

This custom-designed white plastic wheel has a rubber tire measuring 1.65" (42 mm) in diameter and is designed to fit the output shafts on our micro and 15.5D metal gearmotors as well as the Solarbotics metal gear motors. Teeth on the hub optionally allow a reflectance sensor to be used for encoder feedback. These wheels are sold in **pairs**.

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Overview



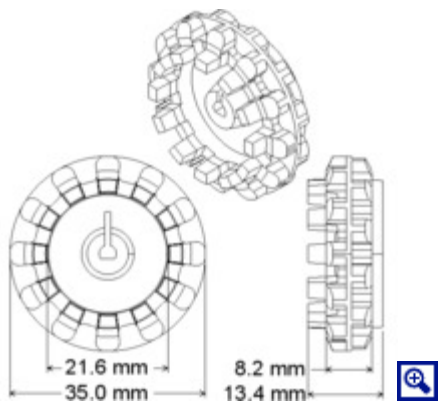
This rugged wheel is designed to fit securely on the output shafts of our [micro](#) and [15.5D metal gearmotors](#). These gearmotors should be mounted onto the side of the hub with the protruding teeth, as shown on the right. The output shaft will slide into the socket easily at first but will achieve a snug fit when pressed through to the other edge of the hub.

The output shafts on the [Solarbotics metal gear motors](#) will also fit these wheels, but because they are shorter they will have to be mounted onto the other side of the wheel where the fit is tighter (which means the Solarbotics metal gearmotors will not work with the [quadrature encoder](#) associated with this wheel). These wheels will also work in this orientation on the orientation on the [Pololu plastic gearmotors](#) with 3mm D-shaft outputs.

Our [extended micro metal gearmotor bracket](#) is specifically designed to work with this wheel. Please note that the non-extended version of our mounting bracket (product #989) will not work well with this wheel.



Micro metal gearmotor with Pololu wheel
42×19mm and extended bracket.



Specifications

- Diameter: 1.65" (42 mm)
- Width of tire: 0.75" (19 mm)
- Weight: 0.66 oz (19 g)