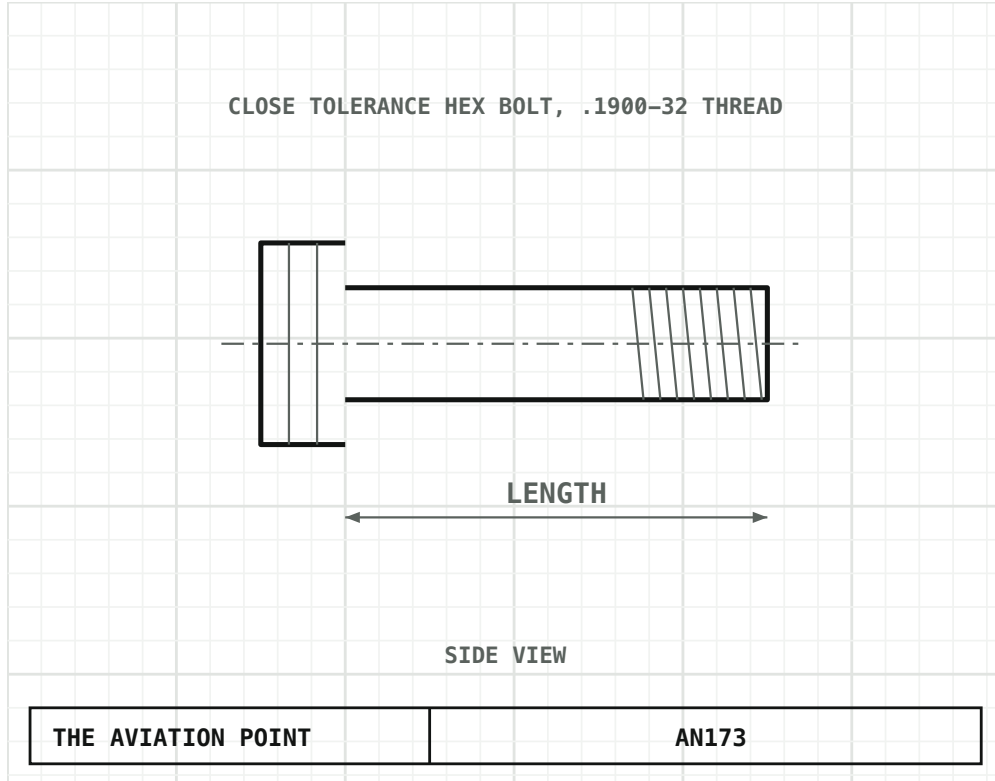
THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM · THE AVIATION POINT · THEAVIATIONPOINT.COM

AN173 — close tolerance hex bolt, .1900-32 thread

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



AN173



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	.1900-32
Thread	.1900-32

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

Part numbers

.1900-32 33 part numbers

Part no.	Grip, in	Length, in
AN173-3A	1/16	15/32
AN173-3	1/16	15/32
AN173-4A	1/8	17/32
AN173-4	1/8	17/32
AN173-5A	1/4	21/32
AN173-5	1/4	21/32
AN173-6A	3/8	25/32
AN173-6	3/8	25/32
AN173-7A	1/2	29/32
AN173-7	1/2	29/32
AN173-10A	5/8	1-1/32

Part no.	Grip, in	Length, in
AN173-10	5/8	1-1/32
AN173-11A	3/4	1-5/32
AN173-11	3/4	1-5/32
AN173-12A	7/8	1-9/32
AN173-12	7/8	1-9/32
AN173-13A	1	1-13/32
AN173-13	1	1-13/32
AN173-14A	1-1/8	1-17/32
AN173-14	1-1/8	1-17/32
AN173-15A	1-1/4	1-21/32
AN173-15	1-1/4	1-21/32

Part no.	Grip, in	Length, in
AN173-16A	1-3/8	1-25/32
AN173-16	1-3/8	1-25/32
AN173-17A	1-1/2	1-29/32
AN173-17	1-1/2	1-29/32
AN173-20A	1-5/8	2-1/32
AN173-20	1-5/8	2-1/32
AN173C5	1/4	5/8
AN173C5A	1/4	5/8
AN173C6A	3/8	3/4
AN173C10A	5/8	1
AN173C12A	7/8	1-1/4

How to read the part number

Part	Meaning
Format	AN173-<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	AN173-3A — Close tolerance bolt, .1900-32 thread, grip 1/16, length 15/32, 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.
- 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 · AN173 — Bolt, Close Tolerance, Hexagon Head

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/structural-bolts/an173/

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