

MODULAR PARTS SYSTEM

Axles Types

The Rohloff SPEEDHUB 500/14 is available with two types of axle. The **CC model** denotes an axle that is secured in the frame with a quick release skewer.

The **TS model** denotes an axle with threaded ends on both sides. The axle ends are secured in the frame with standard M10x1 nuts. The 14 speed bicycle hub transmission is identical regardless of axle type.

The **A12 model** is constructed for frames fitted with dropouts which accept 12 thru-axle systems (DT/Maxle, Sysntace, Shimano E-Thru). A12 SPEEDHUB models can only be supplied upon receipt of 3 documents completed during a special dropout measurement procedure. Our distributors or service partners will be able to supply the special A12 measurement kit for this purpose upon request.



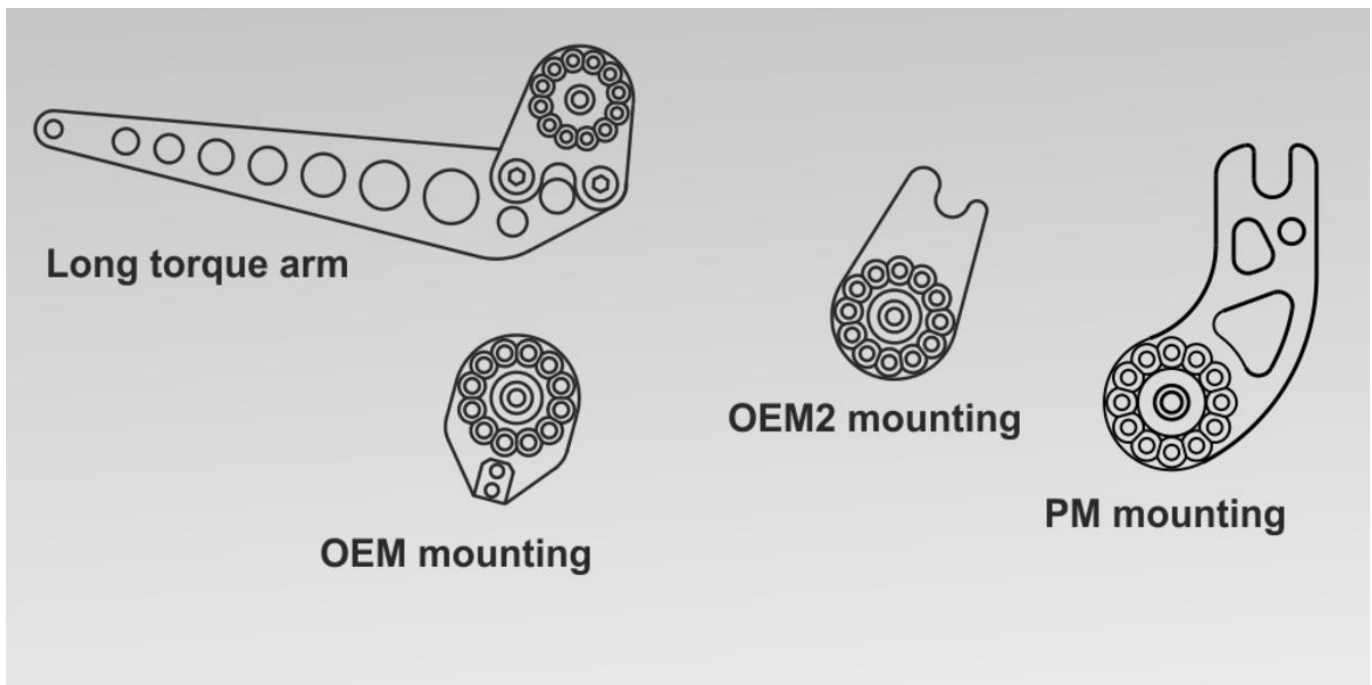
Torque Support

With all gear hubs the axle attempts to rotate whilst under load (riding). When a gear below #11 is engaged on the SPEEDHUB, the axle attempts to rotate backwards. When a gear greater than #11 is engaged, the axle attempts to rotate forwards.

The force with which the axle attempts to rotate is referred to as support torque. The magnitude of torque generated is dependent on the applied pedal force and current gear selection. This must be absorbed by an anti-rotational device on the frame. On simple three-speed IGHs, a flat sided axle is sufficient to secure the torque within the dropout. A high performance IGH like the Rohloff SPEEDHUB 500/14 requires a much greater level of stability to absorb torque given the large range of gear ratios.

Depending on the frame type, one of the options can be selected to anchor this support torque to the frame.

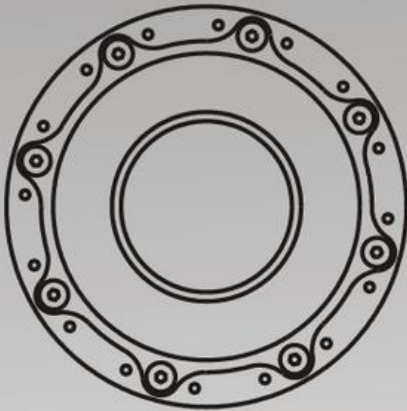
1. **Standard:** axleplate with long torque arm
2. **OEM:** axleplate (for 37mm vertical OEM dropouts)
3. **OEM2:** axleplate (in combination with SPEEDBONE, Monkey Bone and OEM2 M5 Adapter)
4. **CC PM:** axleplate (in combination with PM Bone)
5. **A12 PM:** axleplate (in combination with A12 axle and PM Bone)



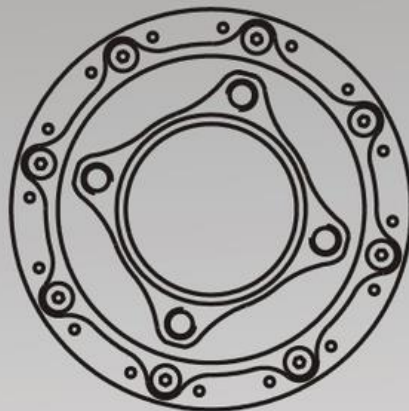
Hub Cap

The hubcap is available as an option with an integrated brake disc mount.

Our online 'SPEEDHUB finder' will help you find the compatible SPEEDHUB 500/14 model for your frame in just a few simple mouse clicks.



For rim brakes



For disk brakes