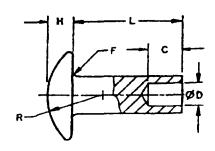
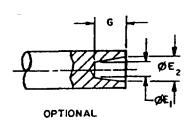
Form Approved OMB No. 0704-0188



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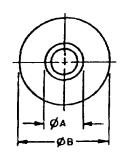


TABLE I

	.061		.089		.123		.146		.188		
NOMINAL SIZE	MIN	MAX	MIN	HAX	MIN	MAX	HŒN	MAX	MIN	MA	
BODY DIAMETER GA HEAD DIAMETER GB HEAD THICKNESS H STRAIGHT BULE D TAPER AT BOTTOM OF BULE GE, TAPER AT END OF RIVET GE, FILLET	.058 .104 .015 .039 .032 .042	.061 .114 .019 .044 .046	.085 .142 .020 .062 .050 .064	.089 .152 .026 .068	.118 .213 .030 .084 .679	.123 .223 .038 .090 .095	.141 .229 .035 .100 .085	.146 .239 .045 .107 .112 .020	.182 .306 .055 .134 .110	.186 .314 .065 .141	
HOLE DEPTH (DAPER) G	.042	L	.057	L	.082	Ĺ	.104	<u> </u>	.135	L	
HOLE DEPTH (STRAIGHT) NOM C APPROX RADIUS R CLINCH ALLOWANCE 1/	.046 .160 .037		.064 .220 .064		.094 .310 .074		.126 .270 .089		.155 .250 .120		

FOR REFERENCE ONLY. OPTIMUM VALUES VARY WITH CHARACTERISTICS OF MATERIALS TO BE RIVETED, AND SHOULD BE DETERMINED BY ACTUAL TEST IF POSSIBLE.

REQUIREMENTS:

- MATERIAL. STEEL, CARBON, COMPOSITION 1005 THRU 1022 (UNS G10050 THRU UNS G10200), IN ACCORDANCE WITH ASTM A29/A29M. BRASS 1/8 TO 1/4 BARD, COMPOSITION 260 OR 270, (UNS C26000 OR UNS C27000), IN ACCORDANCE WITH QQ-W-321. ALLMINUM ALLOY, COMPOSITION 2117-T4 OR 5056-H32, (UNS A92117 OR UNS A95056), IN ACCORDANCE WITH QQ-A-430. NICKEL-COPPER ALLOY (MONEL), CLASS A, NO. 0 TEMPER, (UNS NO.4400), IN ACCORDANCE WITH QQ-N-281.
 COPPER, TYPE S, (UNS C10200), IN ACCORDANCE WITH QQ-W-343.
 CORROGION RESISTANT STEEL, CLASS 302, 304, OR 305 (UNS S30200, UNS S30400, OR UNS S30500) IN ACCORDANCE WITH QQ-S-763.
- (J) 2. PROTECTIVE COATING: STEEL, CARBON, CALMIUM PLATED, TYPE II, CLASS 2, IN ACCORDANCE WITH QQ-P-416. BRASS, BLACK (OXIDE) FINISH, IN ACCORDANCE WITH MIL-F-495, OR NICKEL PLATING, CLASS 1, FULLY BRIGHT, 0.0002 THICK, IN ACCORDANCE WITH QQ-N-290. ALIMINAM ALLOY, COMPOSITIONS 2117-T4 AND 5056-H32 ANDDIZED IN ACCORDANCE WITH MIL-A-8625 OR GIVEN A CHEMICAL FILM AS SPECIFIED IN MIL-C-5541. CORROSION RESISTANT STEEL, PASSIVATED IN ACCORDANCE WITH QQ-P-35.

32,000 PSI MIN 35,000 PSI MIN 26,000 PSI MIN 24,000 PSI MIN 49,000 PSI MIN DOUBLE SHEAR STRENGTH. CARBON STEEL RIVETS BRASS RIVETS ALUMINUM RIVETS (2117) ALIMINM RIVETS (5056)
NICKEL ALLOY (MONEL) RIVETS
COPPER RIVETS
CORROSION RESISTANT STEEL RIVETS 24,000 PSI MIN 65,000 PSI MIN

TOLERANCES: TOLERANCES ARE +.005 FOR DECIMAL DIMENSIONS, UNLESS OTHERWISE SPECIFIED. LENGTH TOLERANCES SHALL BE IN ACCORDANCE WITH ANSI B18.7.

(J) DENOTES CHANGE

INCH-POUND

SPECIFICATION SHEET NUMBER

CUSTODIANS: ARMY-AR NAVY-OS AR FORCE-99 DLAREVIEW: ARM Y-EA, GL, MI AIR FORCE-82
DLA-IS NSA-NS
USER: ARMY-ER, ME NAVY-MC PROJECT NUMBER: 5320-0779

PREPARING ACTIVITY: ARMY-AR

MILITARY SPECIFICATION SHEET TILE

RIVET - TUBULAR, OVAL HEAD

MS16535J 26 MAY 92 SUPERSEDING MS16535H 21 NOV 89 FSC - 5320 AMSC-N/A

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Page 1 of _3

DISTRIBUTION STATEMENT

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Form Approved OMB No. 0704--0188

PART NUMBER. THE PART NUMBER SHALL CONSIST OF THE BASIC MS SHEET NUMBER, FOLLOWED BY A DASH NUMBER TAKEN FROM TRALE II. ADD "N" AS A SUFFIX TO DASH NUMBER FOR NICKEL PLATING TO BRASS MATERIAL.
ADD "A" IN LIEU OF DASH FOR ALUMINUM ALLOY, COMPOSITION 5056-832, (UNS A95056).

```
EXAMPLE : M616535-11N
                            FINISH CODE NICKEL PLATE (BUASS)
                            DASH NUMBER
                            BASIC MS SHEET MUNBER
```

EXAMPLE:

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RIVET, CARBON STEEL, CAINIUM PLATED.
RIVET, BRASS, BLACK (OXIDE) FINISH.
RIVET, BRASS, NICKEL FLATE FINISH.
RIVET, ALIMINIM ALLOY, COMPOSITION NO. 2117-T4, (UNS A92117).
RIVET, ALIMINIM ALLOY, COMPOSITION NO. 5056-H32, (UNS A95056).
MS16535-1
MS16535-11
MS16535-11N
MS16535-21
MS16535A21
MS16535-424
                              RIVET, CORROSION RESISTANT STEEL PASSIVATED
```

NOTES:

- ALL DIMENSIONS ARE IN INCHES. 1. DIMENSIONS.
- IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.
- REFERENCED GOVERNMENT (OR NON-GOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.
- ADDITIONAL SUPERSESSION DATA SUPERSEDES: MS20450 IN PART.

SPECIFICATION SHEET NUMBER PREPARING ACTIVITY: ARMY-AR MILITARY SPECIFICATION SHEET CUSTODIANS: ARMY-AR NAVY- OS MS16535J 26 MAY 92 TITLE AR FORCE-99 DLAREMEW: ARMY-EA, GL MI AIR FORCE-82
DLA-IS NSA-NS
USER: ARMY-ER, ME NAVY-MC SUPERSEDING RIVET-TUBULAR OVAL HEAD MS16535H 21 NOV 89 AMSC-N/A FSC - 5320 PROJECT NUMBER: 5320-0779 DISTRIBUTION STATEMENT Page 2 3 A Approved for public release; distribution is unlimited.

THE REGUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREM SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE DODIES SPECIFIED IN THAT ISSUE OF THE DODIES SPECIFIED IN THE SOLICITATION: FF-R-556

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.

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ULAHS NSA-NS USER: ARMY-ER, ME NAVY-MC PROJECT NUMBER: 5320-0779	2		F	AMSC- N/A	FSC - 5320			
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