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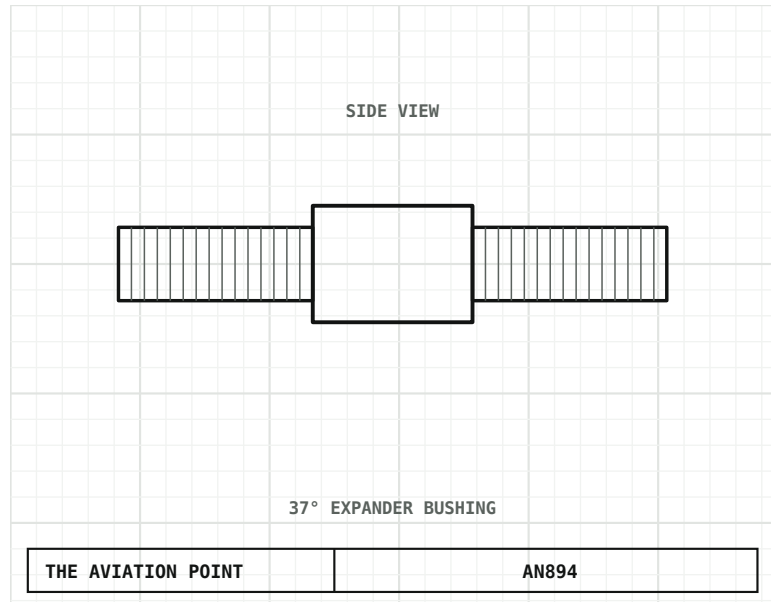


# AN894 — 37° expander bushing

Bushing, Female Straight to Male 37° Screw Thread Expander: dimensions by dash size and part numbers, as listed in a distributor catalogue.



AN894




Engineering drawing · dimensions in inches

## Specification

| Item | Value |
|---|---|
| Type | Fitting, bushing, 37° expander |
| Status | Check the current issue of the standard before design use. |

## Dimensions by size

| Dimension, in | -3-2 | -4-2 | -4-3 | -5-4 | -6-4 | -6-5 | -8-4 | -8-5 | -8-6 | -10-4 | -10-5 | -10-6 | -10-8 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OD1 — Internal end tube O.D. | 3/16 | 1/4 | 1/4 | 5/16 | 3/8 | 3/8 | 1/2 | 1/2 | 1/2 | 5/8 | 5/8 | 5/8 | 5/8 |
| S — Internal thread S (ref.) | .3750-24 | .4375-20 | .4375-20 | .5000-20 | .5625-18 | .5625-18 | .7500-16 | .7500-16 | .7500-16 | .8750-14 | .8750-14 | .8750-14 | .8750-14 |
| OD2 — External end tube O.D. | 1/8 | 1/8 | 3/16 | 1/4 | 1/4 | 5/16 | 1/4 | 5/16 | 3/8 | 1/4 | 5/16 | 3/8 | 1/2 |
| T — External thread T (ref.) | .3125-24 | .3125-24 | .375-24 | .4375-20 | .4375-20 | .500-20 | .4375-20 | .500-20 | .5625-18 | .4375-20 | .500-20 | .5625-18 | .750-16 |
| D — D | .625 | .688 | .688 | .750 | .813 | .813 | 1.000 | 1.000 | 1.000 | 1.125 | 1.125 | 1.125 | 1.125 |
| E — E | 1-3/16 | 1-19/64 | 1-19/64 | 1-1/2 | 1-25/64 | 1-3/8 | 1-37/64 | 1-35/64 | 1-35/64 | 1-43/64 | 1-21/32 | 1-41/64 | 1-3/4 |

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

## Part numbers

**1/8** 2 part numbers

| Part no. | Internal end tube O.D. | External end tube O.D. |
|---|---|---|
| AN894-3-2 | 3/16 | 1/8 |
| AN894-4-2 | 1/4 | 1/8 |

**3/16** 1 part number

| Part no. | Internal end tube O.D. | External end tube O.D. |
|---|---|---|
| AN894-4-3 | 1/4 | 3/16 |

**1/4** 4 part numbers

| Part no. | Internal end tube O.D. | External end tube O.D. |
|---|---|---|
| AN894-5-4 | 5/16 | 1/4 |
| AN894-6-4 | 3/8 | 1/4 |
| AN894-8-4 | 1/2 | 1/4 |
| AN894-10-4 | 5/8 | 1/4 |

**5/16** 3 part numbers

| Part no. | Internal end tube O.D. | External end tube O.D. |
|---|---|---|
| AN894-6-5 | 3/8 | 5/16 |
| AN894-8-5 | 1/2 | 5/16 |
| AN894-10-5 | 5/8 | 5/16 |

**3/8** 2 part numbers

| Part no. | Internal end tube O.D. | External end tube O.D. |
|---|---|---|
| AN894-8-6 | 1/2 | 3/8 |
| AN894-10-6 | 5/8 | 3/8 |

**1/2** 1 part number

| Part no. | Internal end tube O.D. | External end tube O.D. |
|---|---|---|
| AN894-10-8 | 5/8 | 1/2 |

## How to read the part number

| Part | Meaning |
|---|---|
| Format | AN894<material>-<dash> |
| D | Material: Aluminum |
| (none) | Material: Steel |
| J | Material: Corrosion resistant steel |
| Example | AN894-4-2 — Steel, 1/4 in internal end, 1/8 in 37° end |

## Notes

- Cells printed once across several rows in the listing are repeated on each row they span.
- Dash number is internal size then 37° end size, in sixteenths of an inch. Suffix letter goes after AN894 (D aluminum, J corrosion resistant).

**SOURCES** · AN894 — Bushing, Female Straight to Male 37° Screw Thread Expander

SCAN · OPEN THIS DATA SHEET
theaviationpoint.com/parts/fittings/an894/



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