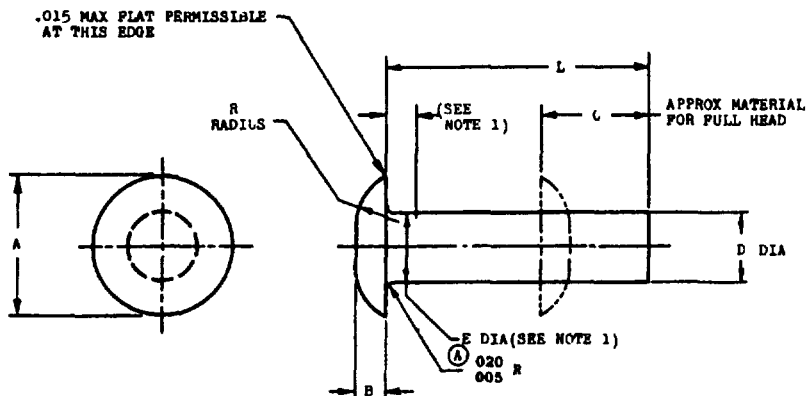


FED SUP CLASS
5320

MS9319



NOMINAL SIZE	A	B $\pm .010$ -.000	C	D	E	R	(2) S
.042	.119 - .131	.027	.094	.061 - .063	.061 - .064	.054	.010
.094	.179 - .197	.040	.141	.093 - .095	.093 - .096	.062	.010
.125	.238 - .262	.054	.186	.123 - .126	.123 - .126	.106	.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	.243 - .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

1. DISTANCE .060 FOR LENGTHS 1.08 AND SHORTER AND .100 FOR LENGTHS LONGER THAN .12
2. A DIA MUST BE CONCENTRIC WITH D DIA WITHIN 5 FULL INDICATOR READING
3. MATERIAL AND MPQ: NICKEL COPPER ALLOY, CORROSION RESISTANT, AMS 7233
4. REMOVE JURRS AND BREAK SHARP EDGES .000 - .015
5. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED TOLERANCES, LINEAR DIMENSIONS $\pm .010$
6. IDENTIFICATION MARK MS9319-XXX AND MANUFACTURERS IDENTIFICATION ON CONTAINER
7. DO NOT USE UNASSIGNED PART NUMBERS

AS AND AMS ARE SAE PUBLICATIONS.

(A) FOR CHANGES SEE SHEETS 1 & 2

THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE ENGINE AND PROPELLER UTILITY PARTS COMMITTEE OF THE SAE

P.A. USAF - 82 Other Cust Army - AV Navy - AS	TITLE RIVET, SOLID - UNIVERSAL HEAD, AMS 7233	MILITARY STANDARD MS9319
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET 1 OF 2

DD FORM 1 MAY 62 672-1

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5320-0228

APPROVED 27 Jun 74
REVISED 27 Jun 74User activities Army - ME
Navy -
Air Force -
DSA -Review activities Army -
Navy -
Air Force - II
DSA -

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

MS9319

FED SUP CLASS
5320User activities
Army
Navy
Air Force
DSAReview activities
Army
Navy
Air Force
DSA

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P.A. USAF - 82	(A)	TITLE	MILITARY STANDARD
Other Cust Army - AV Navy - AS		RIVET, SOLID - UNIVERSAL HEAD, AMS 7233	MS9319
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:		SHEET 2 OF 2

DD FORM 672-1

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5320-0228

*U S GOVERNMENT PRINTING OFFICE 1974-603-109/1172

APPROVED 9 MAY 62 REVISED (A) FOR CHANGES SEE SHEETS 1 & 2

NOM SIZE	Q62		.094		.125		.156		.188		.250		.312		.375	
	PART NO.	WEIG IN LB/100	PART NO.	APPROX WEIGHT LB/100	PART NO.	APPROX WEIGHT LB/100	PART NO.	APPROX WEIGHT LB/100	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	MS9319-050	.06	MS9319-096	.13	MS9319-144	.24	MS9319-190	.38	MS9319-240	.50	MS9319-290	2.15		
.150	MS9319-003	.02	MS9319-051	.07	MS9319-097	.14	MS9319-145	.25	MS9319-191	.39	MS9319-241	.51	MS9319-291	2.23		
.188	MS9319-004	.03	MS9319-052	.08	MS9319-098	.15	MS9319-146	.26	MS9319-192	.40	MS9319-242	.52	MS9319-292	2.30		
.219	MS9319-005	.03	MS9319-053	.09	MS9319-099	.16	MS9319-147	.27	MS9319-193	.41	MS9319-243	.53	MS9319-293	2.37		
.250	MS9319-006	.03	MS9319-054	.10	MS9319-100	.17	MS9319-148	.28	MS9319-194	.42	MS9319-244	.54	MS9319-294	2.44		
.312	MS9319-007	.04	MS9319-055	.11	MS9319-101	.18	MS9319-149	.29	MS9319-195	.43	MS9319-245	.55	MS9319-295	2.51		
.344	MS9319-008	.04	MS9319-056	.12	MS9319-102	.19	MS9319-150	.30	MS9319-196	.44	MS9319-246	.56	MS9319-296	2.58		
.375	MS9319-009	.04	MS9319-057	.13	MS9319-103	.20	MS9319-151	.31	MS9319-197	.45	MS9319-247	.57	MS9319-297	2.65		
.408	MS9319-010	.04	MS9319-058	.14	MS9319-104	.21	MS9319-152	.32	MS9319-198	.46	MS9319-248	.58	MS9319-298	2.72		
.438	MS9319-011	.04	MS9319-059	.15	MS9319-105	.22	MS9319-153	.33	MS9319-199	.47	MS9319-249	.59	MS9319-299	2.79		
.469	MS9319-012	.05	MS9319-060	.16	MS9319-106	.23	MS9319-154	.34	MS9319-200	.48	MS9319-250	.60	MS9319-300	2.86		
.500	MS9319-013	.05	MS9319-061	.17	MS9319-107	.24	MS9319-155	.35	MS9319-201	.49	MS9319-251	.61	MS9319-301	2.93		
.531	MS9319-014	.05	MS9319-062	.18	MS9319-108	.25	MS9319-156	.36	MS9319-202	.50	MS9319-252	.62	MS9319-302	3.00		
.562	MS9319-015	.06	MS9319-063	.19	MS9319-109	.26	MS9319-157	.37	MS9319-203	.51	MS9319-253	.63	MS9319-303	3.07		
.594	MS9319-016	.06	MS9319-064	.20	MS9319-110	.27	MS9319-158	.38	MS9319-204	.52	MS9319-254	.64	MS9319-304	3.14		
.625	MS9319-017	.07	MS9319-065	.21	MS9319-111	.28	MS9319-159	.39	MS9319-205	.53	MS9319-255	.65	MS9319-305	3.21		
.656	MS9319-018	.07	MS9319-066	.22	MS9319-112	.29	MS9319-160	.40	MS9319-206	.54	MS9319-256	.66	MS9319-306	3.28		
.688			MS9319-067	.23	MS9319-113	.30	MS9319-161	.41	MS9319-207	.55	MS9319-257	.67	MS9319-307	3.35		
.719			MS9319-068	.24	MS9319-114	.31	MS9319-162	.42	MS9319-208	.56	MS9319-258	.68	MS9319-308	3.42		
.750			MS9319-069	.25	MS9319-115	.32	MS9319-163	.43	MS9319-209	.57	MS9319-259	.69	MS9319-309	3.49		
.812			MS9319-070	.26	MS9319-116	.33	MS9319-164	.44	MS9319-210	.58	MS9319-260	.70	MS9319-310	3.56		
.875			MS9319-071	.27	MS9319-117	.34	MS9319-165	.45	MS9319-211	.59	MS9319-261	.71	MS9319-311	3.63		
.938			MS9319-072	.28	MS9319-118	.35	MS9319-166	.46	MS9319-212	.60	MS9319-262	.72	MS9319-312	3.70		
.999			MS9319-073	.29	MS9319-119	.36	MS9319-167	.47	MS9319-213	.61	MS9319-263	.73	MS9319-313	3.77		
1.000			MS9319-076	.24	MS9319-122	.45	MS9319-168	.71	MS9319-214	1.06	MS9319-260	1.99	MS9319-306	3.25	MS9319-352	4.90
1.062					MS9319-124	.47	MS9319-170	.75	MS9319-216	1.12	MS9319-262	2.09	MS9319-308	3.31	MS9319-354	5.11
1.125					MS9319-126	.50	MS9319-172	.79	MS9319-218	1.17	MS9319-264	2.19	MS9319-310	3.37	MS9319-356	5.35
1.188					MS9319-128	.52	MS9319-174	.83	MS9319-220	1.23	MS9319-266	2.29	MS9319-312	3.43	MS9319-358	5.56
1.250					MS9319-130	.55	MS9319-176	.86	MS9319-222	1.28	MS9319-268	2.39	MS9319-314	3.49	MS9319-360	5.80
1.312					MS9319-132	.58	MS9319-178	.90	MS9319-224	1.34	MS9319-270	2.49	MS9319-316	3.55	MS9319-362	6.04
1.375					MS9319-134	.60	MS9319-180	.94	MS9319-226	1.39	MS9319-272	2.59	MS9319-318	3.61	MS9319-364	6.25
1.438					MS9319-136	.62	MS9319-182	.98	MS9319-228	1.45	MS9319-274	2.69	MS9319-320	3.67	MS9319-366	6.46
1.500					MS9319-138	.65	MS9319-184	1.02	MS9319-230	1.51	MS9319-276	2.79	MS9319-322	3.73	MS9319-368	6.70