



Air pressure gauge adapters for fischertechnik



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updated 12. 4. 2022 | published 14. 2. 2022

Summary

Fischertechnik adapter for air pressure gauges with BSPT 1/4" and NPT 1/8" threads. Can be used with any M5 fitting.

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Fischertechnik adapter for air pressure gauges with BSPT 1/4" and NPT 1/8" threads.

Can be used with any M5 fitting and suitable O-ring (e.g. 5x1mm or 6x1.5mm). There's plenty of [different types on aliexpress](#), alternatively you can use [one of my printed fittings](#).

Insert a short piece of 4mm silicone tubing between fitting and gauge. Its length depends on the length of your fitting's thread, so it's best to measure the gap between gauge and fitting with calipers and add ca. 1mm as crumple zone. Both sides need very clean and straight cuts for a tight fit. You can use the supplied tube cutter or any other similar design to help you with that. (The third image is an animated gif, download it to see the assembly process in action.)

To print the M5 thread with sufficient precision, layer height should be .12mm or less.

Print Settings

Printer:

Creality Ender 3 v2

Rafts:

No

Supports:

No

Resolution:

.12mm

Infill:

20%

Filament:

any PETG

Category: Construction Toys

Model files



npt_threaded_gauge_v3-bs30.stl



bspt_threaded_gauge_v3-bs30.stl



tube_cutter_v1a.stl

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