



Pressurized Ink Cartridge Adapter for Tactile Turn Short Bolt Action Pens



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Summary

An adapter to use Rite in the Rain ink cartridges (No. 37R) in Tactile Turn Short Bolt Action and Side Click pens.



0.35 hrs



9 pcs



0.10 mm



0.25 mm



PET



1 g



Prusa
MK3/S/S+

[Household](#) > [Office](#)

Tags: [pen](#) [adapter](#) [ink](#) [boltaction](#) [boltactionpen](#)
[tactileturn](#) [riteintherain](#) [inkcartridge](#)

A simple adapter for using a [Rite in the Rain \(No. 37R\)](#) or [Fisher Space Pen](#) ink cartridge in one of [Tactile Turn's "short"](#) Bolt Action or Side Click pens.

There are three different adapters, one for the [Bolt Action Pen](#), one for the [Slim Bolt Action Pen](#), and one for the [Slim Side Click Pen](#).

The adapters are designed so they provide the same amount of ink cartridge tip protrusion (from the body of the pen) when used with their respective pen model — 2.9mm +/- ~0.15mm (most of the variation is in the ink cartridge itself; I used the same ink cartridge to measure all three and had a total variance of 0.04mm between all three).

Printing Considerations:

- A 0.25mm nozzle is recommended, but as long as you're slicing with Arachne, a 0.4mm nozzle will work just fine. If you're not slicing with Arachne, it will create a lot of weird artifacts for a 0.4mm nozzle due to the small size of the adapter.
- 0.1mm layer height (regardless of nozzle size).
- 3 perimeters.
- 20% infill (irrelevant for 0.4mm nozzles with 3 perimeters; no infill).
- 1mm top/bottom thickness (also irrelevant for 0.4mm nozzles; no infill).
- Choose your favorite material; I used PETG.

Change Log:

- 02NOV2022: Updated cover photo.
- 05JAN2023: Added new model for Short Slim Side Click pens; revised/updated description.

Model files



ttbap-adapter.3mf

☐ Short Bolt Action — includes PrusaSlicer settings.



ttsbap-adapter.3mf

☐ Short Slim Bolt Action — includes PrusaSlicer settings.

ttsscp-adapter.3mf

☐ Short Slim Side Click — includes PrusaSlicer settings.

Print files



Bolt Action Pen

3 files



ttbap-adapter_025n_01mm_petg_mk3s_21m.gcode

PET 0.25 mm 0.10 mm 0.35 hrs 1 g Prusa MK3/S/S+



ttbap-adapter_025n_01mm_petg_mini_21m.gcode

PET 0.25 mm 0.10 mm 0.36 hrs 1 g Prusa MINI / MINI+



ttbap-adapter_025n_01mm_petg_mk3smmu2s_21m.gcode

PET 0.25 mm 0.10 mm 0.35 hrs 1 g
Prusa MK3S/S+ & MMU2S



Slim Bolt Action Pen

3 files



ttsbap-adapter_025n_01mm_petg_mk3s_21m.gcode

PET 0.25 mm 0.10 mm 0.34 hrs 1 g Prusa MK3/S/S+



ttsbap-adapter_025n_01mm_petg_mini_21m.gcode

PET 0.25 mm 0.10 mm 0.35 hrs 1 g Prusa MINI / MINI+



ttsbap-adapter_025n_01mm_petg_mk3smmu2s_21m.gcode

PET 0.25 mm 0.10 mm 0.35 hrs 1 g
Prusa MK3S/S+ & MMU2S



Slim Side Click Pen

3 files

ttsscp-adapter_025n_01mm_petg_mk3s_18m.gcode

🌀 PET 📏 0.25 mm ⚖️ 0.10 mm ⌚ 0.31 hrs 📖 1 g 🖨️ Prusa MK3/S/S+

ttsscp-adapter_025n_01mm_petg_mini_19m.gcode

🌀 PET 📏 0.25 mm ⚖️ 0.10 mm ⌚ 0.31 hrs 📖 1 g 🖨️ Prusa MINI / MINI+

ttsscp-adapter_025n_01mm_petg_mk3smmu2s_19m.gcode

🌀 PET 📏 0.25 mm ⚖️ 0.10 mm ⌚ 0.31 hrs 📖 1 g 🖨️ Prusa MK3S/S+ & MMU2S

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