

# HUBS

## ADJUSTING QRM SL HUB BEARINGS

### Tools needed:

- None

If you note play in the hub:

- 1) Start by retightening the quick-release skewer.
- 2) If you feel that it is tightened excessively and play still remains, the axle and the frame/fork support must be replaced. Follow the procedure below:

Front hub: the axle comes with 4 fork supports, identified by how many grooves they have.  
The length of the **fork support increases**, as the **number of grooves decreases**:



4 grooves = 15.00 mm



3 grooves = 15.10 mm



2 grooves = 15.20 mm



1 groove = 15.30 mm

Rear hub: the axle comes with 4 frame supports, identified by how many grooves they have.  
The length of the **frame support increases**, as the **number of grooves decreases**:



4 grooves = 19.80 mm



3 grooves = 19.90 mm



2 grooves = 20.00 mm



1 groove = 20.10 mm

**CAUTION:** depending on the position of the bearings and the axle's machining tolerances, a frame/fork support that is too short may lead to play in the bearings. On the other hand, a frame/fork support that is too long can deform and irreversibly damage the bearings.

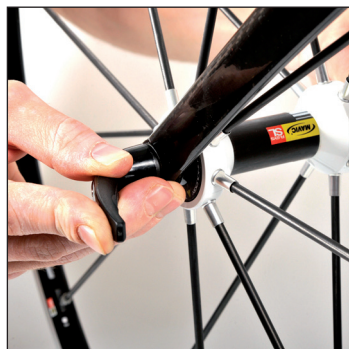
It is therefore important to use the correct length of frame/fork support. Proceed as follows:



By hand, remove the fork support (clipped onto the axle) from the label side of the hub.



First clip on the shortest fork support (4 grooves).



Install the quick-release and mount the wheel on the fork or the frame and tighten the quick-release with sufficient force.



Check to see if any play remains.

If play remains, repeat the previous operations with the next longer frame/fork support (3 grooves), and continue in this manner with the 4 frame/fork supports until the play disappears.

If play still remains with the longest frame/fork support (1 groove), the bearings and/or axle must be replaced. Consult the appropriate procedures for each wheel.