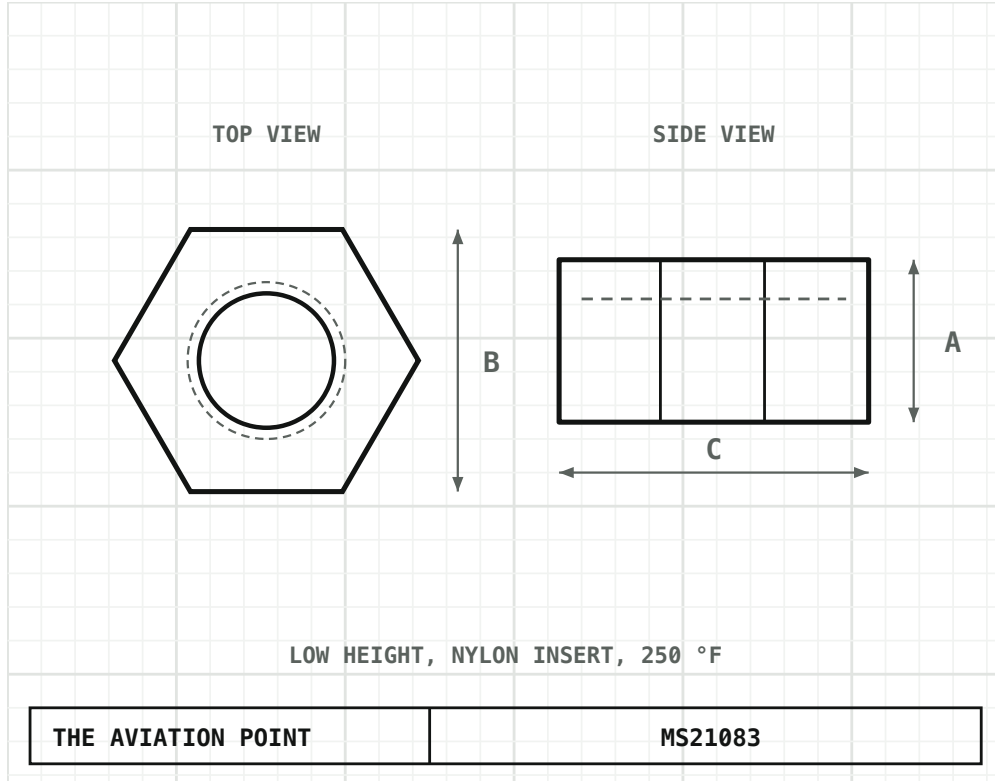
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MS21083 nut — low height, nylon insert, 250 °F

Nut, Self-Locking, Low Height, Nylon Insert, 250 °F: dimensions by thread size and part numbers as listed.



MS21083



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Self-locking nut
Material	Carbon steel (N), corrosion-resistant steel (C) or aluminum (D)
Locking	Non-metallic (nylon) insert
Max. temperature	250 °F
Status	Check the current issue of the standard before design use.

Dimensions by size

Dimension, in	.1120-40	.1380-32	.1640-32	.1900-32	.2500-28	.3125-24	.3750-24	.4375-20	.5000-20	.5625-18	.6250-18
A max — Height, max	.125	.141	.188	.188	.219	.266	.282	.328	.328	.375	.407
A min — Height, min	.094	.110	.157	.157	.188	.235	.251	.298	.298	.344	.376
B max — Across flats, max	.251	.313	.345	.376	.439	.502	.564	.690	.752	.877	.940
B min — Across flats, min	.243	.305	.336	.367	.430	.492	.553	.679	.741	.865	.928
C — Across corners, min	.268	.339	.374	.410	.482	.552	.622	.766	.837	.978	1.051

Dimensions in inches, as tabulated for the part. Blank cells (—): not stated in the documents we hold; take them from the standard.

Part numbers

.1120-40 3 part numbers

Part no.	Material	Old number (carbon steel)
MS21083N04	Carbon steel	MS20364-440A
MS21083D04	Aluminum	—
MS21083C04	Corrosion-resistant steel	—

.1380-32 3 part numbers

Part no.	Material	Old number (carbon steel)
MS21083N06	Carbon steel	MS20364-632A
MS21083D06	Aluminum	—
MS21083C06	Corrosion-resistant steel	—

.1640-32 3 part numbers

Part no.	Material	Old number (carbon steel)
MS21083N08	Carbon steel	MS20364-832A
MS21083D08	Aluminum	—
MS21083C08	Corrosion-resistant steel	—

.1900-32 3 part numbers

Part no.	Material	Old number (carbon steel)
MS21083N3	Carbon steel	MS20364-1032A
MS21083D3	Aluminum	—
MS21083C3	Corrosion-resistant steel	—

.2500-28 3 part numbers

Part no.	Material	Old number (carbon steel)
MS21083N4	Carbon steel	MS20364-428A
MS21083D4	Aluminum	—
MS21083C4	Corrosion-resistant steel	—

.3125-24 3 part numbers

Part no.	Material	Old number (carbon steel)
MS21083N5	Carbon steel	MS20364-524A
MS21083D5	Aluminum	—
MS21083C5	Corrosion-resistant steel	—

.3750-24 3 part numbers

Part no.	Material	Old number (carbon steel)
MS21083N6	Carbon steel	MS20364-624A
MS21083D6	Aluminum	—
MS21083C6	Corrosion-resistant steel	—

.4375-20 3 part numbers

Part no.	Material	Old number (carbon steel)
MS21083N7	Carbon steel	MS20364-720A
MS21083D7	Aluminum	—
MS21083C7	Corrosion-resistant steel	—

.5000-20 3 part numbers

Part no.	Material	Old number (carbon steel)
MS21083N8	Carbon steel	MS20364-820A
MS21083D8	Aluminum	—
MS21083C8	Corrosion-resistant steel	—

.5625-18 1 part number

Part no.	Material	Old number (carbon steel)
MS21083N9	Carbon steel	MS20364-918A

.6250-18 1 part number

Part no.	Material	Old number (carbon steel)
MS21083N10	Carbon steel	MS20364-1018A

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

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How to read the part number

Part	Meaning
Example	MS21083N4 — .2500-28 low-height nylon-insert self-locking nut, carbon steel

Notes

- Thread to MIL-S-8879. Dash prefix: N carbon steel, C corrosion-resistant steel, D aluminum.
- The old MS20364 numbers are listed against the carbon-steel nuts by size. Aluminum and corrosion-resistant versions are listed for 4-40 to 1/2-20; 9/16-18 and 5/8-18 are carbon steel only.
- Part number format as commonly written; check the standard for the exact format.
- Approved data governs. Use the nut the SRM, drawing or IPC calls for.

SOURCES · MS21083 — Nut, Self-Locking, Low Height, Nylon Insert, 250 °F

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/nuts/ms21083/

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