

# Pro'sKit®

## PT-5201A/B MINI GRINDER



### USER'S MANUAL

**1<sup>st</sup> Edition,**

©2016 Copyright by Prokit's Industries Co., Ltd.

## Component

1. Collet nut
2. Spindle lock button
3. Switch
4. Cord



## Important!

Please carefully read the instruction in this manual as well as the general.

Safety instruction before using this appliance, keep these manuals handy.

**THE VARIOUS PLASTIC BAGS SHOULD NOT BE LEFT WITHIN THE REACH OF CHILDREN, RISK OF SUFFOCATION.**

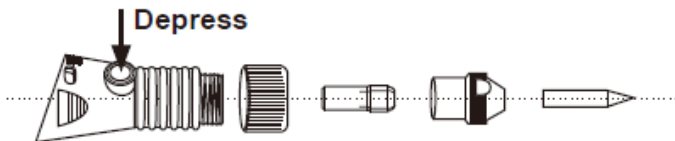
## Technical characteristics

Voltage	18.5VDC
Max. diameter	3.2mm
No load speed	8000~18000rpm $\pm 10\%$
Vibration level	Less than 0.15mm
Acoustic pressure less than	70dB

## Adaptor

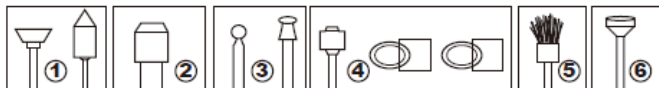
Input	100~240V~50/60Hz
Output	18.5VDC 400mA

## Use



To use the different accessories, press the shaft locking button located to the rear of chuck, unscrew it by hand, fit the chosen accessories and hand tighten the chuck again.

## Accessories



(1) 2 pcs grinding (3mm) stones (2) 1 pc collet ( $\varnothing 2.4\text{mm}$ ) (3) 2 pcs diamond bits (5mm)

④ 2 pcs sanding bands 6.5x13mm (5) 1 pc nylon brush (5mm) (6) 1 pc engraving bit

## SAFETY INSTRUCTIONS

**IMPORTANT! WHEN USING ELECTRICAL TOOLS, THE FOLLOWING SAFETY INSTRUCTIONS SHOULD BE OBSERVED TO PREVENT THE RISK OF ELECTRIC SHOCK, PERSONAL INJURY AND FIRE. READ AND OBSERVE THESE INSTRUCTIONS CAREFULLY BEFORE USING THE TOOL.**

- 1. Keep work area clean** Cluttered workbenches invite injuries.
- 2. Consider work area environment** Do not expose power tools to rain. Do not use power tools in damp or wet locations. Keep work area well lit. Do not use power tools near flammable liquids or gases.
- 3. Guard against electric shock** Prevent body contact with grounded surfaces (e.g. pipes, radiators, ranges, refrigerators, etc.).
- 4. Keep children away** Do not let visitors contact tool or extension cord. All visitors should be kept away from work.

- area.
5. **Store ideal tools** When not in use, tools should be stored in a dry, high, or locked-up place, out of the reach of children.
  6. **Do not force tool** It will do a better job and operate more safely at the rate for which it was intended.
  7. **Use right tool** Do not force small tools or attachments to do the job of a heavy duty tool. Do not use tools for other than their intended purpose; for example, do not use a circular saw for cutting tree limbs or logs.
  8. **Dress properly** Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear is recommended when working outdoor. Wear protective hair covering to contain hair.
  9. **Use safety glasses** Also use a dust mask during pulverulent operations and wear ear protection. If the noise level. Exceeds 70dB(A), ear protection is obligatory. Indicated noise levels may be exceeded dependent on the working environment and the material to be treated.
  10. **Use dust extraction** If dust extraction and collection devices are present on the tool, make sure that they will be used properly.
  11. **Do not abuse cord** Never carry tool by cord or yank it to disconnect it from wall outlet. Keep cord from heat, oil and sharp edges.
  12. **Secure work** Use clamps or a vise to hold the workpiece. It is safer and it frees both hands to operate tool.
  13. **Do not overreach** Keep proper footing and balance at all times.
  14. **Maintain tools with care** Keep tools sharp and clean for better and safe performance. Follow instructions for lubricating and changing accessories. Inspect tool periodically and, if damaged, have them repaired by an authorized service facility. Inspect extension cords periodically and replace if damaged. Keep Handles dry, clean and free from oil and grease.
  15. **Disconnect tools** Disconnect tools when not in use, before servicing, and when changing accessories such as blades, bits and cutters.
  16. **Remove adjusting keys and wrenches** From the habit of checking to see that keys and adjusting wrenches are removed from tool before switching it on.
  17. **Avoid unintentional starting** Do not carry plugged-in tools with finger on switch. Be sure the tool is switched off before plugging in.
  18. **Outdoor use extension cords** When tool is used outdoors,

use only extension cords intended for use outdoors and so marked.

19. **Stay alert** Watch what you are doing. Use common sense. Do not operate tool when you are tired.
20. **Check damaged parts** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or re placed by an authorized service center unless otherwise indicated elsewhere in the instruction manual. Do not use tool if switch does not turn it on and off.
21. **Warning** The use of any other accessories or attachment other than recommended in the instruction manual may present a risk of personal injury.
22. **Have your tool repaired by an expert** This electric appliance is built accordance with the relevant safety rules. Repair of electric appliances must only be carried out by experts otherwise it may cause considerable danger for the user.
23. **Store these instructions for future reference.**

## Assembly and operation

### Mounting an accessory

Keep the spindle lock button depressed. Slacken the collet nut. Insert the shaft of the accessory into the collet.tighten the collet nut. Release the spindle lock button in order to remove the accessory, proceed in reverse order.

### Replacing the collet

Keep the spindle lock button depressed. Slacken the collet nut. Remove the collet nut and the old collet. Place the new collet in. Replace the collet nut and tighten the collet nut. Release the spindle lock button.

**CAUTION!** Always Unplug from the tool and switch off before replacing the collet; Choose a low speed at first for working.; Never press the locking pin while the machine is running

**Polishing.** A polishing wheel is set for polishing metal and plastic workpieces. A mandrel is used for mounting a polishing wheel. Place the mandrel in the collet nut Place a polishing wheel on the screw.

**Rouging.** A router bit is used for grooving and for routing figures in plastic, wooden and metal workpieces. Place a router bit in the collet nut.

**Grinding and sanding.** A grinding stone is used for grinding metal, plastic, wooden and the stone workpieces, A sanding band is used for sanding wooden and plastic workpieces. Place a grinding stone or sanding band with mandrel in the collet nut. A sanding band must be replaced when showing signs of wear Remove the old sanding band from the mandrel. Place the new sanding band on the mandrel Clamp all tolls as short as possible, Shafts, which stick out too far will easily bend causing the machine to vibrate.

## **Maintenance**

**CAUTION:** Pull out the plug before maintenance

Keep the machine clean

Keep the air vent unimpeded

Do not use the sharp material to clean the machine

Do not let liquid enter into the machine to prevent it from rust

**HAVE YOUR POWER TOOL SERVICED BY A QUALIFIED REPAIR PERSON USING ONLY IDENTICAL REPLACEMENT PARTS. THIS WILL ENSURE THAT THE SAFETY OF THE POWER TOOL IS MAINTAINED.**