SPECIFICATIONS

	FB 7
Model	
Power input	2100 W
No load speed	6600 min^{-1}
Spindle thread	M14
Spindle thread length	20 mm
Cup wheel max. diameter	178 mm (7”)
Max. thickness of a new cup wheel	30 mm
Vacuum cleaner suction hose diameter	35 mm
Weight	5,6 kg
Safety class (EN 50144)	II

This SPARKY power tool is supplied from single-phase alternating current mains. It is double insulated according to EN 50144 and IEC 60745 and can be connected to grounded or not grounded sockets. This power tool is radio suppressed in compliance with EN 55014-1, EN 55014-2, EN 61000-3-2, EN 61000-3-3 for radio interference.

DESIGNATION

This power tool is designed for rough and fine grinding concrete and rock material with the purpose of refurbishing before laying plaster and protective coating. The machine is designed for dry grinding only.

MAIN COMPONENTS

1. Spindle
2. Wheel guard
3. Base support washer
4. Diamond cup wheel
5. Lock nut
6. Auxiliary handle
7. ON/OFF switch
8. ON/OFF switch locking button
9. Spindle lock button
10. Rubber seal
11. Fastening bracket
12. Button for mutual interlocking the rotating handle and the switch

ACCESSORIES TO BE USED WITH THIS POWER TOOL

Diamond cup wheel 7"

FOR YOUR SAFETY READ BEFORE USE!

Attention, dangeros operation!

The small particles separated from the abrasive wheel and from the machined piece, as well as touching rotating parts of the power tool could cause severe physical injuries, and noise loading from continuous operation could damage the operator’s hearing if the belowmentioned requirements and those in the enclosed Safety Instructions are not observed.

Safety operation instructions and precautions

Before starting to operate the grinder, always check the following:

- Make sure power supply voltage corresponds to the value indicated on the name plate with technical data of the tool;
- Always check the position of ON/OFF switch. The concrete grinder must be connected to the power supply socket only when this switch is in OFF position.
- Make sure the cord and the plug are in order. In case of faults the defective item must be replaced by an authorised person.
- Make sure the cup wheel diameter and thickness do not exceed the values specified on the name plate. The peripheral speed indicated on the wheel must not be less than 80 m/s.

DURING CARRYING OUT ANY WORK, PLEASE DO OBSERVE THE FOLLOWING SAFETY REQUIREMENTS:

● Always use the auxiliary handle and hold the machine firmly with both hands.

Never operate the tool without goggles, ear defenders and dust-proof mask.

●The dust, separated during operation is dangerous to your health - use aspiration!

● Never switch on the grinder under load, and leave it down only after final rotation stop.

● Always keep the cord away from the working area of the cup wheel.

● Fix the processed material in appropriate way if necessary.

● Wear protective gloves, stable footwear and apron if necessary.

● Fasten the cup wheel only by a special wrench, using the original base support washer and lock nut.

● Do not use damaged cup wheels.

The grinding accessory continues rotation even after the machine is switched off.

● Never apply side pressure to stop the cup wheel rotation after switching off the grinder.

● Unplug the machine prior to any adjustment, repair or maintenance or in case of mains drop out.

● SPARKY power tools must not be used outdoors in rainy weather, or in moist environment (after rain) or in close vicinity with easily flammable liquids and gases. The working place should be well lit.

● Noise and vibration values

The values typical for the device measured according to EN 50144 are:

Sound pressure level	- 91 dB (A)
Sound power level	- 104 dB (A)
Weighted acceleration	- 5 m/s^2

OPERATING DIRECTIONS

Switching on - switching off

The concrete grinder is secured against unintentional switching on.

- Switching on: first press the auxiliary button 8 positioned at the front of ON/OFF switch, then press ON/OFF switch 7. For continuous operation switch 7 can be locked. In this case while holding switch 7, press button 8 and the release switch 7.

- Switching off: release switch 7; in case the switch is locked, first press and then release that switch.

The concrete grinder is secured against unintentional switching on.

In case of mains drop-out for time t > 0,5 s, the machine halts operation even if the ON/OFF switch is in ON position, the machine should not operate after supply recovering. To start operating the machine, first switch off and then switch on the lever of ON/OFF switch 7.

Wheel guard

The wheel guard 2 must always be mounted on the machine!

Wheel replacement

Secure spindle 1 by pressing the spindle lock button 9 on the gear case.

Never press button 9 while the spindle is still rotating!

With this button depressed turn the spindle in direction opposite to that shown on the wheel guard 2, till its pronounced going deeper Unscrew lock nut 5 by a lock nut wrench. Place the new wheel on the base support washer 3 and screw down nut 5 with its flat side facing the wheel using the lock nut wrench. After replacing the wheel, operate the machine with the new wheel in no load mode for one minute. Vibrating or otherwise improperly rotating wheels must be replaced immediately and discarded. When replacing the wheel, change the rubber seal as well.

Replacing the rubber seal
The rubber seal 10 provides for decreasing to the utmost of the dust emitted in the environment. It wears out along with the wheel. When replacing the wheel, change the rubber seal as well. Loosen the screw in bracket 11 and remove the old rubber seal. Place the new seal, taking care the edge of the wheel guard 2 will enter the provided in the seal groove. Place back the bracket 11 and fasten it.

Auxiliary handle
The auxiliary handle 6 is fastened to the gear case through two screws. Always use the auxiliary handle and hold the machine firmly with both hands.

Rotating the handle towards the machine body
The rear handle can be rotated at -90° and +90° towards its basic position. This is applied when the machine is used mainly for cutting. Rotation must be performed only when the machine is switched off. To prevent handle rotation with switched-on machine, button 12 and switch lever 7 are mutually interlocked. In order to rotate the handle -90° or +90° towards its basic position, switch off the ON/OFF switch and with button 12 depressed; rotate the handle until stop and the release button 12.

Rotating the rear handle during operation is a basis for accidents.
Rotating the rear handle during operation is not allowed!
Rotating the rear handle of the machine should be performed only if the ON/OFF switch is switched off and the spindle is not rotating!

Operate the machine only with firmly fixed rear handle!
After the rotation of the rear handle, the fixing button should have fixed the rear handle firmly.

Dust extraction
The machine can be operated only with dust extraction. Wear dust-proof mask. The vacuum cleaner must be appropriate for suction of stone dust. Connect the vacuum cleaner to the dust extraction tube of the wheel guard.

Recommendations
When grinding do not apply pressure to the processed surface by rearing down on the machine but move the wheel smoothly. Use the appropriate type of wheel for the specific operation and the material.

Maintenance and repair
Cleaning the motor body must be performed with compressed air through the ventilation slots to ensure effective motor cooling and faultless operation.
This power tool does not require any special maintenance. Any operations on the machine, save wheel and rubber seal replacement must be accomplished by authorised persons in authorised service centres for warranty and post-warranty servicing of SPARKY power tools.

Warranty

The guarantee period for SPARKY power tools is determined in the guarantee card.
Faults due to normal wear; overloading or improper handling will be excluded from the guarantee.
Faults due to defective materials implemented as well as defects in workmanship are to be corrected free of charge through replacement or repair.
The complaints for defective SPARKY power tools will be recognised if the machine is sent back to the dealer or is presented to the authorized warranty service centre undismantled, in its initial condition.

Environmental Protection

The machine, accessories and packaging should be sorted for environmental-friendly recycling.
These instructions are printed on recycled paper manufactured without chlorine.
The plastic components are labelled for categorised recycling.