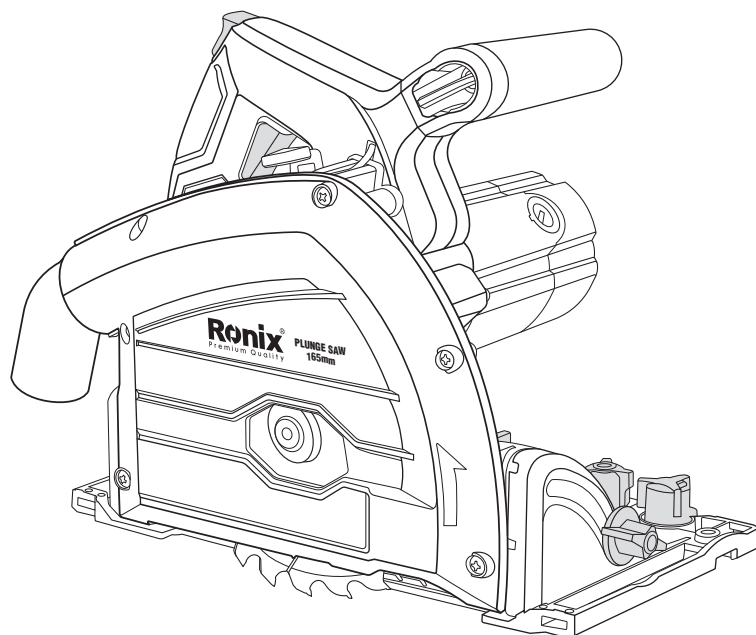


# Ronix<sup>®</sup>

Premium Quality

## PLUNGE SAW 165mm 4350



[www.ronixtools.com](http://www.ronixtools.com)

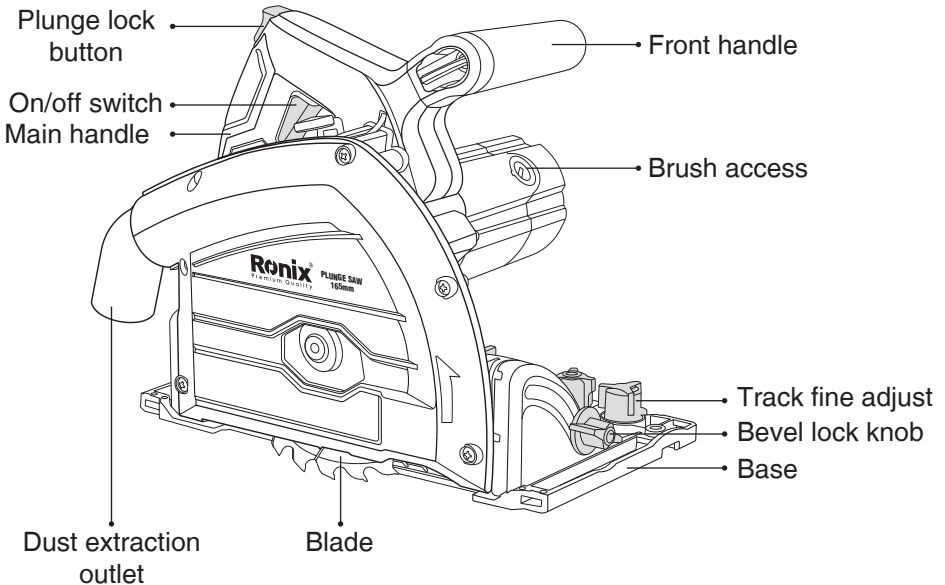




## TECHNICAL SPECIFICATION

Model	<b>4350</b>
Motor Type	Brushed Motor
Power	1200W
Voltage	220-240V
Frequency	50-60Hz
No-Load Speed	6000RPM
Surface Recommendation	Wood
Track Material	Aluminum
Track Dimensions	100×18.26×1.06cm
Cutting Depth With Track At 90° / 45°	54mm /38mm
Cutting Depth Without Track At 90° / 45°	59mm /42mm
Blade Dimensions	165×20×2.2mm
Product Dimensions	34.5×24.5×25mm
Blade Material	Alloy Saw Blade
Body Material	PA6+GF30, ADC12
Weight	5.2Kg
Sound Level	LpA=88, 53dB(A) LwA, 99, 53dB(A) Uncertainty, K=3dB(A)
Track Length	1m
Net Weight	1.5Kg
Include	2pc hex key (S=3, S=5) 1 pair Clamp(2pcs) 1 set of connectors

## PART LIST



## INTENDED USE

A plunge saw, sometimes referred to as a track saw, is a type of hand-held circular saw which slides on a rail during application. You can perform long and accurate cuts with a plunge saw. Unlike other saws, a plunge saw can be fed at the start of the material or be plunged directly into where you need to cut. This is handy for cutting the likes of worktops for sinks and hobs.

## SAFETY REGULATION FOR THE USE

### • GENERAL SAFETY RULES

The following listed safety instructions should serve you for the right use of the tool and for the protection of your own safety, therefore, please read this very carefully. When passing this tool to a third person, these

instructions must be handed too. Retain this user's manual and all other literature supplied with your tool for any future reference. Comply with all the safety information and the warnings on the tool.

Be familiar with the controls and the proper use of the tool before attempting to use it and above all, make sure you know how to stop to use it in case of emergency.

Following these simple instructions will also maintain your tool in good working order.

- The tool must be assembled correctly before use.
- Only use the tool for its designed purposes.
- On the tool, there may be also decals and further indications about the safety equipment to use that must be considered.

The prevention of accidents is dependent upon the awareness, common sense and proper training of everyone involved in the operation, transport, maintenance and storage of the tool.

- Never leave the tool unattended.
- Never allow children to use the tool. Children should be supervised to ensure that they do not play with the tool.
- Keep children and pets away. All onlookers should be kept at a safe distance away from the tool when it is in use.
- The user is responsible for third party's while working with the tool.
- People who aren't acquainted with the operating instructions, children, juveniles who have not yet reached the minimum age for using this tool and people under the influence of alcohol, drugs or medication are not allowed to use the tool. Local regulations may restrict the age of the operator.

## **WORK AREA SAFETY**

a- Keep work area clean and well lit. Cluttered or dark areas invite accidents.

b- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks

which may ignite the dust or fumes.

c- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

## **ELECTRICAL SAFETY**

a- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.

b- Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.

c- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

d- Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.

e- A battery-operated tool with integral batteries or a separate battery pack must be recharged only with the specified charger for the battery. A charger that may be suitable for one type of battery may create a risk of fire when used with another battery.

Use battery operated tool only with specifically designated battery pack. Use of any other batteries may create a risk of fire.

## **PERSONAL SAFETY**

a- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

b- Use personal protective equipment. Always wear eye protection.

Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

c- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.

d- Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

e- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

f- Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.

g- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

## **POWER TOOL USE AND CARE**

a- Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.

b- Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

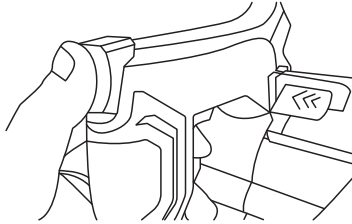
c- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tools. Power tools are dangerous in the hands of untrained users.

e- Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the

power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

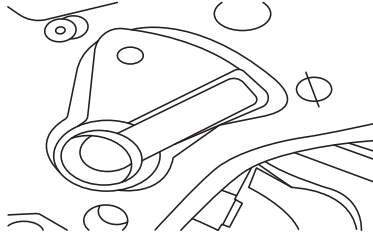
## TURNING THE MACHINE ON/OFF

Press the switch lock (1) and pull the trigger (2), the machine is on. Release the trigger, the machine is off.

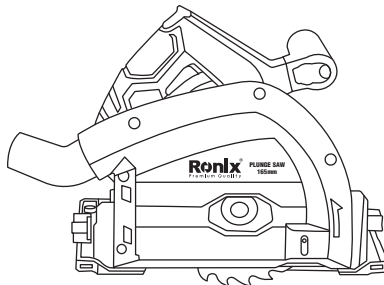


## FITTING/CHANGING THE CUTTING DISC

Move the mode selector to the blade change position.

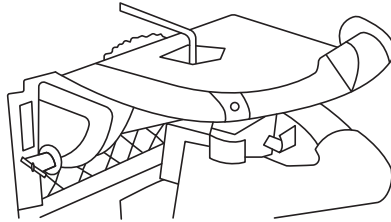


Press the plunge lock button and rotate the cutting head forwards until it locks in the blade change position (you will hear a 'click' when the locking pin has engaged and the switch safety interlock is activated).



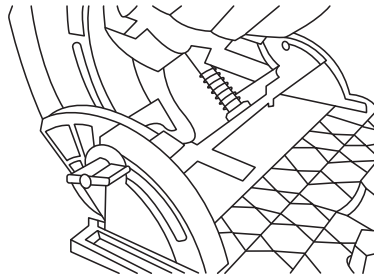


Depress the shaft lock button and use the hex key provided to remove the arbor bolt. Remove the blade.



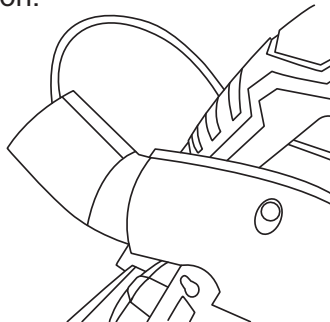
## BEVEL CUTTING

Loosen the front and rear bevel knobs (8). Adjust to the desired bevel angle 0°-90° cutting Lock the bevel knobs and begin cutting.



## DUST EXTRACTION

Attach a vacuum pipe to the universal vacuum adaptor (17) to keep the work environment clear of dust. The adaptor can be rotated 360° to the most convenient position.



## ■ CARBON BRUSHES

Remove and check the carbon brushes regularly. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes. Use a screwdriver to remove the brush holder caps (14). Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.

## GUIDE RAIL

Guide rail helps you make more clean cuts with your plunge saw. The length of a rail is 1 meter, you can make it longer by putting together 2 guide rails using guide rail connector, which is also sold separately. Rotate the Anti-kickback knob (5) to "0" position. Then put machine on guide rail. Prior to cutting a workpiece you should cut the rubber kerf strip to the correct size. Do this by setting the saw to scribe mode and performing a cut along the full length of the guiderail. This will trim the splinter strip to the exact size.

Note – dispose of the waster rubber strip.

## TRACK LOCK

Rotate the track lock knob through 90° to fix the saw to the guide rail. Set it to the '1' position to lock and '0' position to unlock.

Note – the track lock is required when performing bevel cuts.

## ■ TRACK FINE ADJUST

To remove excessive play between the saw and guide rail use the fine adjust cams. Loosen the front and rear fine adjust knobs. Adjust the cam lever to remove excess play, then re-tighten the knob. Do this for the front and rear clearance.

## ANTI-KICKBACK

This feature will prevent injury to the User if the saw unexpectedly kicks back. The anti-kickback is automatically engaged once the saw has been placed on the guide rail. If kickback does occur then check that the guide rail has not been permanently damaged.

## TROUBLESHOOTING

Trouble	Possible reason	Solution
The machine does not turn on	No mains voltage	Check the mains voltage
	Brushes are fully worn out	Replace the brushes
	The switch is broken, or an engine or any other main component	Contact nearest service center for repair or replacement
	Jamming of the disc or a shaft	Contact nearest service center for repair or replacement
The machine does turn on, but the discs do not rotate	The flange is not tightened enough	Tighten the flange
	Damage in the gearbox (shearing keys or gear teeth)	Contact nearest service center for repair or replacement
The machine does not develop full rotations or does not work at full power (determined by a strong drop in rotations during operation)	Low mains voltage	Check the mains voltage
	Brushes are fully worn out	Replace the brushes
	The disc is fully dull	Replace the discs
	Burned out winding or open circuit in the motor winding	Contact nearest service center for repair or replacement
	Electronic unit malfunction	Contact nearest service center for repair or replacement

Spindle or discs has stopped during the working process	The mains voltage is out	Check the mains voltage
	Overload protection kicked in	
	Jammed disc in the material (discs blunt, feed rate too high)	Replace discs, reduce feed rate
	The disc is spinning through themselves (if the flange is not fully tightened, grease gets under the flanges)	Tighten the flange, clean the contact surfaces
	Brushes are fully worn out	Replace the brushes
	Malfunction of the electronic unit or engine	Contact nearest service center for repair or replacement
	Jamming in the gearbox	Contact nearest service center for repair or replacement
The machine is overheating	Intensive operation, work with maximum load	Change the operating mode, reduce the load
	High ambient temperature, poor ventilation, clogged ventilation holes	Take steps to lower temperatures, improve ventilation, clean ventilation openings
	Lack of lubrication, damage in the gearbox	Contact nearest service center for repair or replacement
	The winding is burnt out or there is a break in the winding	Contact nearest service center for repair or replacement



[www.ronixtools.com](http://www.ronixtools.com)