



## SPECIFICATIONS

Model	<b>TK 50</b>
Power input	800 W
No load speed	5800 min <sup>-1</sup>
Max. cutting capacity:	
at 90°	50 mm
at 45°	32 mm
Max. blade dia.	150 mm
Min. blade dia.	140 mm
Blade arbour	20 mm
Weight	2,8 kg
Safety class (EN 50144)	II

This model SPARKY power tool is supplied from single-phase alternating current mains. It is completely protectively insulated according to EN 50144, 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.

## MAIN COMPONENTS

1. ON/OFF switch locking button
2. ON/OFF switch lever
3. Lever for fixing the cutting depth / ruler
4. Parallel guide / ruler
5. Thrust washer
6. Blade tightening screw
7. Washer
8. Clamping washer
9. Slotting knife
10. Mobile guard
11. Screw for fixing the slotting knife
12. Chip deflection nozzle
13. Nut for adjusting bevel cutting / ruler
14. Fixing screw

## ACCESSORIES TO BE USED WITH THIS POWERTOOL

Carbide-tipped blade  
Blade diameter -  $\varnothing_{\max}$  150 mm  
Blade arbour -  $\varnothing$ 20 mm



## READ BEFORE USE! ATTENTION, DANGEROUS OPERATIONS!

Improper chip deflection, operating with unsecured work piece or touching the moving parts of the circular saw could cause severe physical injuries, and noise loading could damage the operator's hearing if the below-mentioned instructions and those in the enclosed Safety Instructions are not observed.

## SAFETY OPERATION INSTRUCTIONS AND PRECAUTIONS

Before starting to operate the circular saw, 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 circular saw must be connected to the power supply socket only when this switch is in OFF position.
- Always inspect the blade. Use only well grinded blades. Never use blades with cracks and indents or HSS-blades.
- Slotting knife must not touch the blade.
- Check if the mobile guard moves freely.
- Make sure the work piece or the material is well secured.
- Make sure the cord and the plug are in order. In case the supply cord is damaged, it must be replaced with a special cord or assembly, available from the manufacturer or its service agent, in order to avoid hazard due to the replacement.

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



Always wear protective glasses.



Wear ear protectors.

- Always withdraw the plug from the power supply socket before replacing the blade, adjusting and maintenance of the machine or in case of mains drop out.
- Always keep the cord away from the working area of the circular saw.
- Feed the circular saw toward the material only if it is switched on.
- Never apply side pressure to stop the blade rotation after switching off the saw.
- Do not use blades with parameters not

corresponding to those mentioned above.

- Do not use blades thicker and with teeth set thinner than the slotting knife with thickness 2 mm.
- Do not dismount the slotting knife, except for emersion incision.
- Mobile guard must not be locked in open position during the pauses between different operations.
- Be intent when working with the saw to prevent incision of nails, etc.
- Feed the circular saw smoothly (thus reducing accidents and prolonging blade life).
- Do not overload the saw.
- On jamming the blade switch out the tool immediately (by loosening switch lever).
- This tool satisfies the corresponding safety requirements. Except for changing the blade, adjusting the slotting knife and incision depth, all other operations and repairs must be performed by an authorised person in the authorised warranty service centre.
- 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 emission and vibrations

The values, typical for the device, measured in accordance with EN 50144 are:

Sound pressure level	- 91 dB (A)
Sound power level	- 104 dB (A)
Weighted acceleration	- 2,1 m/s <sup>2</sup>

## OPERATING DIRECTIONS

- Switching on - switching off
- Switching on: press locking button 1 and then the lever of ON/OFF switch 2.
- Switching off: release the lever of ON/OFF switch 2.
- Mounting the blade

**ATTENTION!** Draw the plug out of mains socket!  
The blade is covered by mobile guard 10 at rest and during work. Turn the guard over and hold in this position. Unscrew by Allen key screw 6, while detaining clamping washer 8 by a spanner or by placing the blade upon wood. Dismount washer 8 and blade. Mounting the blade is achieved in reverse order. The supporting surfaces of thrust washer 5, blade and clamping washer 8 must be clean. The directions of arrows on the blade and the immobile guard must correspond.

- Adjusting the slotting knife
- Slotting knife 9 prevents jamming the blade. It should be adjusted so that the distance to top of teeth and cutting depth must not exceed 5 mm (see the drawing). Tighten the slotting knife by Allen-head screw 11 on the rear of the immobile guard.

- Adjusting the cutting depth
- Choose cutting depth 5 mm bigger than material thickness. Loosen lever 3, adjust the cutting depth by ruler 3 and tighten the lever back. The fixing of the lever must be stable. If necessary, adjust the fixing unit.

- Adjusting the fixing
- Unscrew the fixing screw 14. Remove lever 3 from the grooves. Place lever 3 back in position, rotated counter-clockwise towards its initial position. Assemble in reverse order and tighten the fixing screw 14.

- Adjusting bevel cutting
- Loosen wing nut 13, adjust the cutting angle according to ruler 13 and tighten wing nut 13 again.

- Cutting indicator
- The right slot in the saw base on the side of the parallel guide is used as an indicator when cutting vertically, and the left slot - when the blade is inclined at 45°. A test cut is recommended.

- Parallel guide
- Guide 4 is used when cutting parallel to the edge of a shaped part. Cutting width is adjusted by ruler 4. The wing nut should be well tightened.

- Maintenance and repair
- This model circular saw does not require any special maintenance. Any work on the machine, save blade replacement, adjusting the slotting knife, adjusting the fixing, fixing the cutting depth and cutting angle, 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 will 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 authorised warranty service centre undismantled, in its initial condition.