

Lathe Chuck Key Holder



kaje

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Summary

This chuck key holder for my Central Machinery Model 45861 9x20 Lathe is based on an original design by "Clough42"...



6.81 hrs



3 pcs



0.20 mm



0.40 mm



PLA



66 g



Prusa
MK3/S/S+

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Tags: [holder](#) [lathe](#) [chuckkey](#)

This chuck key holder for my Central Machinery Model 45861 9x20 Lathe is based on an original design by "Clough42" (available here : <https://www.thingiverse.com/thing:4392251>). That design was made for a different model lathe, so I recreated the design with some minor modifications to make a version to fit my lathe. Included in the photos is a drawing showing the relevant critical dimensions so you can see if this will fit your lathe.

Two versions of the holder are provided. The first and simpler version fits a bit loosely, so it slid back and forth a bit more than I liked. The second version (which takes a bit longer to print) has an integral spring clip to make it fit more tightly.

The OnShape 3D CAD files for this are available here:

<https://cad.onshape.com/documents/b82f65a9ad2defe11f13ac1f/w/aed53b2c823ef139dc1ec8d/e/9ba38b228003b1e084fcff6e>

Print instructions

I printed in PLA; use the 3mf files provided. Otherwise:

- print top side down
- no support required
- 10% rectilinear infill

Model files



chuckkeyholder.3mf



chuckkeyholder2.3mf

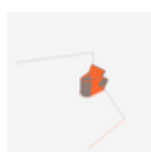


chuckkeyholder2.stl



chuckkeyholder.stl

Print files



chuckkeyholder_02mm_pla_mk3s_2h3m.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 2.05 hrs ⚖️ 20 g 🖨️ Prusa MK3/S/S+



chuckkeyholder2_02mm_pla_mk3s_2h23m.gcode

🌀 PLA 🌀 0.40 mm 🌀 0.20 mm 🕒 2.38 hrs 📊 23 g 🖨️ Prusa MK3/S/S+



chuckkeyholder2_02mm_pla_mk3s_2h23m.gcode

🌀 PLA 🌀 0.40 mm 🌀 0.20 mm 🕒 2.38 hrs 📊 23 g 🖨️ Prusa MK3/S/S+

[Find source .stl files on Thingiverse.com](#)

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