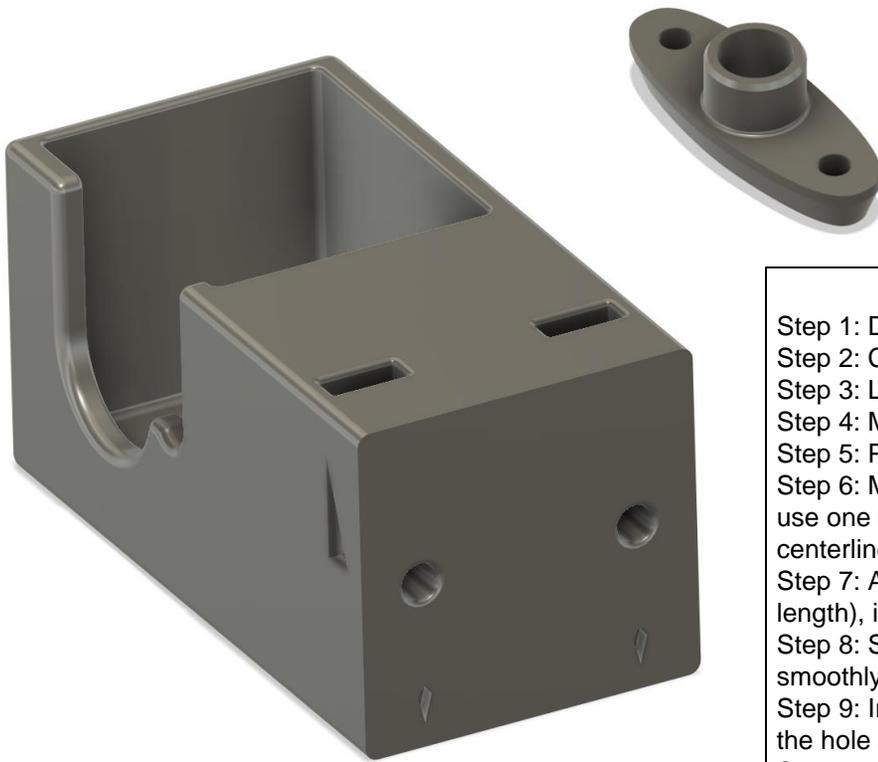


# Alps RK27 Remote Extension 3D Printed Mount

Draft 9-27-24

Design by Birdbox



## Basic Instructions

- Step 1: Determine length from faceplate to mount and if needed.
- Step 2: Create a centerline perpendicular to the faceplate.
- Step 3: Lay mount on side, mark hole locations on the centerline.
- Step 4: Measure 3 more times just to be sure it's on center.
- Step 5: Punch and drill holes
- Step 6: Mount vertically using  $\geq 12\text{mm}$  M3 bolts. Ensure on centerline. [If not on centerline, just use one bolt (two is not really needed), or widen one hole accordingly for  $0^\circ$  offset from centerline.]
- Step 7: After wiring the Alps RK27 while not installed in the mount (soldering wires with adequate length), insert the Alps pot into the mount firmly (no longer any need to remove it if done right).
- Step 8: Slide Rod/Tube in to the bushing with some machine oil to be sure it's tight, but rotates smoothly.
- Step 9: Insert rod/tube through the front plate hole from inside and press the bushing piece into the hole à use pan head M3 bolts to secure the bushing to the front plate.
- Step 10: Connect rod/tube to the Alps pod shaft using the coupler.
- Step 11: Check if rod/tube needs to be shortened so knob sits near flush with front plate.
- Step 12: Connect the knob to the rod that's sticking out of the front plate.



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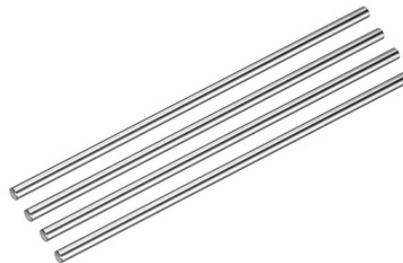
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Material	Carbon Steel
Brand	uxcell
Shape	Cylindrical
Item Form	Rod

## About this item

- Size: 6mm diameter and 200mm length motion guide shaft rod.
- Material: Material: Made of C45 carbon steel, chromium plating surface, durable and corrosion-resistant.
- High Precision: The straightness is below 0.1/1000mm, and the hardness can reach 58-64 HRC.
- Smooth and Precise Linear Movement: Linear motion rods are commonly used in industries such as automation, robotics, machine tools, and 3D printing. They serve as support structures for linear bearings, allowing them to move smoothly and accurately.
- Application: Use with linear support blocks and enclosed sliders. Suitable for 3D printers, CNC machines, robots, automated machinery, molding machines, engraving machines, etc.



Roll over image to zoom in