



Nut & bolt pencil organizer



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[VIEW IN BROWSER](#)

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Summary

This pencil organizer that's also a giant functional nut and bolt – size M80, to be exact.



18.81 hrs



2 pcs



0.15 mm



0.40 mm



PLA



221 g



Prusa
MK3/S/S+

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

Tags: [organizer](#) [desk](#) [desktop](#) [penholder](#) [pencilholder](#)
[desktoporganizer](#)

This pencil organizer that's also a giant functional nut and bolt – size M80, to be exact.

Interior dimensions: 69mm (diameter) x 107mm (height)

External dimensions (WxDxH): 100mm x 114mm x 110mm

I found that this was a nice size, both visually and practically.

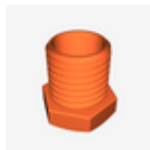
This is [also available on Thingiverse](#).

Print instructions

No supports required!

For the nut, the default (organizer-nut.stl), the threads have a 0.3 mm tolerance, which works great on my Prusa MK3S. I recommend starting with this. If your printer doesn't print with tight tolerances, there is an alternative with 0.5 mm tolerance, called organizer-nut-looser.stl.

Model files



organizer-bolt.stl



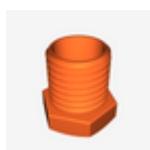
organizer-nut.stl



organizer-nut-looser.stl



organizer-nut.3mf



organizer-bolt.3mf

Print files



organizer-bolt_015mm_pla_mk3s_13h40m.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.15 mm ⌚ 13.67 hrs ⚖️ 163 g 🖨️ Prusa MK3/S/S+



organizer-nut_015mm_pla_mk3s_5h8m.gcode

🌐 PLA 🌀 0.40 mm ≡ 0.15 mm ⌚ 5.14 hrs ⚖️ 58 g 🖨️ Prusa MK3/S/S+

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