

Static Balancing of Grinding Wheels

Balancing Scales AW 1000



Advantages

- Simple and reliable operation
- Rugged design
- Cost-efficient balancing solution
- Improved surface quality of workpieces
- Increased operation time of grinding wheel and grinding spindle

Application

- Static balancing of grinding wheels and other rotating bodies

Description

The HOFMANN balancing scales AW 1000 are designed for static balancing of disc-shaped rotating bodies - especially for grinding wheels.

The grinding wheel set is mounted onto a balancing arbor and put into the scale frame. The scale frame with its steel cutting edges rests on the seats of the base frame. This kind of bearing does not have any rolling friction. Therefore a high balancing quality can be achieved using this principle.

The angular position of the unbalance is being evaluated by turning the grinding wheel until the scale frame is balanced.

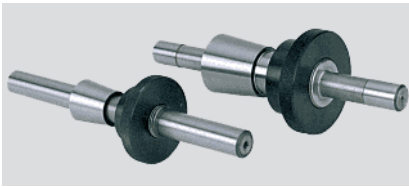
Using this balancing method results in a normal surface quality of ground workpieces.

Higher quality requirements can be achieved when using the balancing instruments EasyBalancer EB 3500 or Minbalancer MI 2500. These portable instruments balance the grinding wheel in-situ mounted inside the grinding machine.

The HOFMANN balancing scales AW 1000 are available in two different sizes. A balancing arbor is not scope of the standard delivery. It may be manufactured upon customer's request.

Technical data

AW 1000 -		32	62
Grinding wheel			
Weight, max.	kg	30	100
Diameter D, max.	mm	320	620
Width B, max.	mm	140	230
Balancing arbor			
Length L	mm	178	288
Journal diameter d	mm	15	30
Journal length a	mm	15	30



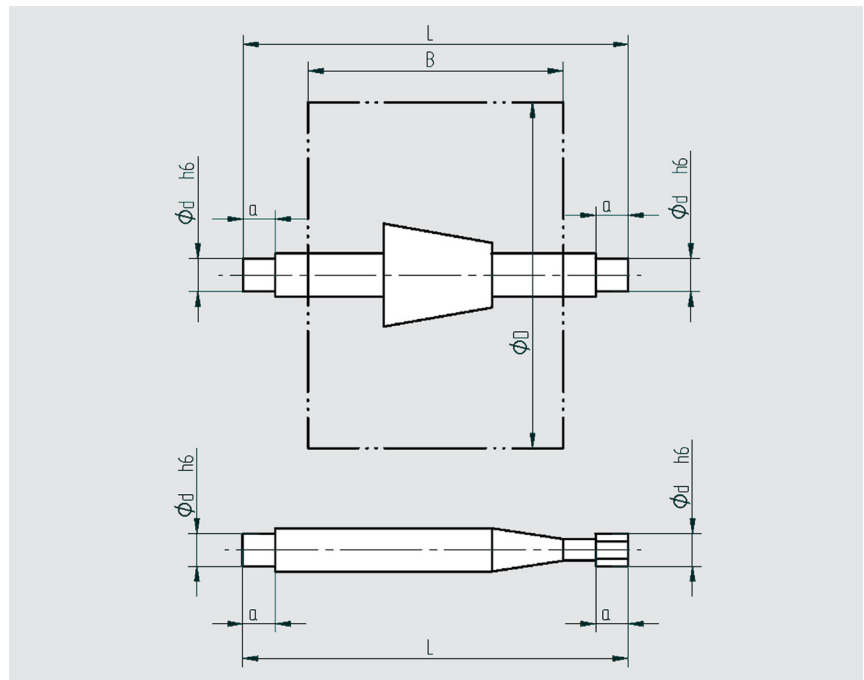
Balancing arbors

Option

- Customized balancing arbor

Scope of delivery

- Balancing scale
- Operation manual



Dimensions of balancing arbors

**All information without obligation,
subject to change without notice!**