

# 200:1 Gear Reduction Motor - ASR00016

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 [tinycircuits.com/products/200-1-gear-reduction-motor](https://tinycircuits.com/products/200-1-gear-reduction-motor)



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## DESCRIPTION

Add motion to your TinyDuino project! This gear motor uses the same JST connector that can be found on our [Dual Motor TinyShield](#), meaning it can be plugged right in without any soldering or crimping.

This motor has a built in gearbox which achieves 200:1 speed reduction for high torque. This makes it great for applications like robotics and anything else that would require high torque in a small package.

Fits any wheel, gear, or other attachment that fits a 3mm diameter D profile shaft, like our [45mm Wheels](#).

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## TECHNICAL DETAILS

### Dimensions

- Wire Length: 100mm
- Shaft Diameter x Length: 3mm x 9mm
- Motor and Gearbox Dimensions: 26mm L, 12mm W, 10mm T
- JST-SH Connector Pitch: 1mm (0.039")