



## legg-O compatible geared motor



s6monts

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### Summary

A lego compatible geared motor

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Tags: [lego](#) [legocompatible](#) [legotechnic](#)

This lego compatible motor uses :

- 1x 8x16x5mm bearing (1680HH)
- 1x 12V geared motor (jga25 370 12V)
- 2x M3x8mm
- 8x M2x20mm
- 8x M2 nutt
- 2 wires to go from the lego connector to the motor

for the lego connector, I used this model : <https://www.thingiverse.com/thing:2738024>

I also made a cover for it (for the connection points I've used single core wire without any PCB on top, I then soldered the multicore wires on them and glued the whole thing together with hot glue).

since the motor is quite heavy, if holded on only the front, it sags. I've therefore used a cut down (to about half) lego piece at the end of the motor. It provides additional supports to the back of the motor.

# Model files



legm\_mainshell.stl

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legm\_bearingretainer.stl

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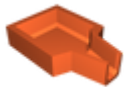
legm\_shaftcoupler.stl

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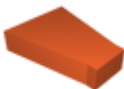
legm\_bottomlid.stl

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legm\_connectorcover1.stl

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legm\_connectorcover2.stl

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