

Bona PowerDrive Connect by KUNZLE & TASIN

The Bona PowerDrive Connect is a unique drive plate with four driven sanding discs for unsurpassed powerful rotary sanding / brushing of timber floors. Mounted on the Bona FlexiSand 1.9, its click-on technology allows it to be seamlessly changed between standard sanding plates, Diamond Sanding Plates, the ErgoEdge sanding system for sanding the edges of floors or the Bona Wire Brush system; all with a simple click.

The advantages of rotary sanding are the simplicity of use and minimized need for edge sanding while delivering excellent sanding results. The Connect 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.

With the standard Bona PowerDrive Connect discs there is only a 30 mm strip left around the floor which needs to be sanded with an edger. Using the Bona ErgoEdge system together with the Connect system reduces this to 10 mm. The Connect system can also be used with the Bona Wire Brush system and the Bona Diamond Sanding disc system.

- For powerful rotary sanding to bare wood
- Reduces need for edge sanding: with standard plates only 3 cm to sand
- Delivers a fine and smooth sanding result
- Failsafe; no risk of drum marks and similar
- Can be used with other Bona abrasives / preparation systems

Technical data

Compatible with:	Bona FlexiSand 1.9
No. of discs:	4
Disc diameter:	150 mm
Weight:	Approx. 7 kg
Dimensions:	410 mm - Diameter / 125 mm – Height

The Bona PowerDrive Connect is supplied with an XL dust skirt for a Bona FlexiSand. This skirt is deeper than the standard skirt supplied with a Bona FlexiSand and designed to give the best dust extraction when using the PowerDrive Connect system.

Assembly and attachment

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

Attaching the PowerDrive Connect

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 using the locking bolt



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Removing the PowerDrive Connect

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

Bona PowerDrive Connect can **only** be used with the Bona FlexiSand. It is **not** possible to use the PowerDrive Connect plate with other rotary sanding machines.

Directions for use

When using the PowerDrive Connect the handle should be held at approximately chest height and not taken down to waist height as is normal when using a buffing machine. First tilt the handle of the Bona FlexiSand backwards slightly; for safety reasons the machine will not start when the handle is vertical. Start the machine by pressing in the red control buttons and squeezing the red triggers on the machine handle.

The counter-rotating cog system of the Bona PowerDrive Connect 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 many different factors. 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. Firmly push the Connect sanding plates until they lock into place
2. Start sanding with Bona 8700 ceramic abrasives, grit 50.
3. When the surface is even and / or all existing lacquer has been removed:
Sand using Bona 8300 Zirconia abrasives, grit 60.
4. Once the floor is sanded flat and even; mount four intermediate pads (soft foam pads) beneath the sanding discs. Then attach Bona 8300, grit 100. Sand once again.
5. 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 even sanding, always sand in a systematic pattern and at a consistent speed (see below). If using the optional Bona FlexiSand weights it is important to use them appropriately.

2 weights (14 Kg) can be used with coarse abrasive and 1 weight with medium abrasives. No weights should be used with Bona ErgoEdge, Diamond Sanding Plates, fine abrasives or when a standard Bona FlexiSand drive plate is being used.

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. Sanding such surfaces using only the Bona FlexiSand / PowerDrive combination may not be sufficient to absolutely level the floor.

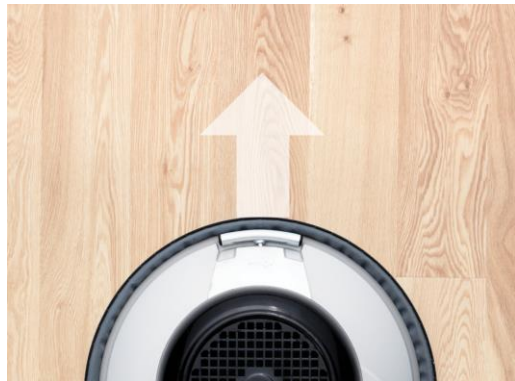
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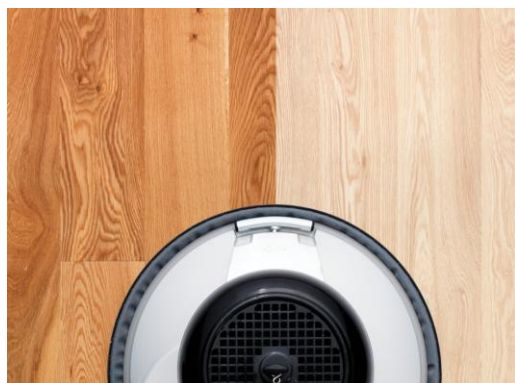
Sanding process



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.

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