



fig. 2

SPECIFICATIONS

Model	TK 70
Power input	1400 W
No load speed	5800 min ⁻¹
Max. cutting capacity:	blade Ø200 mm
at 90°	70 mm
at 45°	49 mm
Max. blade dia.	200 mm
Min. blade dia.	190 mm
Blade arbour	30 mm
Weigh	6,2 kg
Safety class (EN 50144)	II



This model SPARKY power tool is supplied from single-phase alternating current mains. It is double 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.

DESIGNATION

This power tool is designed for longitudinal and cross sawing wood in a straight line at bevel angle from 0° to 45°.

MAIN COMPONENTS

1. ON/OFF switch locking button
2. ON/OFF switch lever
3. Nut for fixing the cutting depth/ruler
4. Parallel guide/ruler
5. Thrust washer
6. Blade tightening screw
7. Parallel guide fixing nut
8. Clamping washer
9. Slotting knife
10. Mobile guard
11. Screw for fixing the slotting knife
12. Allen key
13. Nut for adjusting bevel cutting/ruler
14. Adapter
15. Screw
16. Washer
17. Screw
18. Saw blade

ACCESSORIES TO BE USED WITH THIS POWER TOOL

Carbide-tipped blade
Blade diameter - Ø_{max} 200 mm
Blade arbour - Ø30 mm



FOR YOUR SAFETY READ BEFORE USE!



Attention, dangerous operation!

Improper dust capturing, 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:**



Never operate the machine without goggles!



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.

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

● 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	- 92 dB (A)
Sound power level	- 105 dB (A)
Weighted acceleration	- 3,2 m/s ²

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



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 wing nut 3, adjust the cutting depth by ruler 3 and tighten wing nut back.

Adjusting bevel cutting

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

Adjusting the saw blade parallel position towards the base plate (fig.2)

We recommend to perform this adjustment in authorised service centres for warranty and post-warranty servicing of SPARKY power tools, where the equipment for precise adjustment is available. If necessary, the adjustment can be performed according the operations listed below, but any possible consequences are at customer's expense.

- Unwind the four bolts, fixing the base plate to the machine.
- Place the guide of the parallel guide on the short side of the base plate, the ruler shall lean against the blade along the whole length (as shown on fig.2).
- Rotate the machine slightly, so the blade can touch the ruler along the whole length.
- In this position, lubricate all screw threads and the joints to the base plate with glue "Loctite 243" and fasten the screws with torque 1,5 Nm.
- Wait for 1 hour prior to initial operation of the machine, so the glue can reach its maximum strength.

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.

Dust capturing

The circular saw may be completed in addition with dust capturing adapter. Place adapter 14 on guard cover and fix it by screw 15 and washer 16. This adapter fits vacuum cleaners with Ø35 hose orifice.

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, 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.



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.