

Pololu 42x19mm Wheel and Encoder Set

This set is intended for those looking to create a differential-drive robot with dual quadrature encoders. Just add two micro metal gearmotors of your choosing (sold separately), a mounting platform such as a RRC04A 5" robot chassis, and a robot controller such as an Orangutan SVP-324 (which features inputs for two quadrature encoders) to create a robot capable of closed-loop speed and position control.

This set consists of:

- **A pair of Pololu wheel 42×19mm**
- **A pair of Pololu micro metal gearmotor bracket extended**
- **Two encoders for Pololu wheel 42×19mm**
- **Four #2 mounting screws and nuts**



Note: This set is designed to work with our 5:1 to 298:1 micro metal gearmotors. Motors are not included and must be purchased separately. This encoder will not work with the 1000:1 gear ratio version of our micro metal gearmotors due to the longer gearbox. This encoder will only work with the Pololu 42×19mm wheel. If you are looking for a higher-resolution quadrature encoder that works with micro metal gearmotors and arbitrary wheels, consider the optical encoder pair kit for micro metal gearmotors (though additional signal conditioning might be required). We also have versions of our larger 25D mm and 37D mm metal gearmotors with integrated quadrature encoders.

[Documentation on producer website.](#)