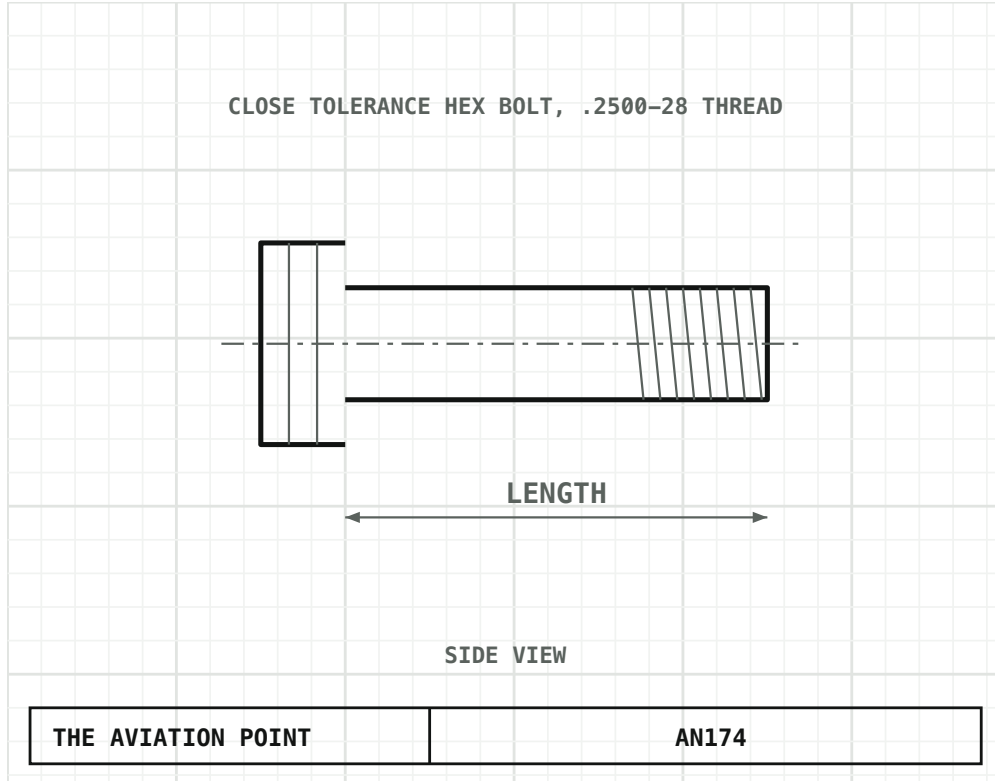
THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM

AN174 — close tolerance hex bolt, .2500-28 thread

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



AN174



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	.2500-28
Thread	.2500-28

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

Part numbers

.2500-28 61 part numbers

Part no.	Grip, in	Length, in
AN174-5A	3/16	21/32
AN174-5	3/16	21/32
AN174-6A	5/16	25/32
AN174-6	5/16	25/32
AN174-7A	7/16	29/32
AN174-7	7/16	29/32
AN174-10A	9/16	1-1/32
AN174-10	9/16	1-1/32
AN174-11A	11/16	1-5/32
AN174-11	11/16	1-5/32
AN174-12A	13/16	1-9/32
AN174-12	13/16	1-9/32
AN174-13A	15/16	1-13/32
AN174-13	15/16	1-13/32
AN174-14A	1-1/16	1-17/32
AN174-14	1-1/16	1-17/32
AN174-15A	1-3/16	1-21/32
AN174-15	1-3/16	1-21/32
AN174-16A	1-5/16	1-25/32
AN174-16	1-5/16	1-25/32
AN174-17A	1-7/16	1-29/32
AN174-17	1-7/16	1-29/32
AN174-20A	1-9/16	2-1/32
AN174-20	1-9/16	2-1/32
AN174-21A	1-11/16	2-5/32
AN174-21	1-11/16	2-5/32
AN174-22A	1-13/16	2-9/32
AN174-22	1-13/16	2-9/32
AN174-23A	1-15/16	2-13/32
AN174-23	1-15/16	2-13/32
AN174-24A	2-1/16	2-17/32
AN174-24	2-1/16	2-17/32
AN174-25A	2-3/16	2-21/32
AN174-25	2-3/16	2-21/32
AN174-26A	2-5/16	2-25/32
AN174-26	2-5/16	2-25/32
AN174-27A	2-7/16	2-29/32
AN174-27	2-7/16	2-29/32
AN174-30A	2-9/16	3-1/32
AN174-30	2-9/16	3-1/32
AN174-31A	2-11/16	3-5/32
AN174-31	2-11/16	3-5/32
AN174-32A	2-13/16	3-9/32
AN174-32	2-13/16	3-9/32
AN174-33A	2-15/16	3-13/32
AN174-33	2-15/16	3-13/32
AN174-34A	3-1/16	3-17/32
AN174-34	3-1/16	3-17/32
AN174-35A	3-3/16	3-21/32
AN174-35	3-3/16	3-21/32
AN174C7A	7/16	7/8
AN174H5A	3/16	5/8
AN174H6A	5/16	3/4
AN174H7A	7/16	7/8
AN174H10A	9/16	1
AN174H11A	11/16	1-1/8
AN174H12A	13/16	1-1/4
AN174H13A	15/16	1-3/8
AN174H14A	1-1/16	1-17/32
AN174H16A	1-5/16	1-3/4
AN174H22A	1-13/16	2-1/4

How to read the part number

Part	Meaning
Format	AN174-<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	AN174-5A — Close tolerance bolt, .2500-28 thread, grip 3/16, length 21/32, drilled shank

Notes

- A after the dash number: undrilled shank (rows without A are drilled).

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

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

- 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.
- 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 · AN174 — Bolt, Close Tolerance, Hexagon Head

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/structural-bolts/an174/

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

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