

Instruction manual

Standard milling machine Floor IQ



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1 INTRODUCTION

Thank you very much for choosing the electrical floor milling machine. This information guide describes the floor milling machine type VLFR Standard. In this guide you will find important information for a good and safe operation of the machine.



Please read this guide carefully before you are going to use the electrical floor milling machine. Keep this guide near the machine, so that you can consult the instructions and safety regulations at all times.

2 Machine description

Application

The VLFR standard is an electrical floor milling machine for milling grooves into sand cement and anhydrite (top layer floors) . The machine has a diamond tuck point-blade.

The upper half of the tuck-point is protected by a protection cap with a connection for a vacuum cleaner. You must work dry with this machine, if you put a suitable vacuum cleaner on this machine you can work completely dust-free.

Accessories

You can put diamond saws with different breaths on this floor milling machine. A measure distant conductor and a bigger dust cap are optional.

Safety function

To prevent that the floor milling machine will get overloaded is a thermal security placed on the machine. It is forbidden to switch this off or to tide it over.

3 SAFETY INSTRUCTIONS

Please read the following safety instructions carefully before you are going to use the floor milling machine. Follow the instructions conscientiously while using the machine. KEEP THESE SAFETY INSTRUCTIONS near the machine, so that you can consult them at all times.



surrounding conditions

- NEVER use the floor milling machine if there are any combustible liquids or gasses on or near the working place.
- Before you start milling the floor, you must check your building-drawings or use detective tools to see if there are not any water –and/or electrical pipes in the surface.
- NEVER use the milling machine if the working place is not cleared and if there is any danger to stumble. Also, mind that the lighting of the working place is sufficient.
- Take care that there are not any other people near the working place. Especially NEVER allow children. Take care that nobody touches the floor milling machine.
- NEVER get yourself distracted while working.
- Take care of an easy attitude of the body.

Load and discharge

- It is not allowed to lift the machine with two persons, because the total weight of this machine is over 50kg.

Protection tools:

The following personal protection tools are obligated:

- Hearing protection
- Safety shoes
- A dust mask

- Do not wear any jewellery or loose clothes

Electronical dangers



- Always connect your electrical cable to a switchboard/ plug witch is connected to an earth leakage circuit breaker
- NEVER use the milling machine if the working place is moist or wet.
- NEVER work with the machine outside while it is raining.
- The floor milling machine is an electronical machine. To prevent electric shock injuries and fire-risk you must ALWAYS follow the safety instructions.
- The floor milling machine is provide with a disposed plug. DO NOT replaces this for a plug without earth leakage circuit breaker

Diamond tuck points

- Exclusively use diamond tuck points conforming the specifications mentioned in this guide. Do not use diamond tuck points with a wrong shaft gap or with a smaller or bigger diameter than is prescribed.
- Make sure that the floor milling machine is clean. Keep grasps dry and free from oil and grease.
- The diamond tuck points are sharp, handle them carefully and prudently.
- When you change the tuck-point you always have to pull the plug out of the socket before you remove synthetic nuts from the dust cap.

Warning symbols

You can find the following stickers with command- and warning symbols on the floor milling machine.



4 OBLIGED CHECKS BEFORE INTRODUCTION

The following checks are obliged before you are going to use the floor milling machine. You can NEVER use the milling machine, if you discover by one or more checks that the current supply does not function completely correct.



Check if your current supply:

The extension cords are safe for the aimed work. The electrical cables are safe for the aimed work.

Electrical cables are fully rolled off of the reels. The total length of your cable to your current plug cannot be over 20m. Electrical cables do not have damage or breaks. You do not have water somewhere on you working spot.

You have electrical power on you working spot which is earthen
The current supply is grounded .

Check by the milling machine if:

The operation switch is off, so that the milling machine will not begin to function the moment that you pull the plug into the socket. Safety functions and the operation switch function correctly.

Take care that a component with a safety function or an operation switch that functions badly is replaced before you start working with the machine.

Take care that the tuck-point is not deformed or cracked, replace the tuck-point in case off damaged or malfunctioning or if you doubt the quality of the tuck-point. The tuck-point and clamping bush need to be well tightened.

The protection cap of the tuck-point is solidly tightened. There are no tools or wrenches left on the milling machine.

5 OPERATION

During the operation of the milling machine you should follow the safety instructions carefully.

Only work with an electrical cable which is earthen with minimal 2.5mm/3 (3 string) Take care that the machine will NEVER get unnecessary overcharged while milling.

NEVER make the rotation of the tuck-point stop by exercise pressure on the side of it. Only use the original diamond tuck points of Floor-iQ.

Removing the tuck-point

ALWAYS first pull the plug out of the socket, before you change your tuck-point.

- 1 Turn the two synthetic nuts, which are fastened to the dust cap loose
- 2 Remove the dust cap.
- 3 Untie with an open-end wrench the 6 sided nut from the shaft.
- 4 Remove the fill ring
- 5 Remove the tuck-point

Mounting of the tuck-point

Mounting of the tuck-point happens in sequence.

1. Slide the tuck-point over the shaft
2. Slide the over the shaft
3. Turn the 6-sided nut on the axle and tightened it with an open- end wrench .
4. Mount the dust cap and tightened the two synthetic nuts well.

Adjust the milling depth

- 1 Turn the securing handle to the left.
- 2 Turn with a synthetic spindle the tuck-point to the depth which you want.
- 3 Turn the securing handle to the right, so that the tuck-point remains at the same depth (Pay attention: the tuck-point will wear out while milling, this will affect the milling depth)

On- off switching of the machine:

Switch on

- 1 Before you switch your machine on, always first switch on your vacuum cleaner.
- 2 Pull out the red emergency stop button.
- 3 Press the black button next to the emergency stop.
- 4 Make sure the machine reaches it's maximum rpm before starting work.
- 5 Adjust the required milling depth.
- 6 Start milling. Move the machine slowly and with constant speed over the floor.

Switch off

- 1 Press the red emergency stop button.
- 2 Do not get your saw out of the floor, before the tuck-point stands completely still.
- 3 Now turn off your vacuum cleaner.

6 Maintenance

Check regularly if the tuck-point is still in good condition. Directly replace the tuck-point when it is damaged or worn out.

Prevent early wearing out through by keeping the machine as dust-free as possible. Therefore use the vacuum cleaner regularly to keep the machine clean.

Repairs can only be done by your supplier or by persons who are skilled for this job. In case your repair is not done by Floor-iQ your guarantee expires. This way your machine remains safe and reliable.

7 Technical subjects

| | |
|-------------------------------|----------------|
| Number of diamond tuck points | : 1 |
| Max. Tuck point width | : 19mm |
| Max. Tuck point diameter | : 120mm |
| Min. Milling depth | : 1mm |
| Max. Milling depth | : 24mm |
| Borehole | : 22,2mm |
| Power supply | : 230V or 400V |
| Turns per min. | : ca.6500 rpm |
| Sound level | : 86dB(A) |
| Weight | : ca. 63kg |

Floor-iQ keeps the right to change technical data mentioned above without preceded notice. This is in relation to continuing innovative developments of the machine.

8 Failure survey

| Failure | Possible cause | Solution |
|---|--|---|
| The tuck-point cannot be sufficiently tightened/secured | The tuck-point does not meet the requirements | Remove the tuck-point and replace it for an original tuck-point. |
| The dust cover can not be closed | The diameter of the tuck-point is too big | Remove the tuck-point and replace it for a tuck-point with a diameter of 120mm. |
| Dust comes free while freezing. | The vacuum cleaner | Check if the filter of the vacuum cleaner is still clean. In case it is not, you should clean the filter. |
| The motor of the machine works, but the milling-blade stands still. | Driving gear or knurled clamping nut. | Check if the driving gear is not blast. Is the knurled clamping nut, where you put the tuck-point permanently, sufficiently tightened. |
| The thermal switch switches of the machine | The floor is too hard or you are pushing too hard against the machine. | Replace the tuck-point for a tuck-point that is suitable for hard floors. Let the machine do his work. |