

Bona PowerDrive by KÜNZLE & TASIN

The Bona PowerDrive is a unique drive plate with four driven sanding discs for unsurpassed powerful rotary sanding of timber floors. Mounted on the Bona FlexiSand 1.9, it is capable of sanding timber floors to a smooth even finish using Bona Abrasives, such as the 8700 Ceramic series, and replaces the need for conventional belt sanding in many instances. As with all Bona sanding machines the sanding discs are easily fixed to the PowerDrive using the Velcro system.

The advantages of rotary sanding are the simplicity of use and minimized need for edge sanding while delivering excellent sanding results; with the Bona PowerDrive there is only a 3 cm band left around the floor which needs to be sanded with an edger. The drive plate is easy to manoeuvre in small, confined spaces, such as corridors or around kitchen benches, and can be used independent of the direction of the wood.

The Bona PowerDrive can also be used with the Bona Wire Brush system to open the wood grain, enhance the beauty of the floor and create a unique brushed look and feel

- For powerful rotary sanding to bare wood
- Reduces need for edge sanding: only 3 cm to sand along the wall
- Delivers a fine and smooth sanding result
- Failsafe; no risk of drum marks and similar

Technical data

Compatible with:	Bona FlexiSand 1.9
No. of discs:	4
Disc diameter:	150 mm
Weight:	6.7 kg
Dimensions:	410 mm - Diameter / 93 mm - Height

Assembly and attachment

The Bona FlexiSand 1.9 comes ready to accept the Bona PowerDrive. Unplug the machine before installing, attaching or removing the PowerDrive.

Installing the PowerDrive

1. Place the cogged ring against the chassis and align it with the screw holes
2. Fasten the cog ring with the supplied self-cutting screws; firmly tighten the fixings to ensure the cogged ring doesn't become loose.

Attaching the PowerDrive

1. Push the drive plate towards the machine's driving axle so that the cogs meet the cogged ring
2. Turn one of the sanding discs clockwise until the drive plate can be locked
3. Secure the drive plate by folding down the locking bolt



Bona[®]

Phone 1300 882 806

Removing the PowerDrive

1. Lift the locking bolt
2. Place the tip of the supplied box spanner between the axle and the drive plate bracket; push firmly against the drive plate
3. Turn one of the sanding discs counter clockwise until the drive plate can be freed

The Bona PowerDrive can **only** be used with the Bona FlexiSand 1.9. or 1.5. It is **not** possible to fix the PowerDrive to other rotary sanding machines

Directions for use

Read the Bona FlexiSand datasheet before using this equipment. For optimal dust reduction it is recommended that the Bona DCS 70 is used with the Bona PowerDrive / FlexiSand.

Before starting the FlexiSand release the handle lock by pressing the black button in the top of the handle and pulling the handle back slightly. When using the PowerDrive the handle should be held at approximately chest height and not taken down to waist height as is normal when using a buffing machine. Start the machine by pressing in the red control buttons and squeezing the red triggers on each side of the machine handle.

The counter-rotating cog construction of the Bona PowerDrive equalizes the sanding force so that the machine stands more or less still when started. The sanding process is controlled by simply walking backwards and forwards, as with a belt sander.

It is not possible to give a single process for sanding a floor as this is influenced by the wood species, hardness and local conditions / requirements. The following method can be used to sand an existing finished floor, whether a prefinished, coated or oiled surface, or to sand newly installed wooden floors but adjustments may be required in some circumstances.

1. Start sanding with Bona 8700 ceramic abrasives, grit 50.
2. When the surface is flat and all old lacquer has been removed:
Sand using Bona 8300 Zirconia abrasives, grit 60.
3. Once the floor has been sanded flat and even:
Mount four intermediate pads (soft foam pads) on the sanding discs.
Attach Bona 8300, grit 100. Sand once again.
4. Additional sanding with finer abrasives can be carried out using either a Bona Quattro plate or the standard FlexiSand drive plate

For the best results and to achieve a fine and flat sanding, always sand in a systematic pattern and at a consistent speed as shown below.

Where significant height differences are present on a floor a different approach may be required. For new solid timber floors with high butt end joints, uneven parquetry or floors with cupping, etc. it is recommended the floor first be sanded with a belt sander to leave a flat surface before using the Bona PowerDrive system.

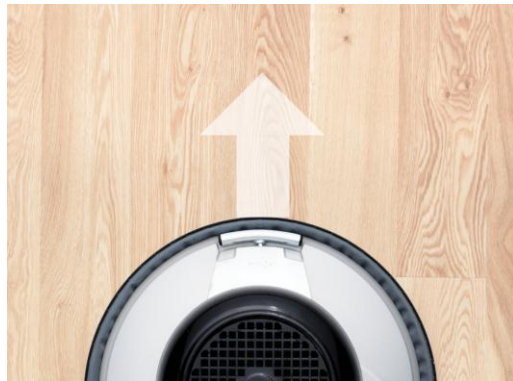
Bona[®]

Phone 1300 882 806

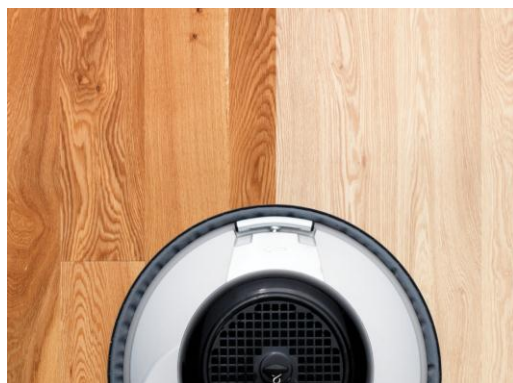
Sanding process



Move the machine in a systematic pattern



Work in a straight line in the direction of the wood and return by moving backwards along the same path



Overlap the previous sanding track by approximately half to ensure that, if present, all previous coatings are removed and that a smooth even finish is obtained.

Bona[®]

Phone 1300 882 806