loopwheels.com

Loopwheels are a new type of bicycle wheel designed to make cycling more comfortable. Loopwheels have suspension within the wheel itself: in place of rigid spokes, they have three loop-shaped springs.

The spring system between the hub and the rim of the wheel cushions the rider from bumps and potholes in the road. The springs absorb road noise, reducing vibration through the frame and into the rider's arms and body. Because of the suspension within the wheel, you can use high-pressure or puncture-resist tyres. So you don't need to rely on fat (and sluggish) tyres to cushion your ride.

We sell Loopwheels already fitted, ready-to-ride, on a Dahon bicycle frame, or as a wheelset to fit yourself, at www.loopwheels.com/shop/

Invented, designed and made in England

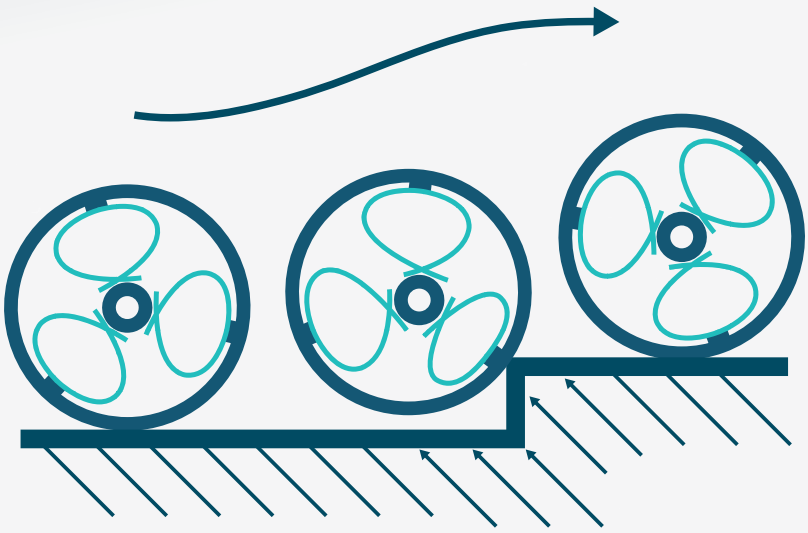
Loopwheels are a UK invention: an internationally registered design and patent pending. The springs and wheels are made in Nottinghamshire. We do import some components, as we can't get hold of everything from UK sources, but we are proud of our UK design and manufacture.

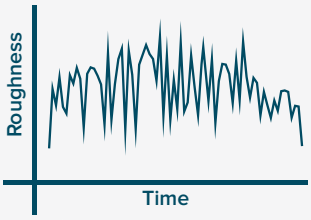
Tangential suspension

Unlike suspension forks, which only work in one plane, Loopwheels provide tangential suspension.

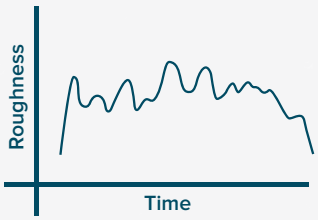
That is, they work in every direction. So they respond to a force hit head-on in the same way as they do to a force from above or below.

This is a new cycling experience, and it feels great!





Spoked wheel over cobble road



Loopwheel over cobble road

Smooth ride, increased comfort

One of the first things people say when they ride with Loopwheels is they don't experience the usual level of vibration ("road noise") through the bicycle frame and up their arms into their wrists and shoulders. This is because the springs in a Loopwheel absorb small shocks from the vibration of the road.

This gives you a really smooth ride - even on a rough surface!

FAQs

What sizes of Loopwheels do you do?

We make 20" Loopwheels for bicycles, and a bigger Loopwheel for wheelchairs. See our website for all our products, including our original Loopwheel with Sturmey Archer 3-speed hub brake, a derailleur Loopwheel, and our version with 11-speed Shimano Alfine hub.

Do you make a 26" or 29" Loopwheel for bicycles?

We are developing a bigger Loopwheel for bicycles.

Which bike models do your loopwheels fit? Can I retrofit to my own Dahon or Tern?

Loopwheels fit many models of Dahon and Tern folding bikes – you need to change to a 100mm wide front fork (we sell these!) Some other bikes are also suitable - see our website for information about which bikes are compatible with Loopwheels, or email us on info@loopwheels.com

What about Loopwheels for Bromptons?

We don't make a Loopwheel for a Brompton. The Brompton frame does not have enough space to enable the suspension wheel to function.

Will Loopwheels work on other vehicles as well as bicycles?

Yes (though we don't stock Loopwheels for other applications yet, we can do "specials" for some applications – contact us for advice).

What about lateral stability?

A 20" Loopwheel is as laterally stiff as a conventional 26" spoked bicycle wheel.

Get in touch

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