

# Operation Manual

## Balancing Machine for Motorbike Tyres

51742



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!

Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



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## Introduction

Thank you for purchasing this quality product. **To minimise the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**

Keep these operation instructions safe.

## Description

The professional balancer is a great help in the correction of unbalance. With the use of gravity, it can find the focus of any tire and is suitable for almost all motorcycles. With the robust steel construction, this balancing machine guarantees a long-term use.

## Safety instructions/warnings



The owner and/or user must have read and understood the operating instructions of the device before using it. Installed personnel should be cautious, competent, trained and qualified in the safe handling of the working equipment used when working on engines and their components. Warnings should be read and understood.

- Be familiar with the application control, the application process, and the warnings.
- The engine stand may only be used for the removal and installation of engine stands (gears, differential gears, etc.).
- Ensure that all connectors are secure.
- Make sure that you know the contents of the instructions for use.
- This device is not intended to be used by persons (including children) with reduced physical, sensory, or mental abilities or persons who do not have the appropriate experience or knowledge, unless a person responsible for their safety observes them or has given them instructions on how to use the equipment.
- Children must be supervised to ensure that they do not play with the device.
- Immediately report to your supervisor or workshop as soon as something unforeseen happens.
- Always pay attention to the optimal workplace lighting.
- Be sure to wear solid footwear.
- Use a hairnet for long hair.
- Wear tight clothing.
- Place jewellery (rings, earrings, watches, etc.).
- Be careful not to wear loose straps or belts.

## Using the balancing block

- Use the balancing block on a stable flat surface. If necessary, adjust the feet.
- In the first step, install the empty rim without tires on the balancer. When the wheel is centred on the spindle, fix the screws in the cones with a 3 mm hex wrench. Check the tight fit.

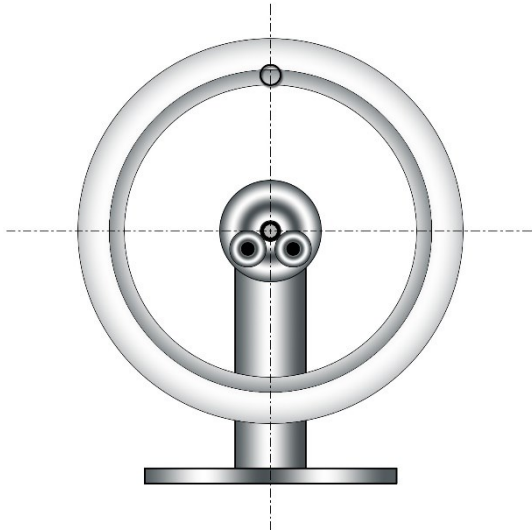


Figure 1 Resting rim without tire

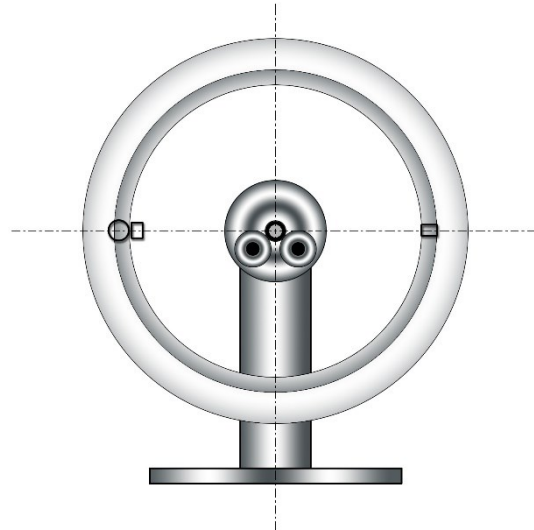


Figure 2 Resting position neutral rim

- When the rim has come to rest, the lightest point is at the top (see Fig. 1).
- For further work it is useful to mark the lightest point (point on fig. 1 above). For this, you can use oil chalk or a piece of adhesive tape.
- At the lightest point, add a enough provisional weight so that the rim turns around 90° (see Fig. 2). For an empty rim, a maximum of 30 g of weight should be required. If you need more weight, you should check the rim and the attachments for damage. Check the tread.

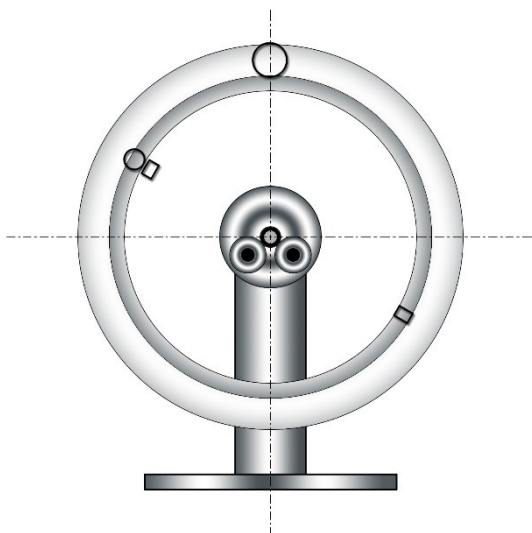


Figure 3: Resting position neutral rim with mounted tyre

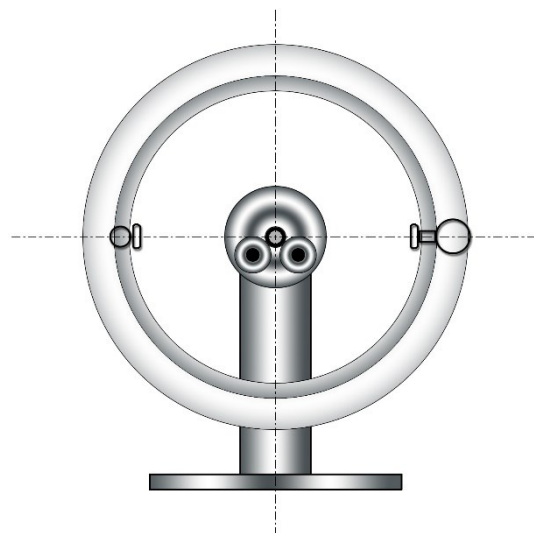


Figure 4: Matching

- Pull the tyre onto the neutral rim and let it swing out. The lightest place is now pointing upwards again (see Fig. 3). Mark this spot in a different colour.
- Now remove the applied balancing weight (step 5). With a little bit of luck, the unbalance of the rim without tires and the rim with tires is emphasised. To reach this point, turn the tire on the rim until the unbalance faces (both marked points as shown in Fig. 4 are opposite each other). Now



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the complete wheel is balanced. Normally, you need only one of the two weighting weights. The weight must be applied until the complete wheel remains in the rest position. In doing so, you should be careful to use as little weight as possible, the weight should be evenly distributed on both sides of the rim. If a total weight of more than 50 g is required, then you should reclaim the tyre.

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