



SHALLOW DRILLED FOR METAL

DIA	(a) A ±.005 DIA	B	C DIA	G DIA	H ±.005	J DIA	(b) M	(b) N	P	S DIA	
										MAX	MIN
3/32	.088			.121	.024				.042	.066	.062
1/8	.121			.216	.033	.250			.062	.108	.084
9/64	.146	.047	.122			.112	.094		.127	.120	.097
1/4	.186	.059	.127	.312	.045	.359	.125	.094		.137	.133

DIA	LARGE METRIC SIZE RATH NUMBERS (FOR MILL STAMPS)											
	1/4	5/16	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
3/32	2-2	2-4	2-6	2-8	2-10	2-12	2-14	2-16	2-18	2-20	2-22	2-24
1/8	3-2	3-4	3-6	3-8	3-10	3-12	3-14	3-16	3-18	3-20	3-22	3-24
9/64	4-2	4-4	4-6	4-8	4-10	4-12	4-14	4-16	4-18	4-20	4-22	4-24
1/4	5-2	5-4	5-6	5-8	5-10	5-12	5-14	5-16	5-18	5-20	5-22	5-24

- (a) USE WASHER APPROX. ON 1/8, DIA. STYLE A RIVET. APPROX. ON 3/16 DIA. STYLE A RIVET.
- (b) M AND N = DIMENSIONS IN INCHES.
- (c) HARK DIMENSIONS IN INCHES WITHIN .11 INCH OF EACH HEAD.
- (d) DIMENSIONAL CONSTRAINTS ARE APPLICABLE TO ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.
- (e) THESE STYLE CHANGES ARE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE FED. SPEC. OR NAVY SPECIFICATIONS.
- (f) IN DRAWINGS ON THE DESIGN AND CONSTRUCTION OF AIRCRAFT.
- (g) MATERIALS SHALL BE SPECIFIED AS FOLLOWS: COPPER, SPECIFICATION C95500; BRASS, SPEC. 1010 OR 1020 YIELD STEEL, OR ALUMINUM ALLOY, SPECIFICATION 2024-T3 OR 2024-T351; MILD STEEL, SPECIFICATION 1008 OR 1010; ALUMINUM ALLOY 7075-T6.
- (h) FINISH: MILD STEEL RIVETS SHALL BE ZINC PLATED, SPECIFICATION QQ-P-354; OR ZINC PLATED, SPECIFICATION QQ-Z-305.
- (i) PART NUMBERS SHALL SHOW STYLE LETTER BEFORE DASH NUMBER AND C FOR COPPER, B FOR BRASS, M FOR MILD, OR AL FOR ALUMINUM ALLOY BETWEEN THE DASH NUMBERS.

- EXAMPLE OF PART NUMBERS: MS20450A12C8 = STYLE A, COPPER, 3/16 DIA., 1/4 LONG.
- MS20450B12-8 = STYLE C, MILD STEEL, 3/16 DIA., 1/4 LONG.
- MS20450C12B8 = STYLE C, BRASS, 3/16 DIA., 1/4 LONG.
- MS20450D12A8B = STYLE D, ALUMINUM ALLOY, 3/16 DIA., 1/4 LONG.
- MS20450A12M8 = STYLE D, MONEL, 3/16 DIA., 1/4 LONG.

DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.016.

INACTIVE FOR NEW DESIGN AFTER 1 FEBRUARY 1968 USE MS16535 AND MS16536

STYLE A AND STYLE C RIVETS SHALL BE USED IN ALL APPLICATIONS UNLESS OTHERWISE SPECIFIED.

FOR DESIGN FEATURES, MATERIALS, AND DIMENSIONS, REFER TO THE SPECIFICATIONS AND DRAWINGS OF THE APPLICABLE FED. SPEC. OR NAVY SPECIFICATIONS.

Review activities: USAP - 82, 85
 This military standard is approved by the Dept. of the Air Force and the Naval Air Systems Command and is mandatory for use by these activities. All other military activities are required to apply this standard where suitable.

APPROVED 1 Jan 57 REVISED 1 20 Aug 57 1 Feb 63 15 Oct 68

P.A. Other Code DATE 1-22	TITLE RIVET, TYPE 2045	MILITARY STANDARD MS20450(ASG) SHEET 1 OF 1
PROCUREMENT SPECIFICATION (1) MS20450	SUPERSEDES: None	

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