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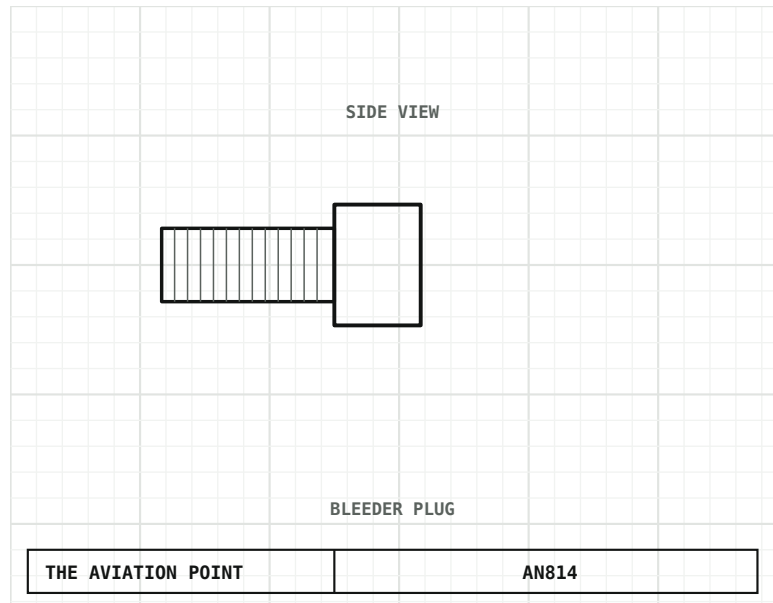


# AN814 — bleeder plug

Bleeder Plug, Screw Thread: dimensions by dash size and part numbers, as listed in a distributor catalogue.



AN814




Engineering drawing · dimensions in inches

## Specification

| Item | Value |
|---|---|
| Type | Fitting, bleeder plug, screw thread |
| Status | Check the current issue of the standard before design use. |

## Dimensions by size

| Dimension, in | -2 | -3 | -4 | -5 | -6 | -8 | -10 | -12 | -16 | -20 |
|---|---|---|---|---|---|---|---|---|---|---|
| OD — Tube O.D. | 1/8 | 3/16 | 1/4 | 5/16 | 3/8 | 1/2 | 5/8 | 3/4 | 1 | 1-1/4 |
| T — Thread size (ref.) | 5/16-24 | 3/8-24 | 7/16-20 | 1/2-20 | 9/16-18 | 3/4-16 | 7/8-14 | 1-1/16-12 | 1-5/16-12 | 1-5/8-12 |
| B — B dia. | 7/32 | 9/32 | 11/32 | 13/32 | 15/32 | 5/8 | 3/4 | 15/16 | 1-3/16 | 1-1/2 |
| D — D | 35/64 | 9/16 | 5/8 | 5/8 | 23/32 | 25/32 | 25/32 | 1 | 1 | 1 |
| E — E | .563 | .625 | .688 | .750 | .813 | 1.000 | 1.125 | 1.375 | 1.625 | 1.875 |
| F — F dia. (+.002/-.003) | .250 | .313 | .364 | .427 | .482 | .660 | .773 | .945 | 1.195 | 1.507 |
| K — K | 5/16 | 21/64 | 3/8 | 3/8 | 27/64 | 15/32 | 17/32 | 19/32 | 19/32 | 19/32 |
| L — L | 5/16 | 3/8 | 7/16 | 1/2 | 9/16 | 3/4 | 7/8 | 1-1/8 | 1-3/8 | 1-5/8 |

Dimensions in inches as tabulated in the catalogue listing; the standard governs. Blank cells: not stated in the listing.

## Part numbers

| Part no. | Size | Tube O.D. | Thread size (ref.) |
|---|---|---|---|
| AN814-2 | 1/8 | 1/8 | 5/16-24 |
| AN814-3 | 3/16 | 3/16 | 3/8-24 |
| AN814-4 | 1/4 | 1/4 | 7/16-20 |
| AN814-5 | 5/16 | 5/16 | 1/2-20 |
| AN814-6 | 3/8 | 3/8 | 9/16-18 |
| AN814-8 | 1/2 | 1/2 | 3/4-16 |
| AN814-10 | 5/8 | 5/8 | 7/8-14 |
| AN814-12 | 3/4 | 3/4 | 1-1/16-12 |
| AN814-16 | 1 | 1 | 1-5/16-12 |
| AN814-20 | 1-1/4 | 1-1/4 | 1-5/8-12 |

Part numbers as listed. The standard governs and may list other sizes.

## How to read the part number

| Part | Meaning |
|---|---|
| Format | AN814-<dash><material> |
| D | Material: Aluminum |
| (none) | Material: Steel |
| J | Material: Corrosion resistant steel |
| Example | AN814-4 — Steel, 1/4 in tube |

## Notes

- Thread per MIL-S-7742. Add L at the end of the part number for lockwire holes.
- E carries printed tolerances (+.004, +.005, +.016) in cells spanning several rows; the exact rows are not clear in the listing, so they are not assigned. Take them from the standard.
- Cells printed once across several rows in the listing are repeated on each row they span.

**SOURCES** · AN814 — Bleeder Plug, Screw Thread

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/fittings/an814/



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