



Palm Pen Holder



Makers Making Change

[VIEW IN BROWSER](#)

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Summary

A writing aid that makes it easier to grip pens and pencils.



N/A



9 pcs



0.30 mm



0.40 mm



PLA



N/A



Prusa
MK3/S/S+

[Learning](#) > [Other 3D Objects for Learning](#)

Tags: [parametric](#) [pencil](#) [pen](#) [customizable](#) [disability](#)
[writing](#) [arthritis](#) [assistivetechology](#) [assistivedevice](#)
[writingaid](#)

This is a customizable (parametric) 3D printable writing aid. The Palm Pen Holder makes it easier to grip a pen, pencil, or other writing utensil and may be useful for someone who has difficulty holding a pen or pencil directly. The device is able to be slid onto the hand of the user or gripped in various positions.

There are **multiple sizes available for this device** for both the device size and pen hole size.

Print Settings

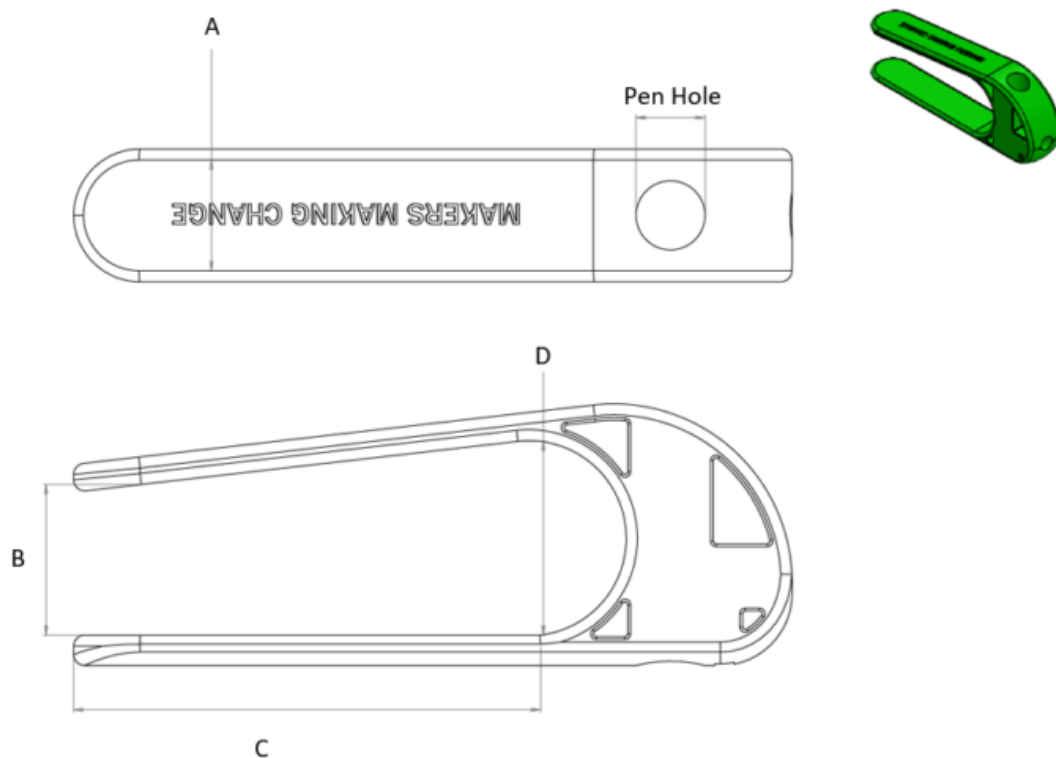
Infill: 20%

Resolution: 0.3mm

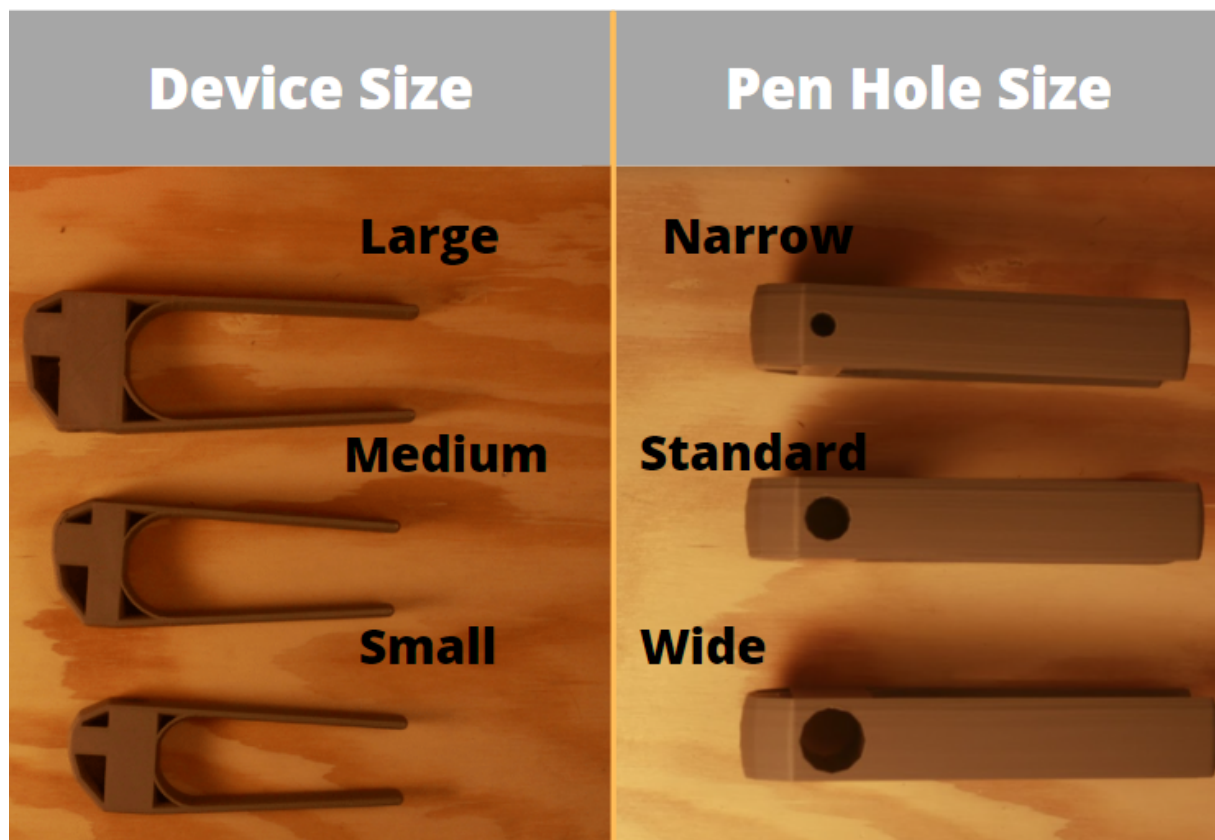
Supports: No

Rafts: No

Sizing Guide



Palm pen holder version	Pen hole size	A (mm)	B (mm)	C (mm)	D (mm)	Pen hole (mm)
Small Palm Pen Holder	Narrow	23	21	93	25	7
Standard	23	21	93	25	13	
Wide	23	21	93	25	18	
Medium Palm Pen Holder	Narrow	24	26	110	35	7
Standard	24	26	110	35	13	
Wide	24	26	110	35	18	
Large Palm Pen Holder	Narrow	25	33	120	40	7
Standard	25	33	120	40	13	
Wide	25	33	120	40	18	



Additional Documentation

<https://github.com/makersmakingchange/Palm-Pen-Holder>

About Makers Making Change

Makers Making Change is an initiative of the Neil Squire Society, a Canadian non-profit that empowers people with disabilities through technology.

We leverage the capacity of community based **Makers**, Disability Professionals and Volunteers to develop and deliver affordable **Open Source Assistive Technologies**.

Volunteer to print a device

Tackle a design challenge

Submit an assistive device idea

Follow us on **Instagram**, **Facebook**, and **Twitter**

Model files



Small Palm Pen Holder

3 files



small_palm_pen_small_pen_hole.stl



small_palm_pen_med_pen_hole.stl



small_palm_pen_large_pen_hole.stl



Medium Palm Pen Holder

3 files



med_palm_pen_small_pen_hole.stl



med_palm_pen_med_pen_hole.stl



med_palm_pen_large_pen_hole.stl



Large Palm Pen Holder

3 files



large_palm_pen_small_pen_hole.stl



large_palm_pen_med_pen_hole.stl



large_palm_pen_large_pen_hole.stl



palm_pen_holder.scad

Print files



Small Palm Pen Holder

3 files



small_palm_pen_small_pen_hole_03mm_pla_mk3s_1h2.gcode

PLA 0.40 mm 0.30 mm 1.41 hrs 24 g Prusa MK3/S/S+



small_palm_pen_med_pen_hole_03mm_pla_mk3s_1h32m.gcode

PLA 0.40 mm 0.30 mm 1.53 hrs 26 g Prusa MK3/S/S+



small_palm_pen_large_pen_hole_03mm_pla_mk3s_1h3.gcode

PLA 0.40 mm 0.30 mm 1.61 hrs 27 g Prusa MK3/S/S+



Medium Palm Pen Holder

3 files



med_palm_pen_small_pen_hole_03mm_pla_mk3s_1h43m.gcode

PLA 0.40 mm 0.30 mm 1.72 hrs 31 g Prusa MK3/S/S+



med_palm_pen_med_pen_hole_03mm_pla_mk3s_1h50m.gcode

PLA 0.40 mm 0.30 mm 1.84 hrs 33 g Prusa MK3/S/S+



med_palm_pen_large_pen_hole_03mm_pla_mk3s_1h58m.gcode

PLA 0.40 mm 0.30 mm 1.97 hrs 35 g Prusa MK3/S/S+



Large Palm Pen Holder

3 files



large_palm_pen_small_pen_hole_03mm_pla_mk3s_1h5.gcode

PLA 0.40 mm 0.30 mm 1.91 hrs 35 g Prusa MK3/S/S+



large_palm_pen_med_pen_hole_03mm_pla_mk3s_2h2m.gcode

PLA 0.40 mm 0.30 mm 2.03 hrs 37 g Prusa MK3/S/S+



large_palm_pen_large_pen_hole_03mm_pla_mk3s_2h9.gcode

PLA 0.40 mm 0.30 mm 2.16 hrs 39 g Prusa MK3/S/S+

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