MS9319-076	.24	MS9319-122	.45	MS9319-168	.71
1.062					MS9319-124	.47	MS9319-170	.75
1.125					MS9319-126	.50	MS9319-172	.79
1.188					MS9319-128	.52	MS9319-174	.83
1.250					MS9319-130	.55	MS9319-176	.86
1.312					MS9319-132	.58	MS9319-178	.90
1.375					MS9319-134	.60	MS9319-180	.94
1.438					MS9319-136	.62	MS9319-182	.98
1.500					MS9319-138	.65	MS9319-184	1.02

TABLE II - DIMENSIONS AND PART NUMBERS - CONTINUED

NOM SIZE	.188		.250		.312		.375	
L	PART NO.	APPROX WEIGHT LB/100	PART NO.	APPROX WEIGHT LB/100	PART NO.	APPROX WEIGHT LB/100	PART NO.	APPROX WEIGHT LB/100
.125								
.156								
.188								
.219								
.250	MS9319-190	.38						
.281	MS9319-191	.41						
.312	MS9319-192	.44	MS9319-238	.89				
.344	MS9319-193	.47	MS9319-239	.94				
.375	MS9319-194	.50	MS9319-240	.99				
.406	MS9319-195	.53	MS9319-241	1.04				
.438	MS9319-196	.54	MS9319-242	1.09				
.469	MS9319-197	.58	MS9319-243	1.14				
.500	MS9319-198	.61	MS9319-244	1.19				
.531	MS9319-199	.64	MS9319-245	1.24				
.562	MS9319-200	.67	MS9319-246	1.29	MS9319-292	2.15		
.594	MS9319-201	.69	MS9319-247	1.34	MS9319-293	2.23		
.625	MS9319-202	.72	MS9319-248	1.39	MS9319-294	2.31		
.656	MS9319-203	.75	MS9319-249	1.44	MS9319-295	2.39		
.688	MS9319-204	.78	MS9319-250	1.49	MS9319-296	2.47		
.719	MS9319-205	.81	MS9319-251	1.54	MS9319-297	2.54		
.750	MS9319-206	.83	MS9319-252	1.59	MS9319-298	2.62	MS9319-344	4.00
.812	MS9319-208	.89	MS9319-254	1.69	MS9319-300	2.77	MS9319-346	4.22
.875	MS9319-210	.95	MS9319-256	1.79	MS9319-302	2.93	MS9319-348	4.45
.938	MS9319-212	1.00	MS9319-258	1.89	MS9319-304	3.09	MS9319-350	4.68
1.000	MS9319-214	1.06	MS9319-260	1.99	MS9319-306	3.25	MS9319-352	4.90
1.062	MS9319-216	1.12	MS9319-262	2.09	MS9319-306	3.41	MS9319-354	5.11
1.125	MS9319-218	1.17	MS9319-264	2.19	MS9319-310	3.57	MS9319-356	5.35
1.188	MS9319-220	1.23	MS9319-266	2.29	MS9319-312	3.71	MS9319-358	5.56
1.250	MS9319-222	1.28	MS9319-268	2.39	MS9319-314	3.87	MS9319-360	5.80
1.312	MS9319-224	1.34	MS9319-270	2.49	MS9319-316	4.03	MS9319-362	6.04
1.375	MS9319-226	1.39	MS9319-272	2.59	MS9319-318	4.19	MS9319-364	6.25
1.438	MS9319-228	1.45	MS9319-274	2.69	MS9319-320	4.34	MS9319-366	6.48
1.500	MS9319-230	1.51	MS9319-276	2.79	MS9319-322	4.50	MS9319-368	6.70