

⚠ CAUTION - READ INSTRUCTIONS BEFORE USING

The mass moment of inertia of a cycling athlete causes an approximate constant angular velocity of the pedaling circle, although the cyclist's torque (power) is nearly zero when the cranks are in vertical position. If the SRM Ergometer had no fly mass, the cadence would decrease to nearly zero in the vertical crank position and high power output, resulting in a non-circular pedal cadence. This would result in a very non-circular tread then. Therefore the SRM Ergometer is currently equipped with two fly masses: **SMALL (12mm thick, 4,6kg)** and **LARGE (24mm thick, 9,1kg)**.

NOTICE

The default configuration for the most common Ergometer tests is installing the **LARGE** fly mass inside the gearbox on its own! Please remove the **SMALL** fly mass as described below! For more information on kinetic energy simulation, fly masses and gear ratio of the Rohloff hub see the manual or visit our webpage at www.srm.de.

REMOVAL AND MOUNTING INSTRUCTIONS**⚠ CAUTION**

Always disconnect the power supply from the Ergometer when opening the side covers! Never operate the Ergometer without the side covers! Before removing side covers insure fly masses have stopped spinning completely and use care when handling the fly masses to prevent injuries or bruises - both are very heavy!

- To remove/mount a fly mass you need the following tools: One or two aluminum spacer, Torx screwdriver and nut wrench (Fig. 1).
- Open the left cap of the Ergometer by removing the seven Torx screws (marked red) with the Torx T30 wrench (Fig. 2).
- Use the nut wrench to rotate the brass nut counterclockwise (Fig. 3). Hold the fly mass to counter the tool pressure if needed.
- Remove the nut and pull the two fly masses off the axle (Fig. 4). Pay attention not to damage the threads on the axle!
- Replace the **SMALL fly mass with one aluminum spacer** (Fig. 5) or add **two spacers** when replacing the **LARGE fly mass**. Make sure the groove in the spacer coincides with the feather key in the axle.

NOTICE

Always insure the the correct fly mass/spacer configuration: When installing both fly masses always add the small fly mass first onto the axle. When removing the **SMALL** fly mass, add **one** spacer first, then add the **LARGE** flywheel. Same when replacing the **LARGE** fly mass - add the **SMALL** fly mass first and then add the **two** spacers. When testing without any fly mass remove all parts including the brass nut.

- To reinstall the the fly mass on the axle (Fig. 6) make sure the groove in the fly mass coincides with the feather key in the axle. This groove will lock the fly mass and prevent the fly mass from spinning free.
- Using the nut wrench, rotate the brass nut clockwise until hand-tight (Fig. 7).
- Make sure the fly mass sits firmly, has no play on the axle and can rotate freely! Remove all tools inside the gearbox! Reinstall the cover with the seven Torx head screws. Do not over tighten!

