



## ODRIVE S1 D5312s 330KV flange mount



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updated 1. 7. 2023 | published 1. 7. 2023

### Summary

Simple flange mount for Odrive D5312s and Odrive S1 ESC. It aligns the motor shaft with the onboard encoder of the S1.



3.24 hrs



2 pcs



0.20 mm



0.40 mm



PET



41 g



Prusa  
MK3/S/S+

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The mount is designed to use the Odrive S1 heat spreader. It aligns the motor shaft with the magnetic encoder and leaves a 1mm gap between the magnet and the encoder. A 6mm diameter an 5mm thick magnet sold in the Odrive shop is used.

The magnet is aligned and fixed to the shaft using the “magnetshaft” model.

The motor is then screwed on with 8mm M3 screws.

Then the ESC with the heat spreader is screwed in the already taped holes using M4 screws.

## Model files



**motor-to-esc-mount-mk2.3mf**



**magnetshaft.3mf**

## Print files



**magnetshaft\_02mm\_petg\_mk3s\_12m.gcode**

PET 0.40 mm 0.20 mm 0.19 hrs 1 g Prusa MK3/S/S+



**motor-to-esc-mount-mk2\_02mm\_petg\_mk3s\_3h3m.gcode**

PET 0.40 mm 0.20 mm 3.05 hrs 40 g Prusa MK3/S/S+

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