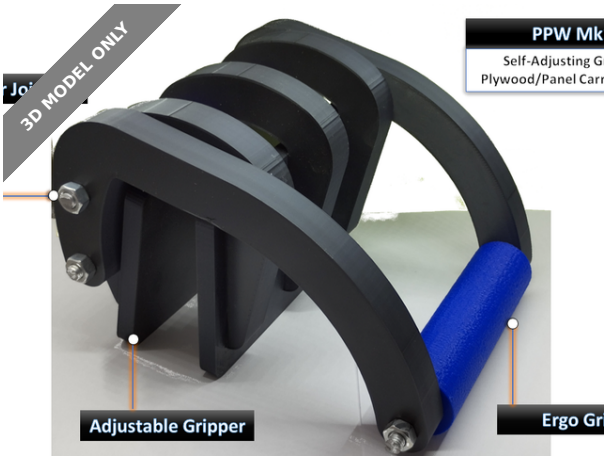

PPW Mk1 Self-Adjusting Gripper Plywood/Panel Carrier Clamp

Armand

VIEW IN BROWSER

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Summary

Introducing the PPW Mk1 Self-Adjusting Gripper Plywood/Panel Carrier Clamp

Hobby & Makers > Tools

Tags: nut tool functional grip self diy tpu working abs easy woodwork adjustable adjust woodworking panel wood petg gripper clamp bolt tools rod carrier sheet useful m8nut threaded ergonomic functionalprint plywood ergonomicgrip m8 woodworkingtools carry mdf ergo m8screw clampingtools

PPW Mk1 Self-Adjusting Gripper Plywood/Panel Carrier Clamp
Effortless Panel Transport:

Experience unmatched convenience with the PPW Mk1 Gripper Clamp, designed to streamline your workflow and make panel carrying a breeze. Its innovative lever design harnesses the weight of the panels, enabling single-handed operation for effortless transportation.

Unrivaled Ergonomics:

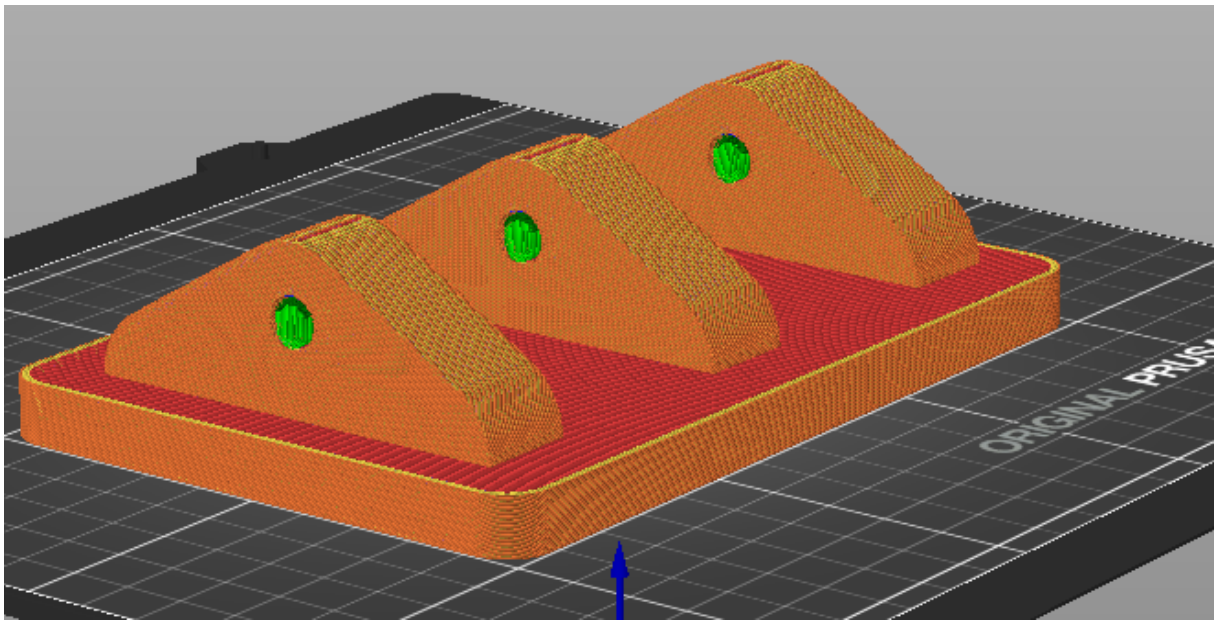
Featuring an ergonomic grip handle, the PPW Mk1 ensures comfortable carrying without straining your hands or back. Say goodbye to cumbersome lifting techniques – simply place the clamp over the top edge of the panel and lift with ease.

Print instructions

Name	File	No Prints	Material
Gripper Link	GripperLink.stl	4	PETG/ABS
Gripper Plate	GripperPlate.stl	1	PETG/ABS
GripperPlate Connector	GripperPlateConnector.stl	1	PETG/ABS
Handle 35mm	Handle_35mm.stl	1	PETG/ABS/TPU 95A
Long Gripper	LongGripper.stl	2	PETG/ABS
ShortGripper	ShortGripper.stl	3	PETG/ABS
Nut M8 (optional)	Nut M8.stl	6	PETG/ABS
Screw_M8 (optional)	Screw_M8.stl	3	PETG/ABS

* 3mf files has also been included with the print settings

- Material : PETG or ABS
- Layer Hight : 0.2
- Infill Percentage: 10%
- Infill Type : Gyroid
- Perimeters : 3 or 4 (recommended)
- Support : only for the GripperPlateConnector (GripperPlateConnector.stl) for the holes



When printing the handle add the Fuzzy Skin with Default options, The handle can also be printed in TPU 95A

Optional Hardware:

3 x M8x180mm Threaded Rod (See here on Amazon)
6 x M8 Nuts (See here on Amazon)

*Within the print files, M8 nuts and threaded rod/screws are provided as optional prints. However, I recommend purchasing the necessary hardware separately for optimal performance

Assembly Guide:

All parts seamlessly interlock and are secured using 3xM8 threaded rods and 6xM8 nuts. The only parts required to glue are the Short Grippers (ShortGripper.stl) that is affixed to the Gripper Plate (GripperPlate.stl) using a strong adhesive. For detailed assembly instructions, please refer to the accompanying video below

Model files

ppw-mk1-gripper-fully-assembled.3mf

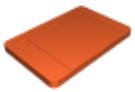
Demo of the Assembled PPW Mk1 - Do not Print

gripperplateconnector.3mf

longgripper.3mf

handle_fuzzyskin_35mm.3mf

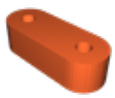
handle_35mm.stl



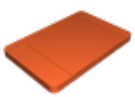
gripperplate.stl

longgripper.stl

gripperlink.3mf



gripperlink.stl



gripperplate.3mf

shortgripper.stl

gripperplateconnector.stl

nut-m8.stl

☐ Optional to print

shortgripper.3mf

screws_and_nuts_m8.3mf

☐ Optional to print

screw_m8.stl

☐ Optional to print

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