**RULES:**

**Bold:** title, divide by modules

<hyperlink>: link to store

normal font: required parts

~: indicate required operations. Do not repeat if mentioned above.

~~Deleted~~: will not use, for recording purpose only.

√: acquired

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**Structure**

Steel angles

Bolts and nuts

~ Cutting

**Charging system**

Momentum wheel

[DC brushless motor](https://www.maxongroup.com/maxon/view/product/339286) (with sensor)

Gear

~ Drilling

**Braking system**

[Gear Rack](https://uk.rs-online.com/web/p/gear-racks/1827858?cm_mmc=UK-PLA-DS3A-_-google-_-CSS_UK_EN_Mechanical_Power_Transmission_Whoop-_-Gear+Racks_Whoop-_-1827858&matchtype=&pla-300400303830&cq_src=google_ads&cq_cmp=12814832398&cq_term=&cq_plac=&cq_net=g&cq_plt=gp&gclid=Cj0KCQjwr4eYBhDrARIsANPywCiryagycTmytEPKE6IaNPlsm7Dfk8f31DFT7FBTo0WtTeoF4eK13UoaAvxnEALw_wcB&gclsrc=aw.ds) module ?

[Linear rail guide](https://www.vevor.co.uk/linear-guide-rail-c_10531/sbr16-1000mm-2-x-linear-rail-4-x-bearing-blocks-mills-lathes-stable-bearing-p_010694903166?gclid=Cj0KCQjwr4eYBhDrARIsANPywCji403hh-GLmU3w8HBMZ1RvvKKxEJDnzRteqURkhg379oje3WistKYaAouEEALw_wcB)

Servo

~~Linear actuator~~

**Operation system**

Raspberry Pi Zero 2 W √

Micro SD card + reader

Power source (battery/USB)

~ Soldering