



DRO Mounting kit for Paulimot Sieg SX2.7L Mill

 **Projunk**

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Summary

DRO Mounting kit for Paulimot Sieg SX2.7L Mill Scales used: X-Axis: travel length 550mm Y-Axis: travel length 200mm...

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DRO Mounting kit for Paulimot Sieg SX2.7L Mill

Scales used:

X-Axis: travel length 550mm

Y-Axis: travel length 200mm

Z-Axis: travel length 300mm

X-Axis Mount:

- DRO_bracketX_Left.stl (1x)
- DRO_bracketX_Right.stl (1x)
- DRO_bracketX_Plate.stl (1x)

Y-Axis Mount:

- DRO_bracketY_Left.stl (1x)
- DRO_bracketY_Right.stl (1x)
- DRO_bracketY_Plate.stl (1x)

Z-Axis Mount:

- DRO_bracketZ.stl (2x)
- DRO_bracketZ_Plate.stl (1x)
- DRO_bracketZ_PlateMount.stl (1x)

Recommended Material:

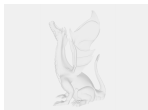
- ABS (30% infill)

Remarks:

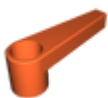
- The X-Axis scale is mounted on the front of the mill using the t-slot and the already existing holes. The reason for mounting at the front is that I did not want to lose any travel in the Y direction.
- I made cutouts in the Electronics cover for mounting the Z-Axis scale and the DRO bracket. The reason is that I do want to be able to remove the Electronics cover without having to unmount the Z-axis scale and the DRO unit
- The X-axis lock handle and pin that come with the mill cannot be used anymore. I have created replacements for both the handle and the pin; the handle is narrower and the pin is much longer than the original.

Category: Machine Tools

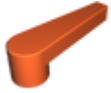
Model files



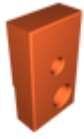
carriagelockx.scad



carriagelockx_handle.stl



carriagelockx_handle_simplified.stl



dro_bracketx_right.stl



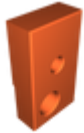
dro_brackety_left.stl



dro_bracketx_plate.stl



dro_brackety_right.stl



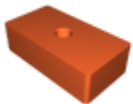
dro_bracketx_left.stl



dro_bracketx.scad



dro_bracketz.scad



dro_bracketz.stl



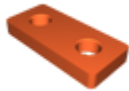
dro_brackety_plate.stl



dro_bracketz_plate.stl



dro_brackety.scad



dro_bracketz_platemount.stl



carriagelockx_pin_original.stl



carriagelockx_pin_original_long.stl



carriagelockx_pin_simplified.stl

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com)

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