



Worm Gear Speed Reducers, SW-1H

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Motors and Gearboxes » Pololu Metal Gearmotors » 37D mm Metal Gearmotors »
131:1 Metal Gearmotor 37Dx73L mm with 64 CPR Encoder



www.pololu.com



Pololu item #: 2827 224 in stock

Price break	Unit price (US\$)
1	39.95
10	35.96

Quantity: [backorders allowed](#)

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This gearmotor is a powerful 12V brushed DC motor with a **131.25:1** metal gearbox and an integrated quadrature encoder that provides a resolution of 64 counts per revolution of the motor shaft, which corresponds to **8400 counts per revolution** of the gearbox's output shaft. These units have a 0.61"-long, 6 mm-diameter D-shaped output shaft. This gearmotor is also available [without an encoder](#).

Key specs at **12 V**: 80 RPM and 300 mA free-run, 250 oz-in (18 kg-cm) and 5 A stall.

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[Description](#) [Specs \(13\)](#) [Pictures \(12\)](#) [Resources \(3\)](#) [FAQs \(2\)](#) [On the blog \(1\)](#)

Overview

This powerful brushed DC gearmotor is available in six different gear ratios and features an integrated quadrature encoder with 64 counts per revolution (CPR) of the motor shaft. The [motor and encoder portion](#) is available by itself (no gearbox), and versions without the encoder are also available.

PG188 Planetary Gearbox with RS775 Motor and Encoder (am-2924)



Price: \$94.00
Stock Status: In Stock

Qty:

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Planetary GearMotor Bracket (am-2197)
Price: \$9.00



10mm Key Hub (am-0985a)
Price: \$11.00



4mm x 12mm Machine Key (am-1249)
Price: \$0.75



Hall Effect Encoder Cable, Encoder Connector to Split
Price: \$5.00

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Product Overview:
Here is a gearmotor consisting of a 4-stage planetary gearbox and a RS775 series motor. The motor has been updated to include an [encoder](#) already mounted. The motor with pinion ([am-2765](#)) can be purchased separately, if needed.

This product has the same output shaft geometry (10mm with a 4mm keyway) as our other PG series gearmotors ([PG27](#), [PG71](#)).

We also have a convenient bracket ([am-2197](#), not included) which can mount this motor.

- Specifications:**
Physical Specs:
- Overall Length: 6.70 inches

W/ bevel gears