

Bona Power Drive

Technical data sheet

Bona Power Drive is a unique drive plate with four force driven sanding discs for unsurpassed powerful rotary sanding of wooden floors. Mounted on Bona FlexiSand 1.5 it is capable of removing thick layers of varnish and can be used for the full renovation of wooden floors, replacing the need for conventional belt sanding. The advantages of rotary sanding is the simplicity of use and minimized need for edge sanding while delivering excellent sanding results. The drive plate is easy to manoeuvre in small, confined spaces and can be used independent of the direction of the wood.

- For powerful rotary sanding to bare wood
- Reduces need for edge sanding. Only leaves a 3 cm strip against the wall.
- Delivers a fantastically fine and smooth sanding result
- Failsafe, no risk of drum marks and similar
- Can through FlexiSand 1.5 be connected to Bona DCS 70 for dust free sanding.

Technical data

Compatible with:	Bona FlexiSand 1.5
No. of discs:	4
Disc diam.:	Ø 150 mm
Weight:	6,7 kg
Dimensions:	410mm/ 410mm/ 93mm

Assembly

Disconnect the machine before assembling or disassembling the Bona Power Drive on Bona FlexiSand 1.5. Only use Bona Power Drive with Bona FlexiSand1.5

Assembly

1. Place the cog ring towards the chassi and align towards the screw holes.
2. Fasten the cog ring with the supplied screws. Self-Cutting screws.
3. Push the drive plate towards the machines driving axle so that the cogs meet the cog ring.
4. Turn one of the sanding discs clockwise until the drive plate can be locked.
5. Secure the drive plate by folding down the latch bolt.

Disassembly

1. Lift the latch bolt
2. Place the tip of the supplied box spanner between the driving axle and the drive plate bracket and then press off the drivplate.
3. Turn one of the sanding discs counterclockwise until the drive plate can be freed.

Directions for use

Carefully read through the entire user manual and the safety instructions for Bona FlexiSand 1.5 before using this equipment.

The machine should be connected to a vacuum cleaner to minimize the spread of unhealthy dust. We strongly recommend to connect to Bona DCS 70 for dust free sanding.

Sanding



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Sanding



To start the machine, fold the handle slightly backwards. Unlike conventional drive plates the counter-rotating cog construction equalizes the sanding force so that the machine stands more or less still during operation and is controlled by simply walking back and forth.

The following method has been developed for optimum sanding results while maintaining high material removal. It may however be necessary to change between different grit sizes, depending on the wood species hardness and local conditions/requirements.

1. To remove old lacquer/oil or to flatten newly installed wooden floors then start with using Bona 8700, grit 50.
2. When surface is flat and all old lacquer has been removed then sand again using Bona 8300, grit 60.
3. Mount four intermediate pads (soft foam pads) on the sanding discs and attach Bona 8300, grit 100. Sand once again.
4. In cases of particularly high demands on the sanding such as if surface treating with pigmented oil or stain, then finish the sanding with Bona Diamond Abrasives grit 240 (with intermediate pads mounted).

For a fine and flat sanding, always sand in a systematic pattern and in a consistent speed according to the below model.

Sanding methodology

1. Move the machine in a systematic pattern.
2. Work in a straight line in the direction of the wood and return by moving backwards along the same path.
3. Overlap the previous sanding track by half.

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