

A speed sensor magnet can be attached to a rotating part of the vehicle that changes rotation speed relative to changes in speed of the vehicle.

Example locations for motorcycles / ATVs are rear sprocket or front or rear disk.  
For cars, the magnet can be attached to a driveshaft / CV joint / disk / inside a drum brake.

The standard magnet included in the kit has an M5 thread for screwing into a hole drilled in the rear sprocket (in some cases it will be necessary to extend the sensor wire - this can be done using ordinary electrical wire).

Acewell supply a range of magnets : M6, M8 & M10 of varying lengths which can be used to replace a disk bolt. Alternatively a 9mm x 5mm neodymium magnet could be attached to the vehicle using epoxy resin or a similar glue.

When fitting an ACE-S speed sensor it is important to note the paths that the magnet can follow. The drawing below shows which paths the magnet can take. The magnet must not travel along the body of the sensor not cross the sensor between the moulded lines. It must pass on the outside of the moulded lines or beyond the end of the sensor.

