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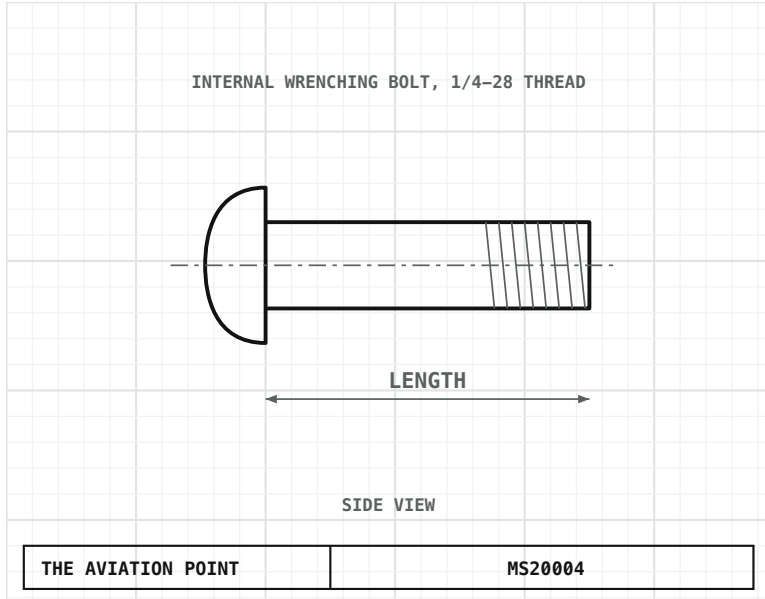
The Aviation Point

MS20004 — internal wrenching bolt, 1/4-28 thread

Bolt, Internal Wrenching: thread, grip, length and commonly stocked part numbers.



MS20004



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Internal wrenching bolt
Status	Check the current issue before design use.

Dimensions by size

Dimension, in	1/4-28
Thread	1/4-28

Thread as stated for the standard. Head and shank dimensions are not shown here: take them from the standard.

Part numbers

1/4-28 15 part numbers

Part no.	Grip, in	Length, in
MS20004-4	.250	.750
MS20004-6	.375	.875
MS20004-8	.500	1.000
MS20004-10	.625	1.125
MS20004-12	.750	1.250
MS20004-14	.875	1.375
MS20004-16	1.000	1.500
MS20004-18	1.125	1.625
MS20004-20	1.250	1.750
MS20004-22	1.375	1.875
MS20004-24	1.500	2.000
MS20004-26	1.625	2.125
MS20004-28	1.750	2.250
MS20004-30	1.875	2.375
MS20004-32	2.000	2.500

How to read the part number

Part	Meaning
Format	MS20004-<dash>
Example	MS20004-4 — Internal wrenching bolt, 1/4-28 thread, grip .250, length .750

Notes

- Grip tolerance ±.010.
- Listed as replacing NAS144, NAS145 and NAS146.
- Part number format as commonly written; check the standard for the exact format.
- Approved data governs. Use the bolt the SRM, drawing or IPC calls for.

SOURCES · MS20004 — Bolt, Internal Wrenching

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/structural-bolts/ms20004/

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