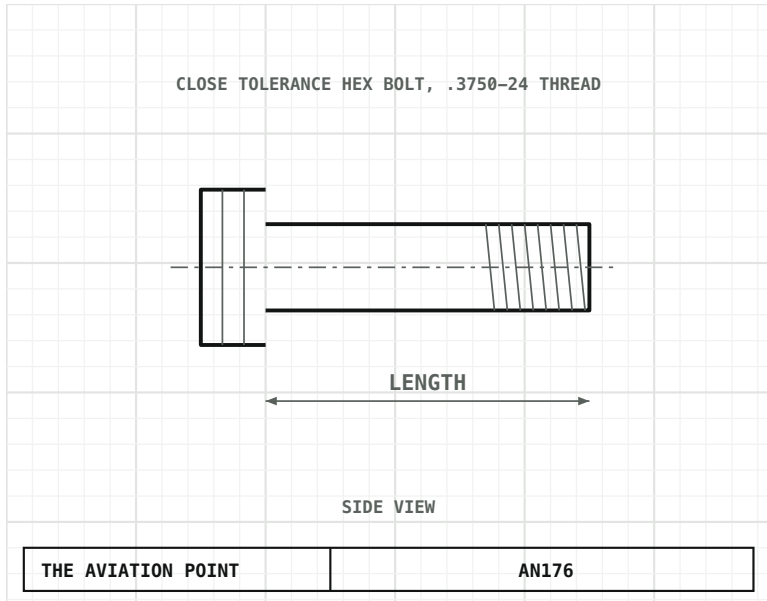
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AN176 — close tolerance hex bolt, .3750-24 thread

Bolt, Close Tolerance, Hexagon Head: thread, grip, length and commonly stocked part numbers.



AN176



Engineering drawing · dimensions in inches

Specification

Item	Value
Type	Close tolerance bolt
Status	Check the current issue before design use.

Dimensions by size

Dimension, in	.3750-24
Thread	.3750-24

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

Part numbers

.3750-24 29 part numbers

Part no.	Grip, in	Length, in
AN176-10A	7/16	1-5/64
AN176-10	7/16	1-5/64
AN176-11A	9/16	1-13/64
AN176-11	9/16	1-13/64
AN176-12A	11/16	1-21/64
AN176-12	11/16	1-21/64
AN176-13A	13/16	1-29/64
AN176-13	13/16	1-29/64
AN176-14A	15/16	1-37/64
AN176-14	15/16	1-37/64
AN176-15A	1-1/16	1-45/64
AN176-15	1-1/16	1-45/64
AN176-16A	1-3/16	1-53/64
AN176-16	1-3/16	1-53/64
AN176-17A	1-5/16	1-61/64
AN176-17	1-5/16	1-61/64
AN176-20A	1-7/16	2-5/64
AN176-20	1-7/16	2-5/64
AN176-21A	1-9/16	2-13/64
AN176-21	1-9/16	2-13/64
AN176-22A	1-11/16	2-21/64
AN176-22	1-11/16	2-21/64
AN176-23A	1-13/16	2-29/64
AN176-23	1-13/16	2-29/64
AN176-26	2-3/16	—
AN176-42	3-11/16	—
AN176-50	4-7/16	—
AN176-51	4-9/16	—
AN176H7A	3/16	—

How to read the part number

Part	Meaning
Format	AN176-<dash>
A	Variant: Undrilled shank (after the dash)
C	Variant: Corrosion resistant steel (after the basic number)
H	Variant: Drilled head (after the basic number)
Example	AN176-10A — Close tolerance bolt, .3750-24 thread, grip 7/16, length 1-5/64, drilled shank

Notes

- A after the dash number: undrilled shank (rows without A are drilled).
- C after the basic number: corrosion resistant steel. H after the basic number: drilled head. These variants appear in the rows with C or H in the number.
- Uncommon: may require lead time and factory minimums.
- 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.
- Length is left blank for AN176-26, AN176-42, AN176-50, AN176-51 and AN176H7A: the listed length does not agree with the grip in the pattern of the series. Confirm against the standard.

SOURCES · AN176 — Bolt, Close Tolerance, Hexagon Head

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/structural-bolts/an176/