

# METAL CUTTING CIRCULAR SAW

## DW934K2(H)

### Congratulations!

You have chosen a DeWALT tool. Years of experience, thorough product development and innovation make DeWALT one of the most reliable partners for professional power tool users.

### Technical data

	DW934K2(H)	
Voltage	V	18
Power output	W	315
No-load speed	min <sup>-1</sup>	3,100
Blade diameter	mm	173
Depth of cut	mm	61
Blade body thickness	mm	1.4
Blade bore	mm	20
Weight (without battery pack)	kg	3.85

Battery pack	DE9095	DE9039
Voltage	V	18
Capacity	Ah	2.0
Weight	kg	1.0

Charger	DE9108	DE9116
Mains voltage	V <sub>AC</sub>	230
Charging time	min	60
Weight	kg	0.4

### Fuses:

Europe	230 V tools	10 Amperes, mains
U.K. & Ireland	230 V tools	13 Amperes, in plugs

The following symbols are used throughout this manual:



Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions in this manual.



Denotes risk of electric shock.

### EC-Declaration of conformity



#### DW934K2(H)

DeWALT declares that these Power Tools have been designed in compliance with: 98/37/EEC, 89/336/EEC, 73/23/EEC, EN 50144, EN 50260, EN 60335, EN 55014-2, EN 55014-1, EN 61000-3-2 & EN 61000-3-3.

For more information, please contact DeWALT at the address below, or refer to the back of the manual.

Level of sound pressure according to 86/188/EEC & 98/37/EEC, measured according to EN 50144:

		DW934K2(H)
L <sub>PA</sub>	(sound pressure)	dB(A)* 86
L <sub>WA</sub>	(acoustic power)	dB(A) 99

\* at the operator's ear



Take appropriate measures for the protection of hearing if the sound pressure of 85 dB(A) is exceeded.

Weighted root mean square acceleration value according to EN 50144:

		DW934K2(H)
		25 m/s <sup>2</sup>

Director Engineering and Product Development  
Horst Großmann

DeWALT, Richard-Klinger-Straße 40,  
D-65510, Idstein, Germany

## Safety instructions

When using Power Tools, always observe the safety regulations applicable in your country to reduce the risk of fire, electric shock and personal injury. Read the following safety instructions before attempting to operate this product. Keep these instructions in a safe place!

### General

#### 1 Keep work area clean

Cluttered areas and benches can cause accidents.

#### 2 Consider work area environment

Do not expose Power Tools to humidity.

Keep work area well lit. Do not use Power Tools in the presence of flammable liquids or gases.

#### 3 Guard against electric shock

Prevent body contact with earthed surfaces (e.g. pipes, radiators, cookers and refrigerators). For use under extreme conditions (e.g. high humidity, when metal swarf is being produced, etc.) electric safety can be improved by inserting an isolating transformer or a (FI) earth-leakage circuit-breaker.

#### 4 Keep children away

Do not let children come into contact with the tool or extension cord. Supervision is required for those under 16 years of age.

#### 5 Store idle tools

When not in use, Power Tools must be stored in a dry place and locked up securely, out of reach of children.

#### 6 Dress properly

Do not wear loose clothing or jewellery. They can be caught in moving parts. Preferably wear rubber gloves and non-slip footwear when working outdoors. Wear protective hair covering to keep long hair out of the way.

#### 7 Wear safety goggles

Also use a face or dust mask in case the operations produce dust or flying particles.

#### 8 Beware of maximum sound pressure

Take appropriate measures for the protection of hearing if the sound pressure of 85 dB(A) is exceeded.

#### 9 Secure workpiece

Use clamps or a vice to hold the workpiece. It is safer and it frees both hands to operate the tool.

#### 10 Do not overreach

Keep proper footing and balance at all times.

#### 11 Stay alert

**Watch what you are doing. Use common sense.**

**Do not operate the tool when you are tired.**

#### 12 Remove adjusting keys and wrenches

Always check that adjusting keys and wrenches are removed from the tool before operating the tool.

#### 13 Use appropriate tool

The intended use is described in this instruction manual. Do not force small tools or attachments to do the job of a heavy-duty tool. The tool will do the job better and safer at the rate for which it was intended.

**Warning!** The use of any accessory or attachment or performance of any operation with this tool, other than those recommended in this instruction manual may present a risk of personal injury.

#### 14 Maintain tools with care

Keep the tools in good condition and clean for better and safer performance. Follow the instructions for maintenance and changing accessories. Inspect the tool cords at regular intervals and, if damaged, have them repaired by an authorized DeWALT repair agent. Keep all controls dry, clean and free from oil and grease.

#### 15 Check for damaged parts

Before using the tool, carefully check it for damage to ensure that it will operate properly and perform its intended function. Check for misalignment and seizure of moving parts, breakage of parts and any other conditions that may affect its operation. Have damaged guards or other defective parts repaired or replaced as instructed.

Do not use the tool if the switch is defective.

Have the switch replaced by an authorized DeWALT repair agent.

#### 16 Remove the battery pack

Remove the battery pack when not in use, before servicing and when changing accessories.

#### 17 Have your tool repaired by an authorized DeWALT repair agent

This Power Tool is in accordance with the relevant safety regulations. To avoid danger, electric appliances must only be repaired by qualified technicians.

**Additional safety instructions for battery packs**



Fire hazard! Avoid metal short circuiting the contacts of a detached battery pack. Do not store or carry the battery pack without the battery cap placed over the contacts.



Charge only between 4 °C and 40 °C



Discard the battery pack with due care for the environment



Do not incinerate the battery pack



1 h charger

- The battery fluid, a 25-30% solution of potassium hydroxide, can be harmful. In case of skin contact, flush immediately with water. Neutralize with a mild acid such as lemon juice or vinegar. In case of eye contact, rinse abundantly with clean water for at least 10 minutes. Consult a physician.
- Never attempt to open a battery pack for any reason.

**Labels on tool**



To be used in metal only

**Labels on charger and battery pack**

In addition to the pictographs used in this manual, the labels on the charger and the battery pack show the following pictographs:



Battery charging



Battery charged



Battery defective



Do not probe with conductive objects



Do not charge damaged battery packs



Read instruction manual before use



Use only with DeWALT battery packs, others may burst, causing personal injury and damage



Do not expose to water



Have defective cords replaced immediately

**Additional safety rules for circular saws**

**When sawing**

- Always wear regular working gloves while operating this tool.
- Do not operate the tool while standing in line with the saw blade. Keep other persons away from the work area.
- Make sure the saw blade is not contacting the workpiece before the tool is switched on.
- Be aware of cutting chips and the material being cut. They may be sharp and hot. Allow cut off parts to cool before handling.
- Switch off the tool and wait for the saw blade to stop before moving the workpiece or changing the settings.
- After switching off, never attempt to stop the saw blade by pressing against the side of the blade.
- Never put the saw down on a table or workbench unless switched off.
- Do not attempt to saw extremely small workpieces.
- Do not cut electrically live material.
- Do not use cutting fluids. These fluids could ignite, cause electrical shock, or chemically attack the plastic sight window.
- Use this tool in a well-ventilated area. Do not operate the tool near flammable liquids, gases or dust. Sparks or hot chips from cutting or arcing motor brushes may ignite combustible materials.

## Operational protection devices

- Ensure that all devices screening the saw blade are in perfect working order.
- Never jam the saw blade guards.
- Free a jammed saw blade guard immediately and do not use the saw if the guard is jammed.

## Guard against kickback

- Kickback occurs when the saw begins to stall rapidly and is driven back towards the operator. Release the switch immediately if the blade sticks or the saw stalls.
- Keep the saw blades sharp.
- Do not remove the saw from the work during a cut while the saw blade is rotating.

## Checking and changing the saw blade

- Use only the saw blades specified in this manual. Never use abrasive cut-off wheels or other types of cutting blade.
- Only sharp saw blades in perfect working condition should be used; cracked or bent saw blades should be discarded and replaced at once.
- Ensure that the saw blade is securely fixed and rotates in the correct direction.

## Applications

- The circular saw must only be used for ferrous metal.
- Do not cut non-ferrous metals, stainless steel and synthetic materials when using the saw blade supplied with this tool.
- Do not cut concrete, brick, tile or ceramic materials.
- Do not cut cast-iron materials.
- Never cut magnesium materials.
- Do not cut solid materials (e.g. rods) with a body thickness exceeding 20 mm.
- Do not cut profiles and other shaped materials (e.g. pipes, boxes) with a wall thickness exceeding 3 mm.
- When sawing with the workpiece clamped tight, devices should be used to prevent the workpiece kicking back.
- When sawing circular sections of metal use a device to hold the workpiece steady on both sides of the saw blade to prevent slipping.
- Take care that pieces of metal sawn off the workpiece cannot be caught up by the teeth of the saw blade and thrown in the air.

## Personal health

- **Warning!** Use of this tool can generate dust containing chemicals known to cause cancer, birth defects or other reproductive harm. Use appropriate respiratory protection.

## Residual risks

The following risks are inherent to the use of these machines:

- injuries caused by touching the rotating parts
- injuries caused by disruption of the cutting blade

These risks are most evident:

- within the range of operation
- within the range of the rotating machine parts

In spite of the application of the relevant safety regulations and the implementation of safety devices, certain residual risks cannot be avoided.

These are:

- Impairment of hearing.
- Risk of accidents caused by the uncovered parts of the rotating cutting blade.
- Risk of injury when changing the blade.
- Risk of squeezing fingers when opening the guards.

## Package contents

The package contains:

- 1 Metal cutting circular saw
- 1 Saw blade
- 1 Allen key
- 2 Battery packs
- 1 Battery charger
- 1 Kitbox
- 1 Instruction manual
- 1 Exploded drawing

- Check for damage to the tool, parts or accessories which may have occurred during transport.
- Take the time to thoroughly read and understand this manual prior to operation.

## Description (fig. A)

Your DeWALT metal cutting circular saw has been designed for the cutting of variously shaped metal materials: water and gas pipes, angular iron, U-profiles, T-bars, rods, bolts, etc.

Using the appropriate cutting blade, it can cut hot and cold rolled carbon steel, construction steels according to DIN 1700 (ST33, ST37-2). This tool is not intended to be used in non-ferrous metals, stainless steel, synthetic materials, or cast-iron, brick, tile or ceramic materials. The tool is never to be used for cutting magnesium workpieces.

- 1 On/off switch
- 2 Lock-off button
- 3 Front handle
- 4 Sight window
- 5 Kerf indicator
- 6 Lower guard
- 7 Lower guard retracting lever
- 8 Saw shoe
- 9 Depth adjustment knob
- 10 Battery pack

### Charger

- Your DeWALT 1 hour charger DE 9108 accepts DeWALT NiCd battery packs ranging from 7.2 to 18 V. Your DeWALT 1 hour charger DE 9116 accepts DeWALT NiMh battery packs ranging from 7.2 to 18 V.
- 10 Battery pack
  - 11 Release buttons
  - 12 Charger
  - 13 Charging indicator (red)

### Electrical safety

The electric motor has been designed for one voltage only. Always check that the battery pack voltage corresponds to the voltage on the rating plate. Also make sure that the voltage of your charger corresponds to that of your mains.

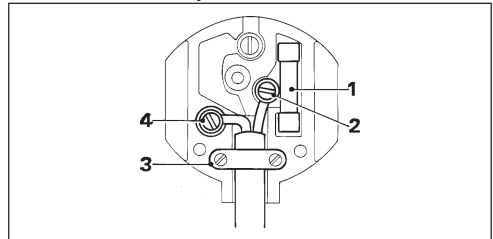


Your DeWALT charger is double insulated in accordance with EN 60335.

### Mains plug replacement (U.K. & Ireland only)

- Should your mains plug need replacing and you are competent to do this, proceed as instructed below. If you are in doubt, contact an authorized DeWALT repair agent or a qualified electrician.
- Disconnect the plug from the supply.
- Cut off the plug and dispose of it safely; a plug with bared copper conductors is dangerous if engaged in a live socket outlet.

- Only fit 13 Amperes BS1363A approved plugs fitted with the correctly rated fuse (1).
- The cable wire colours, or a letter, will be marked at the connection points of most good quality plugs. Attach the wires to their respective points in the plug (see below). Brown is for Live (L) (2) and Blue is for Neutral (N) (4).
- Before replacing the top cover of the mains plug ensure that the cable restraint (3) is holding the outer sheath of the cable firmly and that the two leads are correctly fixed at the terminal screws.



Never use a light socket. Never connect the live (L) or neutral (N) wires to the earth pin marked E or  $\perp$ .

### Using an extension cable

An extension cord should not be used unless absolutely necessary. Use an approved extension cable suitable for the power input of your charger (see technical data). The minimum conductor size is 1 mm<sup>2</sup>; the maximum length is 30 m.

### Assembly and adjustment



- Prior to assembly and adjustment, always remove the battery pack.
- Always switch off the tool before inserting or removing the battery pack.
- Use only DeWALT battery packs and chargers.

### Battery pack (fig. A & B)

#### Charging the battery pack

When charging the battery pack for the first time, or after prolonged storage, it will only accept an 80% charge. After several charge and discharge cycles, the battery pack will attain full capacity. Always check the mains prior to charging the battery pack.

If the mains is functioning but the battery pack does not charge, take your charger to an authorised DEWALT repair agent. Whilst charging, the charger and the battery pack may become warm to touch. This is a normal condition and does not indicate a problem.



Do not charge the battery pack at ambient temperatures  $< 4\text{ }^{\circ}\text{C}$  or  $> 40\text{ }^{\circ}\text{C}$ . Recommended charging temperature: approx.  $24\text{ }^{\circ}\text{C}$ .

- To charge the battery pack (10), insert it into the charger (12) as shown and plug in the charger. Be sure that the battery pack is fully seated in the charger. The red charging indicator (13) will blink. After approx. 1 hour, it will stop blinking and remain on. The battery pack is now fully charged. The battery pack can be removed at any time or left in the connected charger indefinitely.

### Inserting and removing the battery pack

- Insert the battery pack into the grip until it clicks in place.
- To remove the battery pack, press the two release buttons (11) simultaneously and pull the pack out of the grip.

### Battery cap (fig. B)

A protective cap is supplied to cover the contacts of a detached battery pack. Without the protective cap in place, loose metal objects could short circuit the contacts, causing a fire hazard and damaging the battery pack.

- Take off the protective cap (14) before placing the battery pack (10) in the charger or tool.
- Place the protective cap over the contacts immediately after removing the battery pack from the charger or tool.



Make sure the protective cap is in place before storing or carrying a detached battery pack.

### Depth of cut adjustment (fig. A & C)

- Loosen the depth adjustment knob (9).
- Move the shoe (8) to obtain the correct depth of cut.
- Tighten the depth adjustment knob (9).



For optimal results, allow the saw blade to protrude from the workpiece by about 3 mm (see inset in figure C).

### Replacing the saw blade (fig. D & E)

- Engage the blade lock button (15) and unscrew the blade clamping screw (16) by turning clockwise using the Allen key supplied with the tool.
- Retract the lower blade guard (6) using the lever (7) and replace the blade. Reinstall the washers (17) in the correct position.
- Check the direction of rotation of the blade.
- Thread on the blade clamping screw (16) by hand to hold the washer in position. Turn counterclockwise.
- Press the blade lock button (15) while turning the spindle until the blade stops rotating.
- Tighten the blade clamping screw firmly using the Allen key.

### Instructions for use



- Always observe the safety instructions and applicable regulations.
- Apply only a gentle pressure to the tool and do not exert side pressure on the saw blade.
- Avoid overloading. Should the tool become hot, let it run a few minutes under no load condition.

### Prior to operation:

- Make sure your battery pack is (fully) charged.
- Make sure the guards have been mounted correctly. The saw blade guard must be in closed position.
- Make sure the saw blade rotates in the direction of the arrow on the blade.
- Do not use excessively worn saw blades.

### Switching on and off (fig. A)

For safety reasons the on/off switch (1) is equipped with a lock-off button (2).

- Press the lock-off button to unlock the tool.
- To run the tool, press the on/off switch (1). As soon as the on/off switch is released the lock-off switch is automatically activated to prevent unintended starting of the machine.