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Rivet Identification: Heads, Markings and Part Numbers

Head · mark · alloy · part number

REFERENCE DRAWING — NOT APPROVED DATA · THE SRM ALWAYS GOVERNS

DECODE

READING MS20470AD4-6

MS	20470	AD	4	– 6
MILITARY STANDARD	HEAD: UNIVERSAL	ALLOY: 2117-T	DIA. 4/32 IN	LENGTH 6/16 IN

HEADS

SECTION, SHANK DIAMETER D



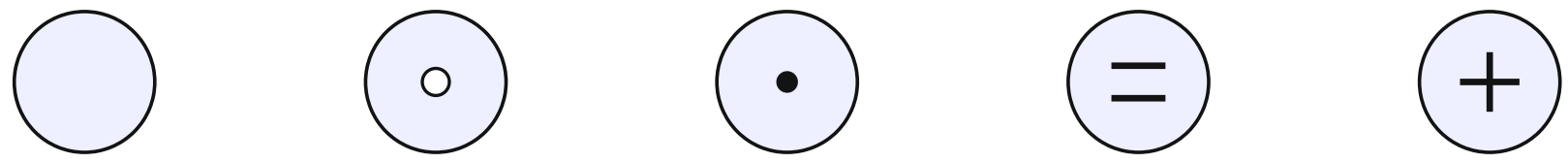
MS20470 / AN470 UNIVERSAL

MS20426 / AN426 COUNTERSUNK

HEAD SHAPE IS IN THE SERIES
ALLOY IS IN THE LETTERS

PLAN

HEAD MARKINGS



A	AD	D	DD	B
1100 · NONE	2117-T · DIMPLE	2017-T · TEAT	2024-T · 2 DASHES	5056 · CROSS

PARTS LIST

FIELD	TELLS YOU	HOW IT READS	SOURCE
AN/MS	Standard	Prefix names the standard; the series number names the head	H-8083-31B p. 4-31
Letters	Alloy	A, AD, D, DD, B as above; E has replaced most DD	H-8083-31B p. 4-31
First dash number	Diameter	In thirty-seconds of an inch	p. 4-31
Second number	Length	In sixteenths; half sizes as 3.5 (MS20470AD4-3.5)	AC par. 4-57a(4)

NOTES

1. Dimensions in inches. Do not scale: the SRM sets the values.
2. For reference. The applicable manual always governs.
3. Based on AC 43.13-1B par. 4-57.

REVISIONS

REV	DESCRIPTION	DATE
A	First issue	2026-10-30

The Aviation Point.			Structural repair reference
TITLE: Rivet identification			
DRAWING NO.: TAP-DWG-052	REV: A	SCALE: NTS	SHEET: 1 OF 1
APPLIES TO: Solid shank rivets			
DO NOT SCALE DRAWING			

After AC 43.13-1B par. 4-57 (Fig. 4-4, Table 4-8) and FAA-H-8083-31B pp. 4-30, 4-31. Typical only.

Head marks and alloys

Letter	Alloy	Head mark	Note
A	1100	None	Soft, non-structural
AD	2117-T	Dimple	Most used repair rivet: installed as received
D	2017-T	Raised teat	Higher strength than AD
DD	2024-T	Two dashes	Too hard as received: annealed and kept cold, the "ice box" rivet
B	5056	Raised cross	

Key points

- **Mark on the manufactured head only.**
- Part number: **head, alloy, 32nds, 16ths.**

Step by step

1. Drawing or SRM first.
2. Head shape, then the mark.
3. Measure, write the number.

SOURCES · FAA-H-8083-31B, Aviation Maintenance Technician Handbook: Airframe, Chapter 4 · FAA AC 43.13-1B CHG 1, Acceptable Methods, Techniques and Practices

SCAN · OPEN THIS GUIDE
theaviationpoint.com/standard-practices/rivet-identification/

Educational reference only, not approved data. Always consult the applicable SRM, AMM, or AC 43.13-1B and your certifying authority.