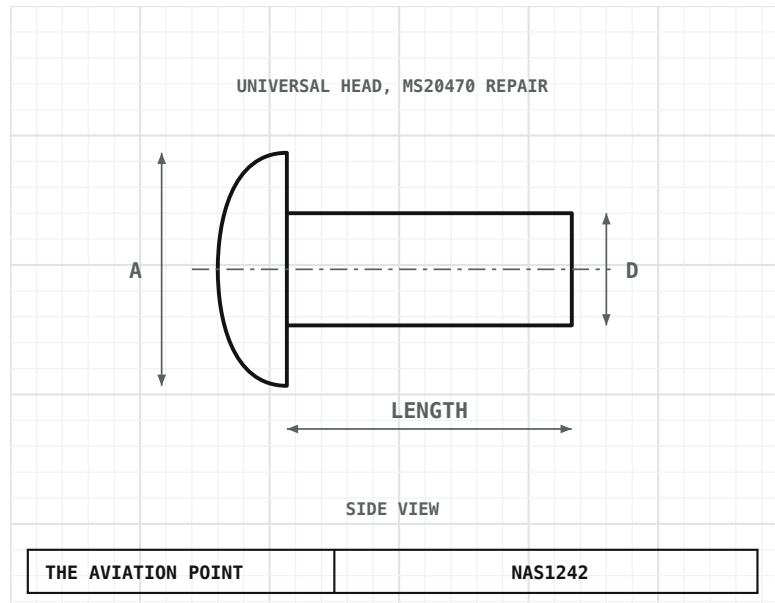
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NAS1242 rivet — universal head, MS20470 repair

Rivet, Solid, universal head, Oversize, Aluminum Alloy: nominal sizes and commonly stocked part numbers.



NAS1242



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Solid rivet, universal head, repair
Material	2117-T4 aluminum alloy (AD)
Status	Check the current issue before design use.

Dimensions by size

Dimension, in	.140	.172	.219, see note
D — Nominal shank diameter	.140	.172	.219, see note
A — Head diameter	—	—	—

Nominal diameters. Blank cells: not stated in the documents we hold; take them from the standard. The shank for -6 is not settled: 1/64 in over nominal gives 0.203 in, but the distributor catalogue (checked on the printed page) lists 0.219 in for NAS1241 and NAS1242 -6 (the -4 and -5 rows, 0.140 and 0.172, are 1/64 in over). Confirm the shank against the standard.

Part numbers

.140 9 part numbers

Part no.	Length, in
NAS1242AD4-3	.188
NAS1242AD4-4	.250
NAS1242AD4-5	.312
NAS1242AD4-6	.375
NAS1242AD4-7	.438
NAS1242AD4-8	.500
NAS1242AD4-9	.562
NAS1242AD4-10	.625
NAS1242AD4-12	.750

.172 9 part numbers

Part no.	Length, in
NAS1242AD5-3	.188
NAS1242AD5-4	.250
NAS1242AD5-5	.312
NAS1242AD5-6	.375
NAS1242AD5-7	.438
NAS1242AD5-8	.500
NAS1242AD5-9	.562
NAS1242AD5-10	.625
NAS1242AD5-12	.750

.219, see note 8 part numbers

Part no.	Length, in
NAS1242AD6-4	.250
NAS1242AD6-5	.312
NAS1242AD6-6	.375
NAS1242AD6-7	.438
NAS1242AD6-8	.500
NAS1242AD6-9	.562
NAS1242AD6-10	.625
NAS1242AD6-12	.750

How to read the part number

Part	Meaning
AD	Material: 2117-T4 aluminum alloy
Example	NAS1242AD4-5 — 2117-T4 aluminum alloy, .140 in diameter, .312 in long

Notes

- The shank for -6 is not settled: 1/64 in over nominal gives 0.203 in, but the distributor catalogue (checked on the printed page) lists 0.219 in for NAS1241 and NAS1242 -6 (the -4 and -5 rows, 0.140 and 0.172, are 1/64 in over). Confirm the shank against the standard.
- Repair rivet for MS20470: oversize shank for a hole that has been opened up.
- A standard and an oversize rivet of the same size have the same head.
- Whether an oversize repair is acceptable at all is a question for the SRM or approved data.
- Part number format as commonly written; check the standard for the exact format.

SOURCES · NAS1242 — Rivet, Solid, universal head, Oversize, Aluminum Alloy

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/solid-rivets/nas1242/

Reference data. The aircraft manufacturer's documentation (SRM / IPC) takes precedence.