



evolution

www.evolutionbuild.com

evOLUTION

5 | RAGE
0 | CORDLESS #36V LI-ION

185mm (7-1/4") TCT Multipurpose
36V Li-ion Cordless Circular Saw

Instruction Manual

Read instructions before operating this tool.



OPERATING INSTRUCTIONS

Technical Helpline UK
Technical Helpline USA

0870 609 2297
1-866-EVO-TOOL

Important

Please read these operating and safety instructions carefully and completely. For your own safety, before using this equipment check that the voltage is correct and that all handles and parts are firmly secured. If you are uncertain about any aspect of using this equipment, please contact our Technical Helpline.

SPECIFICATIONS

Outrage

Battery	36V Li-ion 2.6Ah
Maximum Box (1/8" 3mm Wall 90°)	55mm
Maximum Box (1/8" 3mm Wall 45°)	35mm
Optimum Cutting Thickness (Mild Steel Plate)	6mm
Maximum Cutting Thickness (Wood)	25.4mm
RPM No Load (min ⁻¹)	3500
Recommended Maximum Duty Cycle)	20mins
Sound Pressure Level (Under Load) dB(A)	98.8
Vibration Level (Under Load) (m/s ²)	4.8
Weight	5.5kg
Maximum Dimensions (HxWxD)	280 x 395 x 450
Minimum Dimensions (HxWxD)	240 x 260 x 400

Blade Dimensions

Maximum Diameter	185mm
Bore Diameter	20mm
Thickness	2mm

Standard Equipment Supplied With Unit

1 Side Handle, 1 Fence Guide, 1 Allen Wrench, 1 Carry Bag, RAGE 185mm Multipurpose Blade & Operator's Manual.

OPERATING INSTRUCTIONS

Ear and eye protection **MUST** be worn while operating this equipment. Do **NOT** touch the blade while it is in motion. Always follow the Personal Protection Equipment (PPE) recommendations while operating this tool. This machine is designed for cutting steel using the appropriate TCT (Tungsten Carbide Tipped) blades and accessories. It should **NOT** be modified and / or used for any application other than for which it was intended, including powering other equipment.

Ensure that the total work area can be viewed from the operating position. Use barriers to keep people 4 metres away, to avoid possible ejected debris. Do not operate the tool in explosive environments - power tools create sparks that may ignite flammable materials or gases. Do not operate the tool in damp or wet conditions or areas, as electric shocks may result. Always use both hands to operate the tool. Always ensure that the material you are working on is securely clamped.

- This tool is equipped with an approved cord and plug for its intended Country of use. The green and yellow conductor in the cord is the grounding wire, never connect this to a live terminal.
- Remove battery before replacement of the blade, making adjustments, or other maintenance work.
- Use only genuine EVOLUTION brand saw blades.
- Inspect the machine and blade before each use and do not use deformed, cracked, worn or otherwise damaged blades.
- Ensure the blade is correctly mounted and is appropriate for the material to be cut.
- Do not use blades made of high-speed steel.
- Do not use blades that do not comply with the characteristics specified in these instructions.
- Do not stop the blade by lateral pressure on the disc.
- When cutting wood, suitable dust extraction and breathing apparatus must be used, and the chip collection compartment **MUST** be emptied before cutting other materials.
- Ensure that moveable guards operate freely without jamming.
- Never use the tool without the original protection guard system. Do not lock the moving guard in the open position.
- When you put the tool away, switch off and ensure that all moving parts have come to a complete standstill.
- In case of jamming, immediately switch off the tool and disconnect the battery.
- Before using accessories, always compare the maximum allowed RPM of the accessory with the RPM of the tool.
- Ensure that the cutting depth adjustment handle, and angle adjustment handle, are firmly fixed while using the tool.
- Only use the flanges and washers that are supplied with the tool, and replace them if they become damaged or scored.

BATTERY CHARGING

Use only the supplied Evolution OUTRAGE battery charger.

Only these battery chargers are matched to the lithium ion battery of your power tool.

Note: The battery is supplied partially charged. To ensure full capacity of the battery, completely charge the battery in your battery charger before using your power tool for the first time.

- 1.** Plug the charger in with no battery inserted; 2nd light shows steady red.
- 2.** Slide battery down on to charger; 1st light shows steady dim red, 2nd light shows steady red. Fan starts running.
- 3.** Battery lights on; 1st Battery light flashes green to indicate charging has commenced.
- 4.** In the charging process each of the battery lights will flash green, the battery is fully charged when the 4th battery light is flashing green and the charger shows 1st light steady green, 2nd light steady red.
- 5.** If the battery is left plugged in to the charger beyond this stage the battery lights will go off and the charger lights will remain 1st light steady green, 2nd light steady red.

Note: Battery can be removed from the charger and another battery can be inserted, without switching off the charger.

BATTERY CHARGER



MACHINE SET-UP**Mounting / Removing TCT Saw Blades**

Remove the chip collection cover from the machine by undoing the two knurled knobs on the back. Using the supplied Allen Wrench, undo the M8 bolt that secures the blade and remove the blade flange. Note: Use spindle lock. Replace blade, making sure that the arrow for the direction of rotation of the blade matches that of the machine then tighten the M8 bolt with the flange in the correct position. Note: Check that the spindle lock is fully released by manually rotating the blade before use.

Adjustment Of The Cutting Depth

Release the handle to adjust to the required cutting depth. Ensure that the blade protrudes a maximum of 5/8" (4mm) through the material being cut. Tighten the handle fully to lock in position.

Adjustment Of The Cutting Angle

Release locking handle and adjust to the required cutting angle by lining up the mark with the imprinted scale. Tighten handle fully to lock in position. Note: There are certain compound cuts on which it may be necessary to manually retract the guard to allow the blade to enter into and / or through the cut.

Line Of Cut Guide Slots

Guide slots are provided at the front of the saw base. One slot is used to follow a line when making a 90° cut. The other slot is used to follow a line when making a 45° cut.

Operating Advice

Always clamp the work piece on a rigid support such as a bench or saw horses where possible. This tool is equipped with a safety start feature - to start the tool, you must first push in the switch on the side of the handle with your thumb - you can then depress the main trigger switch to power the motor. Do not force the tool - let the speed of the saw blade do the work. Cutting performance will not improve by applying more pressure on the tool and blade life will be reduced. When using the parallel guide, ensure that it is parallel with the blade and not the base of the tool, as otherwise the blade and motor could become damaged. To set the guide, loosen the retaining screw, and slide it up snugly against the side of the work piece. Retighten the screw to secure it in the desired position. Place front edge of saw squarely on work before starting motor. When starting a cut, sight the cutting line with the line of cut guide taking care to introduce the blade to the material slowly, so as not to damage its teeth. Use both hands to move the saw forward through the work piece. If the tool overload protection device activates – allow the motor to cool and then press the reset button to continue operation.

OPERATING INSTRUCTIONS**Chip Collection**

This tool is provided with a chip collector compartment. When the chips accumulate up to the see-through window, remove the cover, clean out the cover, then replace it, and tighten the knobs. Notice: The metal chips inside the cover may be very hot and sharp - do not touch with bare hands.

Dust Extraction

To allow the fitting of a dust extractor pipe, remove the small black cover located at the top left of the chip collection cover. Replace the cover when a dust extractor is not in use.

Maintenance & Troubleshooting

Keep tool and carry bag clean and free from chips. Avoid using cleaning products, which include benzene, trichloroethelene, chloride, and ammonia as these can damage plastic parts. In case of electrical or mechanical malfunction, immediately switch off the tool and disconnect the battery. For all other service please contact our Technical Helpline.

Lubrication

Your machine is lubricated at the factory with sufficient lubricant to last for approximately 72 hours of operation. To add lubricant, it is necessary to dismantle the tool. Please contact our Technical Helpline for information regarding this operation.

EVOLUTION BRAND BLADES ACCESSORIES

Multipurpose Blade Cuts Steel, Aluminium & Wood				
Diameter	Speed	Bore	Kerf	Teeth
185mm	3500min ⁻¹	20mm	2mm	20


Diamond Blade Cuts Stone, Paving & Brick				
Diameter	Speed	Bore	Kerf	Rim
185mm	8000min ⁻¹	20mm	2.5m	Segmented

Notice: Normal wear and tear and damage caused by misuse is NOT covered under the 12 month guarantee.

ENVIRONMENTAL PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling center and disposed of in an environmentally safe way.

Recyclable Materials Analysis List		
Material	Weight (Kg)	Percentage (%)
Aluminum	1.1	21.10
Cast Iron	0	0.0
Iron Plate	3.3	63.40
Plastics	0.7	13.40
Others	0.1	1.90
Total	5.20	99.80

Major Packaging Materials		
Material	Weight (Kg)	
Carton	1.16	
Polystyrene	0.00	
Plastic	3.43	
Polypropylene	0.001	
Others	0	
Total	4.59	