Solenoids are a great way to induce linear motion for pushing, pulling or controlling switches and levers. According to the datasheet this solenoid is rated for 36V but they work like a charm at 12V. We’ve been controlling them with the Arduino Power Driver Shield, there’s even some example code below. With a throw of 10mm these solenoids are great for all kinds of motion applications such as actuating door latches, automating percussion instruments or just poking people.

At 12 volts these Solenoids draw 650mA, while at 36 volts they draw 1.85A. 

**Note:** The datasheet indicates a throw of 25mm however we’ve measured a throw of 10mm.
Compared to other smaller solenoids around the web for the same price, this guy wins!

about 3 years ago by NorthStreetLabs verified purchaser

I needed 800 solenoids last spring, for SXSW, and this was the winner in price, strength, weatherproofing, and capability.

Of the other two types we had to use, this guy is the only one who didn’t complain. We had them rained on, spray painted even, and taking 12-36v. The other two types used from [unnamed] electronics competitor, complained and wouldn’t budge with 12v, rusted in the rain, spray paint stopped them from moving, but not with this guy kept on moving at 12v, 24v, and 36v. Did NOT rust, didn’t care about sticky paint. Solid design.

These solenoids work well

about 2 years ago by Stephen D verified purchaser

Apply power, the plunger activates. Remove power, the spring returns the plunger to the starting position.