

INCH- POUND

MIL-R-24243/10D

22 June 1994

SUPERSEDING

MIL-R-24243/10C

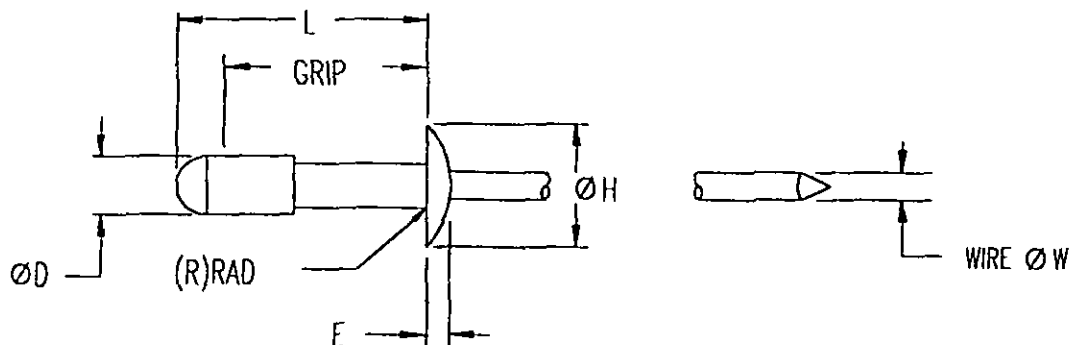
17 December 1990

MILITARY SPECIFICATION SHEET

RIVETS, BLIND, NONSTRUCTURAL, RETAINED MANDREL,
OPEN-END, DOMED HEAD, ALUMINUM ALLOY

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of the following specification listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation: MIL-R-24243



NOTES:

1. All dimensions are in inches.

FIGURE 1. RIVETS

REQUIREMENTS:

1. Material. Blind rivets shall be furnished in the following material combinations and dimensions.

AMSC N/A

FSC 5320

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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TABLE I. MATERIAL COMBINATION SYMBOLS

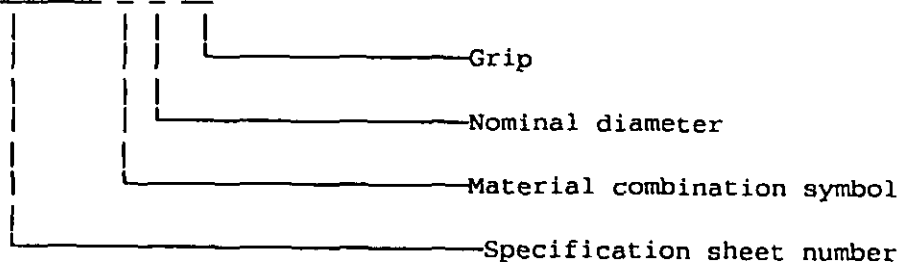
SYMBOL	COMBINATION	
	BODY	MANDREL
A	5052 Aluminum Alloy (UNS A95052)	1016-1025 Steel (UNS G10160-G10250)

TABLE II. BASIC DIMENSIONS

NOM DIA	BASIC DIMENSIONS					
	D	H	E	R MAX	W NOM	RECOMMENDED HOLE SIZE
1/8	.128	.262	.041	.020	.074	.134-.138
	.124	.243	.034			
5/32	.160	.321	.051	.020	.090	.164-.168
	.155	.302	.044			
3/16	.190	.396	.061	.030	.112	.197-.201
	.185	.377	.054			

2. Part Number. The part number shall consist of the letter "M", the basic number of this specification sheet, followed by a dash number consisting of a material combination symbol, a nominal body diameter size code in thirty-seconds of an inch, and a maximum grip code in sixteenths of an inch taken from Table III.

EXAMPLE: M24243/10 A 4 12



M24243/10A412 Indicates - Rivet, blind, nonstructural, retained mandrel, open-end, domed head, 5052 (UNS A95052) aluminum alloy body, 1012-1025 (UNS G10120-G10250) or 1045-1075 (UNS G10450-G10750) mandrel; nominal body diameter size, .125; grip range, .031-.187.

3. Changes from previous issues. Asterisks are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

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TABLE III. DASH NUMBERS AND DIMENSIONS

DASH NUMBER	L	RECOMMENDED GRIP RANGE
A410	.410 .350	.031-.187
A412	.470 .410	.062-.250
A414	.520 .480	.125-.312
A416	.590 .540	.187-.375
A512	.480 .430	.046-.250
A514	.540 .490	.125-.312
A516	.610 .550	.156-.375
A613	.550 .470	.062-.250
A615	.610 .520	.125-.312
A619	.730 .660	.187-.437
A621	.800 .710	.250-.500
A631	1.110 1.030	.500-.781

Custodians:

Army - AR
Navy - AS
Air Force - 99

Preparing Activity:
DLA-IS

Review Activities:

Army - AV, MI
Air Force - 82
National Security Agency - NS

(Project 5320-0809-10)