

Mini Geared Pager Motor with Return Spring

PRODUCT ID: 3871

These are very unusual motors, but we thought they could be handy for projects that need a small geared-down motor. At the core is a 'pager motor' - a small thin DC motor that runs on about 3VDC. That motor is then geared down inside the red-plastic body of the motor. Finally, the output axle is connected to a plastic triangle that has a bent-wire return spring. There are two plastic stops built into the outside of the motor.

If you keep the plastic triangle attached to the motor, you can 'swing' the motor back and forth by applying forward or backwards voltage. The switch ranges about 60 degrees from center (120 degrees total). If you remove power, the self-centering spring will bring the triangle back to center.

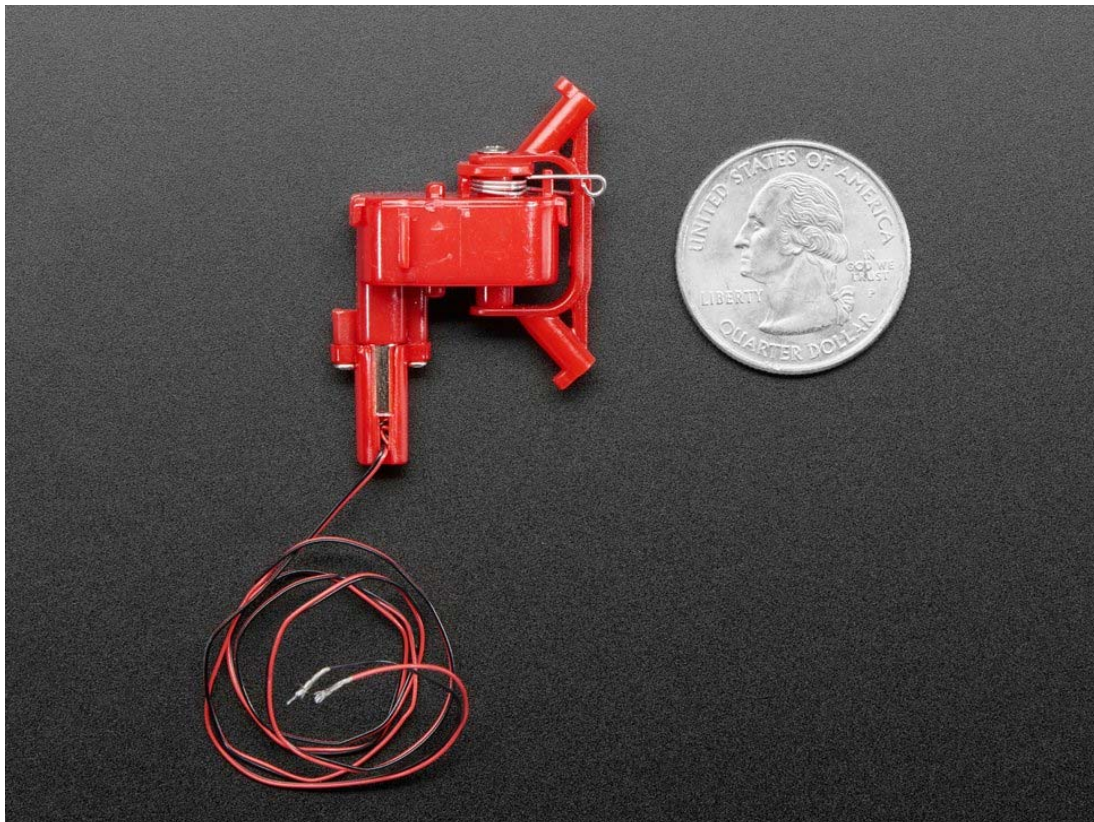
You can also remove the triangle piece and, as you can see in our animation above, you get a normal rotating axle which you can use for rotating something small.

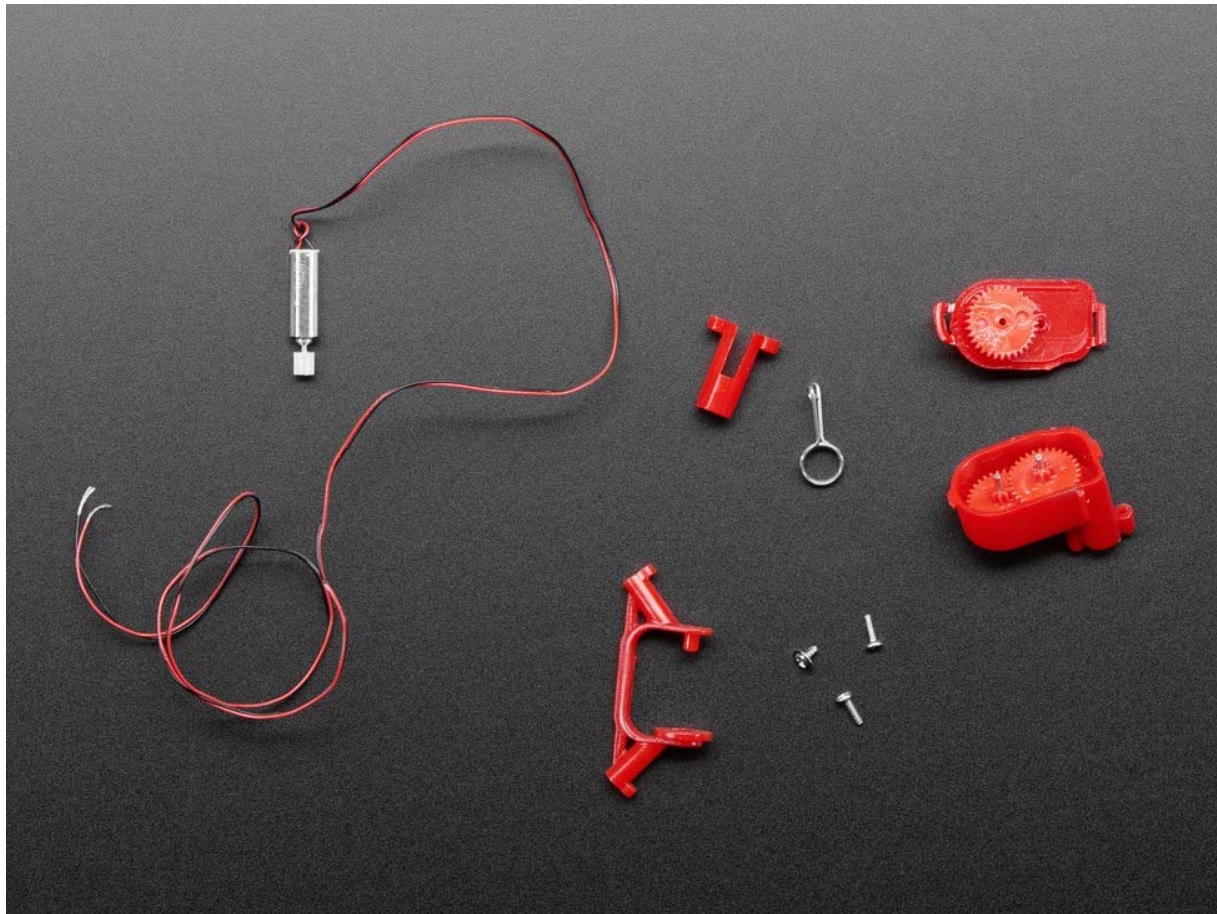
Like we said, they're unusual motors, but they're also inexpensive and unique - you may find a good use for them!

Comes 1 per order

TECHNICAL DETAILS

- At Nominal Voltage: DC 3V / Speed: 245 RPM
- No-load current: 45mA Stall current: 380mA
- At Nominal Voltage: 3.7V / Speed: 300 RPM
- No-load current: 57mA Stall current: 500mA
- External shaft: 3.5 x 3.5mm
- Leads: approx 330mm
- Weight: 3g





<https://www.adafruit.com/product/3871> 9-5-18