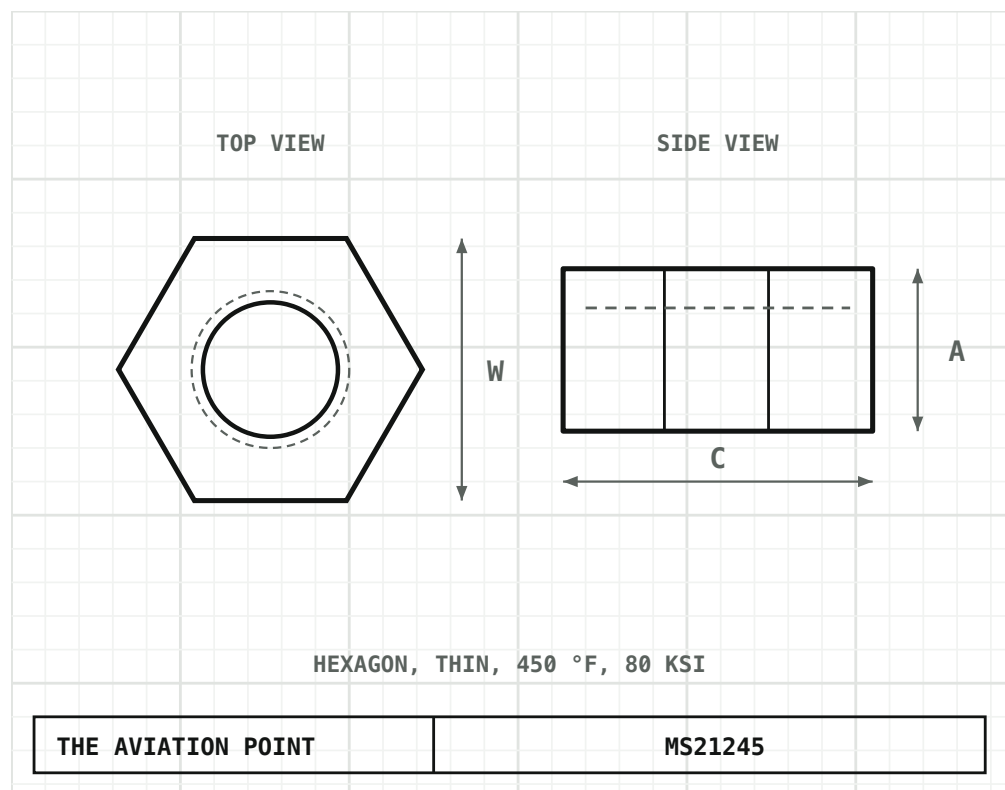
THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM

MS21245 nut — hexagon, thin, 450 °F, 80 ksi

Nut, Self-Locking, Hexagon, Thin, 450 °F, 80 KSI: dimensions by thread size and part numbers as listed.



MS21245



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Self-locking nut
Material	Steel (80 ksi)
Max. temperature	450 °F
Status	Check the current issue of the standard before design use.

Dimensions by size

Dimension, in	.4375-20	.5000-20	.5625-18	.6250-18	.7500-16	.8750-14
A — Height	.328	.328	.375	.407	.422	.485
C — Across corners	.765	.836	.978	1.050	1.192	1.405
D min — D, min	.448	.521	.584	.646	.777	.903
D max — D, max	.478	.551	.614	.676	.807	.933
F — F (see drawing)	.458	.531	.594	.656	.787	.913
W min — Across flats, min	.679	.741	.865	.928	1.052	1.239
W max — Across flats, max	.690	.752	.877	.940	1.064	1.252

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

Part numbers

.4375-20 2 part numbers

Part no.	Lubricant
MS21245-7	No dry-film lubricant
MS21245L7	Dry-film lubricant

.5625-18 2 part numbers

Part no.	Lubricant
MS21245-9	No dry-film lubricant
MS21245L9	Dry-film lubricant

.7500-16 2 part numbers

Part no.	Lubricant
MS21245-11	No dry-film lubricant
MS21245L12	Dry-film lubricant

.5000-20 2 part numbers

Part no.	Lubricant
MS21245-8	No dry-film lubricant
MS21245L8	Dry-film lubricant

.6250-18 2 part numbers

Part no.	Lubricant
MS21245-10	No dry-film lubricant
MS21245L10	Dry-film lubricant

.8750-14 2 part numbers

Part no.	Lubricant
MS21245-12	No dry-film lubricant
MS21245L14	Dry-film lubricant

How to read the part number

Part	Meaning
Example	MS21245-8 — .5000-20 thin self-locking nut, no dry-film lubricant

Notes

- Chamfer 30° ± 5° and 88° min countersink as on the drawing.
- 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 · MS21245 — Nut, Self-Locking, Hexagon, Thin, 450 °F, 80 KSI

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/nuts/ms21245/