



product tech note



Balancing motorcycle wheels dynamically

The majority of performance motorcycles require their wheels to be balanced dynamically. It is possible to create a pure dynamic imbalance (or wobble) if the wheel is only balanced statically. The **Haweke PRO BIKE** Motorcycle kit enables you to dynamically balance motorcycle wheels and will fit most wheel balancers. **However** to balance the wheel dynamically the wheel balancer must be capable of balancing motorcycle wheels i.e. there must separate motorcycle programme or the operator must be able to input the three measurements required for dynamic balancing.

Motorcycle wheels fit on to the wheel balancer differently to car wheels, they sit in front of the back plate of the wheel balancer (see diagram).

Why are motorcycle wheels different?

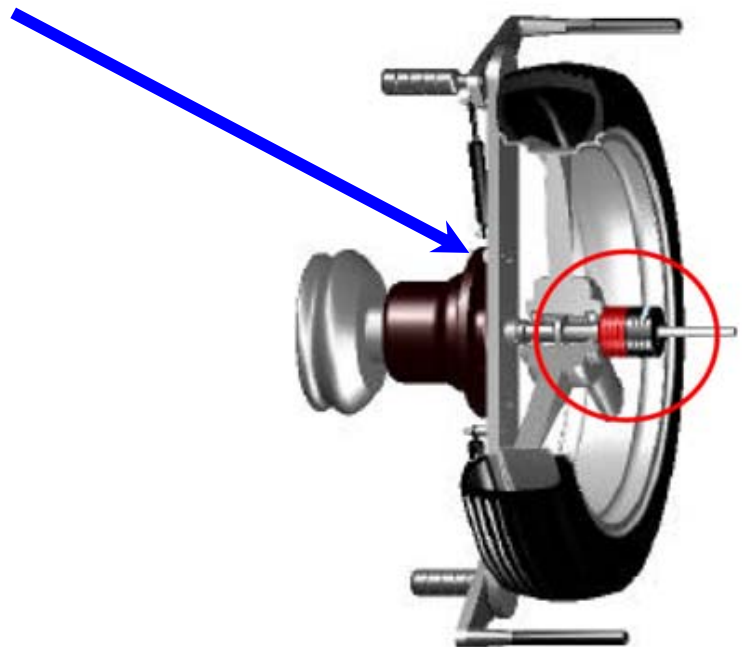
Dynamic balancing requires 3 inputs:

- Diameter
- Width
- Offset.

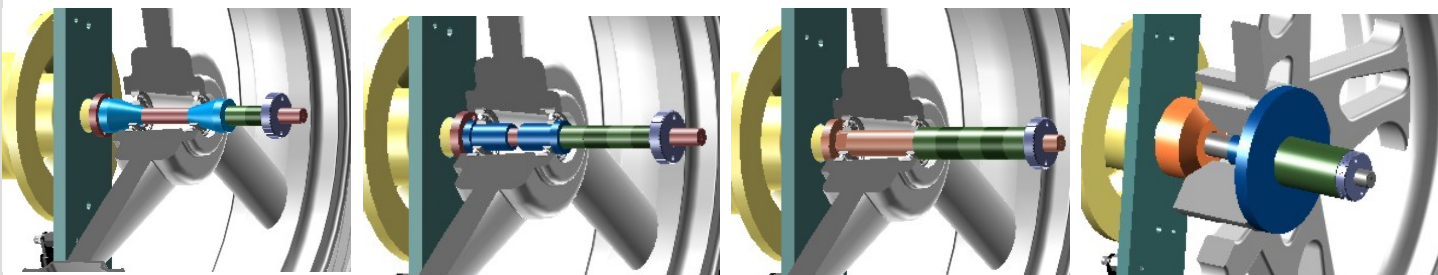
With a standard car balancer the offset measurement is not possible as motorcycle wheel sits in front of the back plate of the wheel balancer.

Ensure that the wheel balancer you are fitting the motorcycle kit to is capable of measuring these inputs.

If only 2 inputs can be measured then the wheel can only be balanced in the static mode.



Pro Bike in use



Shaft with centering cones

Shaft with centering sleeves

Shaft same size as floating bearings

Shaft with special kit