



## Hexa Pen

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### Summary

A stylish pen with an hexagonal nanotube wall, a dragon hotend grip and a nozzle tip.



6.23 hrs



6 pcs



0.15 mm  
0.10 mm  
0.20 mm



0.40 mm



PLA  
PET



26 g



Prusa MINI /  
MINI+

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Tags: [prusa](#) [hexagon](#) [pen](#) [orange](#)

A small tribute to Prusa Research and their great products.

I wanted to model something using Prusa hexagonal black/orange branding and representing a symbol of 3d printing. I added a see-through dragon hotend as a grip, followed by a small heatsink and nozzle as writing tip. There is also a blue blob of filament to be used as a base for the heatsink tip :)

Most of it couldn't be produced with injection molding, so that's a nice thing for a 3d print.

I printed everything in the 0.15mm Quality preset, except for the tall pieces which I printed at 0.1mm at 15mm/s. For the hex body I used a raft.

## Model files



**hexapen\_v3\_nozzle.stl**

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**flexgrip\_elite\_pen\_tube.stl**

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**blob.stl**

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**hexapen\_v3\_inner\_tube.stl**

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**hexapen\_v3\_hexabody.stl**

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**hexapen\_v3\_heatblock.stl**

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**hexapen\_v3\_heatsink\_dragon.stl**

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**hexapen\_v3\_body\_heatsink\_separator.stl**

# Print files



## hexapen\_v3\_nozzle\_015mm\_pla\_mini\_12m.gcode

🌀 PLA 📏 0.40 mm 📏 0.15 mm ⌚ 0.20 hrs ⚖️ 1 g 🖨️ Prusa MINI / MINI+



## hexapen\_v3\_heatblock\_015mm\_pla\_mini\_10m.gcode

🌀 PLA 📏 0.40 mm 📏 0.15 mm ⌚ 0.17 hrs ⚖️ 1 g 🖨️ Prusa MINI / MINI+



## hexapen\_v3\_heatsink\_dragon\_015mm\_petg\_mini\_1h6m.gcode

🌀 PET 📏 0.40 mm 📏 0.15 mm ⌚ 1.22 hrs ⚖️ 4 g 🖨️ Prusa MINI / MINI+



## hexapen\_v3\_inner\_tube\_015mm\_petg\_mini\_55m.gcode

🌀 PET 📏 0.40 mm 📏 0.15 mm ⌚ 0.91 hrs ⚖️ 3 g 🖨️ Prusa MINI / MINI+



## hexapen\_v3\_body\_01mm\_petg\_mini\_2h53m.gcode

🌀 PET 📏 0.40 mm 📏 0.10 mm ⌚ 2.88 hrs ⚖️ 5 g 🖨️ Prusa MINI / MINI+



## blob\_02mm\_pla\_mini\_51m.gcode

🌀 PLA 📏 0.40 mm 📏 0.20 mm ⌚ 0.85 hrs ⚖️ 12 g 🖨️ Prusa MINI / MINI+

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