

DEWALT®

English (*original instructions*)

7



www.DEWALT.com

DWE550
DWE560

Fig. A

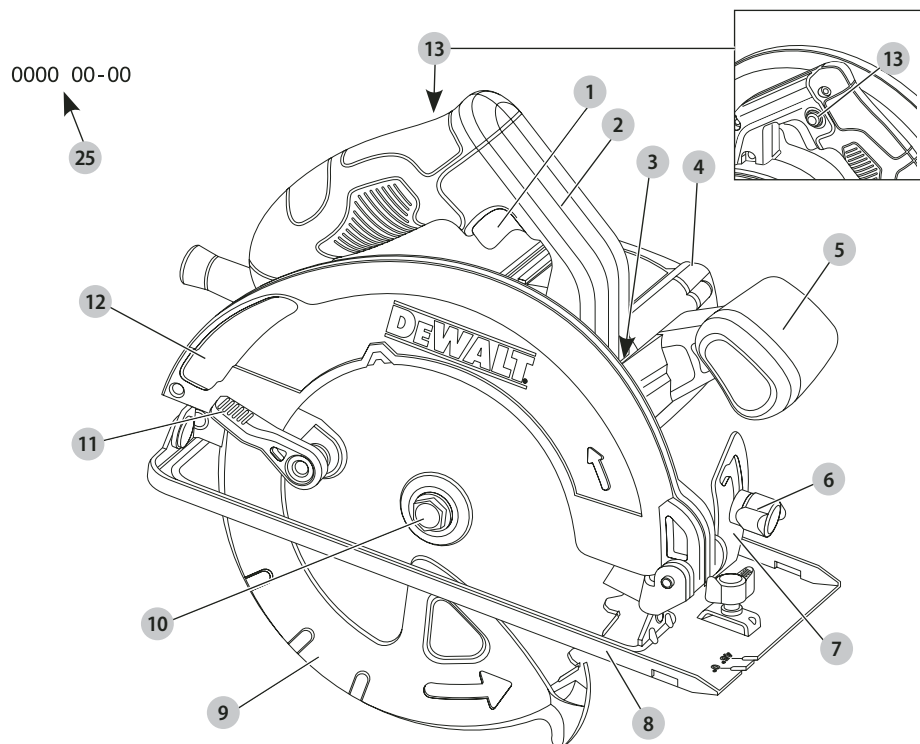


Fig. B

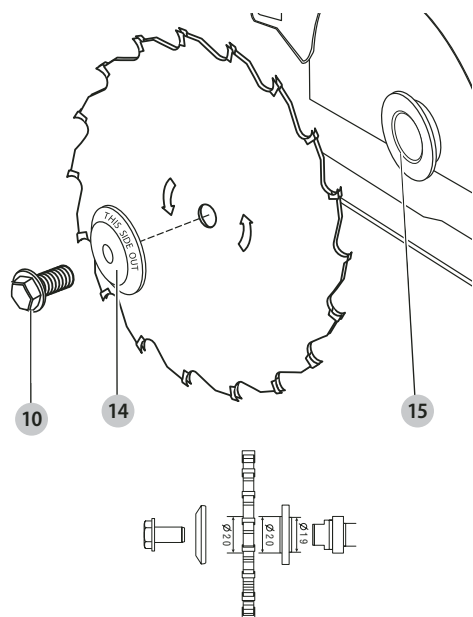


Fig. C

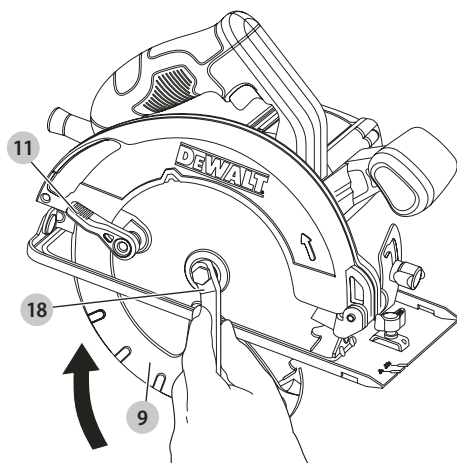


Fig. D

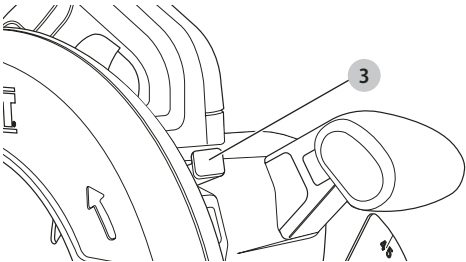


Fig. E

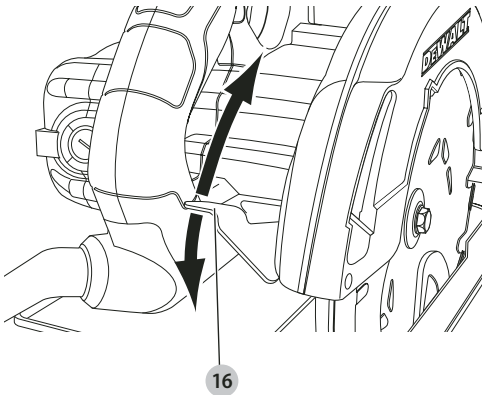


Fig. F

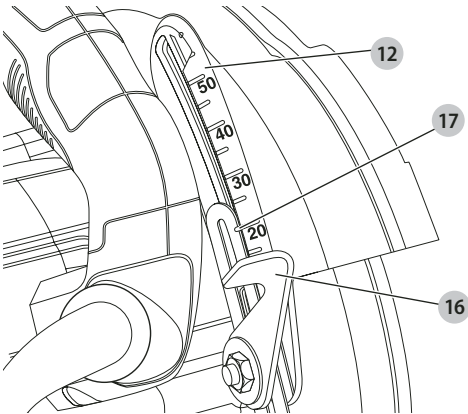


Fig. G

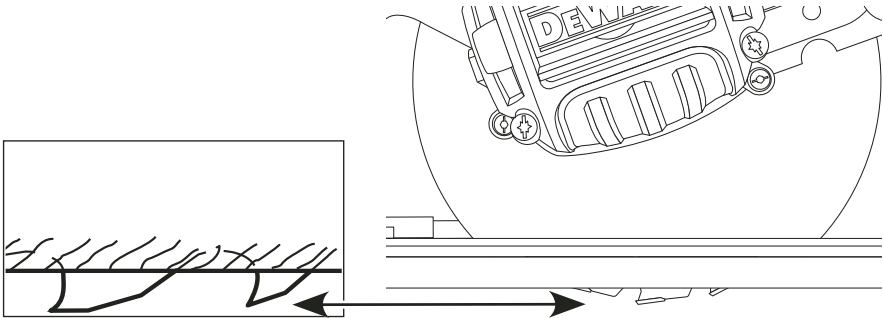


Fig. H

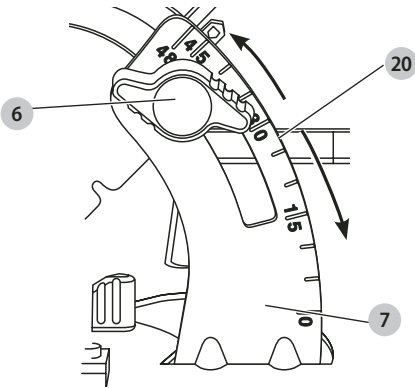


Fig. I

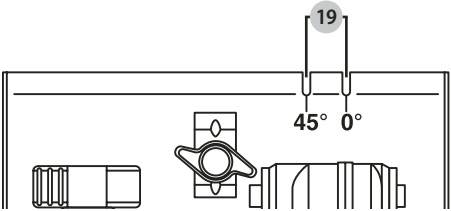


Fig. J

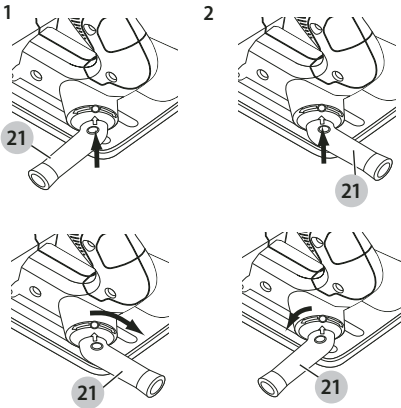
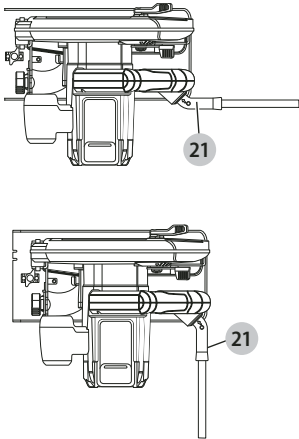


Fig. K

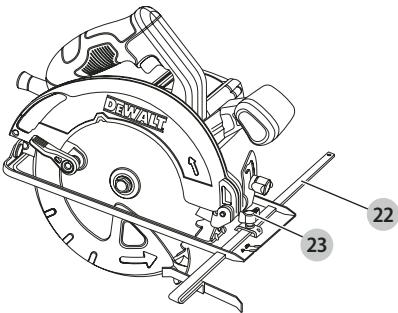
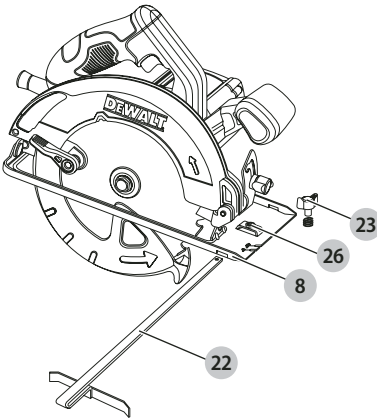


Fig. L

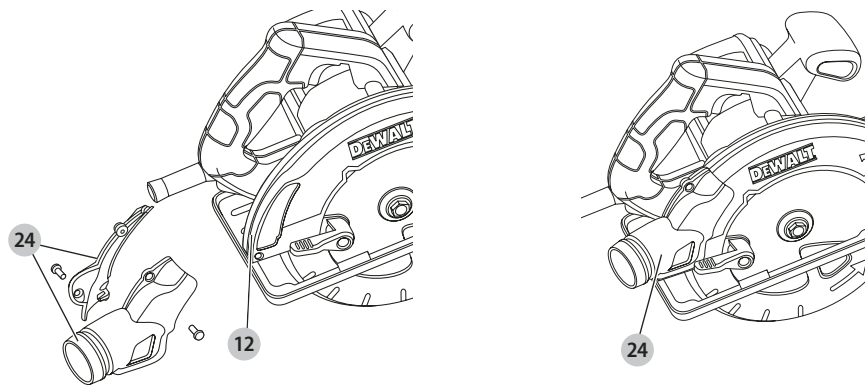


Fig. M

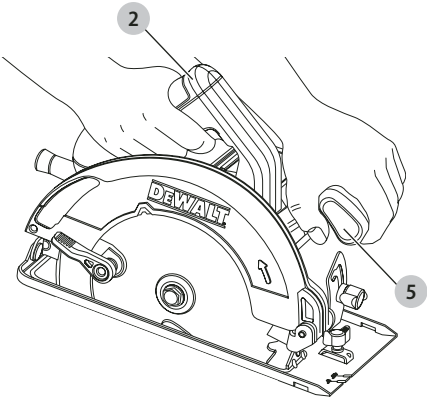


Fig. N

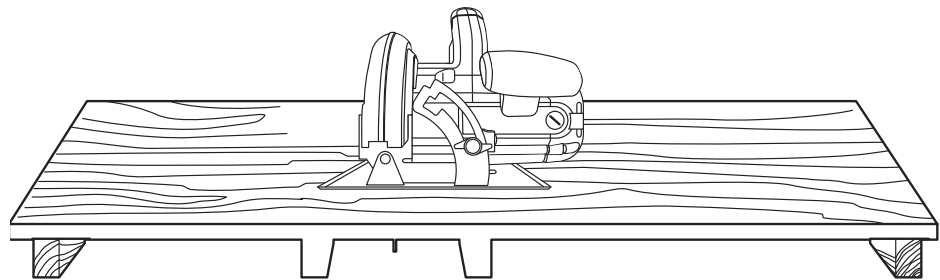


Fig. O

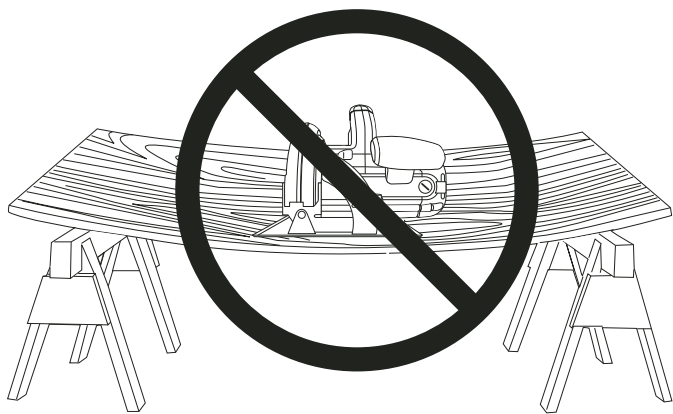


Fig. P

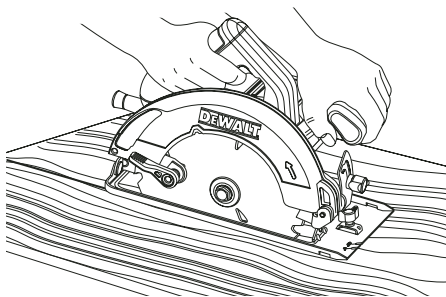


Fig. Q

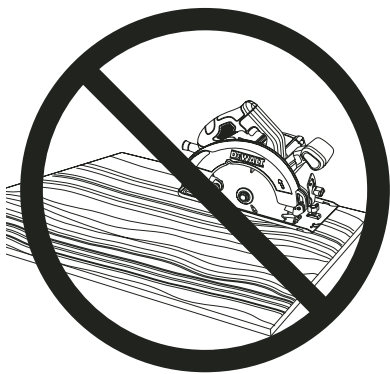


Fig. R

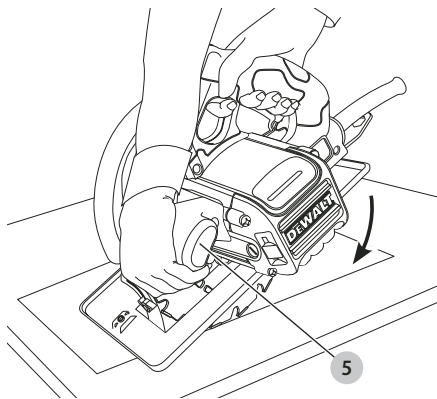
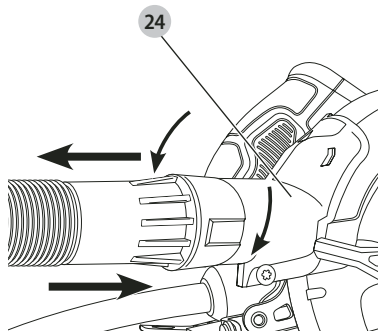


Fig. S



165 mm CIRCULAR SAW, DWE550

184 mm CIRCULAR SAW, DWE560

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

		DWE550	DWE560
Voltage	V_{AC}	230	230
UK & Ireland	V_{AC}	230/115	230/115
Type		1	1
Power input	W	1200	1350
No-load speed	min^{-1}	5500	5500
Blade diameter	mm	165	184
Maximum depth of cut at			
90°	mm	55	65
45°	mm	35	42
Blade bore	mm	20	16
Bevel angle adjustment		48°	48°
Weight	kg	3.60	3.66
Noise values and/or vibration values (tri-ax vector sum) according to EN62841:			
L_{PA} (emission sound pressure level)	dB(A)	85	85
L_{WA} (sound power level)	dB(A)	96	96
K (uncertainty for the given sound level)	dB(A)	3	3
Cutting wood			
Vibration emission value $a_{h,W}$ =	m/s^2	<2.5	<2.5
Uncertainty K =	m/s^2	1.5	1.5

The vibration and/or noise emission level given in this information sheet has been measured in accordance with a standardised test given in EN62841 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure.

▲ WARNING: The declared vibration and/or noise emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration and/or noise emission may differ. This may significantly increase the exposure level over the total working period.

An estimation of the level of exposure to vibration and/or noise should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Identify additional safety measures to protect the operator from the effects of vibration and/or noise such as: maintain the tool and the accessories, keep the hands warm (relevant for vibration), organisation of work patterns.

EC-Declaration of Conformity

Machinery Directive



Circular Saw DWE550, DWE560

DeWALT declares that these products described under **Technical Data** are in compliance with:

2006/42/EC, EN62841-1:2015+A11:2022, EN62841-2-5:2014.

These products also comply with Directive 2014/30/EU and 2011/65/EU. For more information, please contact DeWALT at the following address or refer to the back of the manual.

The undersigned is responsible for compilation of the technical file and makes this declaration on behalf of DeWALT.

Markus Rompel
Vice President of Engineering, PTE-Europe
DeWALT, Richard-Klinger-Straße 11,
D-65510, Idstein, Germany
21.11.2024



WARNING: To reduce the risk of injury, read the instruction manual.

Definitions: Safety Guidelines

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.

▲ DANGER: Indicates an imminently hazardous situation which, if not avoided, **will** result in **death or serious injury**.

▲ WARNING: Indicates a potentially hazardous situation which, if not avoided, **could** result in **death or serious injury**.

▲ CAUTION: Indicates a potentially hazardous situation which, if not avoided, **may** result in **minor or moderate injury**.

NOTICE: Indicates a practice **not related to personal injury** which, if not avoided, **may** result in **property damage**.

▲ Denotes risk of electric shock.

▲ Denotes risk of fire.

General Power Tool Safety Warnings

▲ WARNING: Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) 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.

2) 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) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

3) 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 energising 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 jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery 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.

h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

4) 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) **Disconnect the plug from the power source and/or the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

d) **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 tool.** Power tools are dangerous in the hands of untrained users.

e) **Maintain power tools and accessories. 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.

f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

g) **Use the power tool, accessories and tool bits etc., in accordance with these instructions taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

h) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

5) Service

a) **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.

ADDITIONAL SPECIFIC SAFETY RULES FOR CIRCULAR SAW

Safety Instructions for All Saws

▲ DANGER:

a) **Keep hands away from cutting area and the blade. Keep your second hand on auxiliary handle, or motor housing.** If both hands are holding the saw, they cannot be cut by the blade.

b) **Do not reach underneath the workpiece.** The guard cannot protect you from the blade below the workpiece.

c) **Adjust the cutting depth to the thickness of the workpiece.** Less than a full tooth of the blade teeth should be visible below the workpiece.

d) **Never hold the workpiece in your hands or across your leg while cutting. Secure the workpiece to a stable platform. It is important to support the work properly to minimize body exposure, blade binding, or loss of control.**

e) **Hold the power tool by insulated gripping surfaces, when performing an operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a "live" wire will also make exposed metal parts of the power tool "live" and could give the operator an electric shock.

- f) **When ripping always use a rip fence or straight edge guide.** This improves the accuracy of cut and reduces the chance of blade binding.
- g) **Always use blades with correct size and shape (diamond versus round) of arbour holes.** Blades that do not match the mounting hardware of the saw will run eccentrically, causing loss of control.
- h) **Never use damaged or incorrect blade washers or bolt.** The blade washers and bolt were specially designed for your saw, for optimum performance and safety of operation.

Further Safety Instructions for All Saws

Causes and operator prevention of kickback:

- kickback is a sudden reaction to a pinched, bound or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator;
- when the blade is pinched or bound tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator;
- if the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump back toward the operator.

Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

- a) **Maintain a firm grip with both hands on the saw and position your arms to resist kickback forces. Position your body to either side of the blade, but not in line with the blade.** Kickback could cause the saw to jump backwards, but kickback forces can be controlled by the operator, if proper precautions are taken.
- b) **When blade is binding, or when interrupting a cut for any reason, release the trigger and hold the saw motionless in the material until the blade comes to a complete stop. Never attempt to remove the saw from the work or pull the saw backward while the blade is in motion or kickback may occur.** Investigate and take corrective actions to eliminate the cause of blade binding.
- c) **When restarting a saw in the workpiece, centre the saw blade in the kerf and check that saw teeth are not engaged into the material.** If saw blade is binding, it may walk up or kickback from the workpiece as the saw is restarted.
- d) **Support large panels to minimise the risk of blade pinching and kickback. Large panels tend to sag under their own weight.** Supports must be placed under the panel on both sides, near the line of cut and near the edge of the panel.
- e) **Do not use dull or damaged blades.** Unsharpened or improperly set blades produce narrow kerf causing excessive friction, blade binding and kickback.
- f) **Blade depth and bevel adjusting locking levers must be tight and secure before making cut.** If blade adjustment shifts while cutting, it may cause binding and kickback.
- g) **Use extra caution when making a "plunge cut" into existing walls or other blind areas.** The protruding blade may cut objects that can cause kickback.

Safety Instructions for Saws with a Pendulum Blade Guard

- a) **Check the lower guard for proper closing before each use. Do not operate the saw if the lower guard does not move freely and close instantly.** Never clamp or tie the lower

guard into the open position. If the saw is accidentally dropped, the lower guard may be bent. Raise the lower guard with the retracting handle and make sure it moves freely and does not touch the blade or any other part, in all angles and depths of cut.

- b) **Check the operation of the lower guard spring. If the guard and the spring are not operating properly, they must be serviced before use.** Lower guard may operate sluggishly due to damaged parts, gummy deposits, or a build-up of debris.

- c) **The lower guard should be retracted manually only for special cuts such as "plunge cuts" and "compound cuts." Raise the lower guard by retracting handle and as soon as the blade enters the material, the lower guard must be released.** For all other sawing, the lower guard should operate automatically.

- d) **Always observe that the lower guard is covering the blade before placing saw down on bench or floor.** An unprotected, coasting blade will cause the saw to walk backwards, cutting whatever is in its path. Be aware of the time it takes for the blade to stop after switch is released.

Additional Safety Instructions for Circular Saws

- Do not operate the machine without guards in position, or if guards do not function or are not maintained properly.
- Select the correct blade for the material to be cut.
- **Wear a dust mask.**
- **Do not use blades of larger or smaller diameter than recommended.** For the proper blade rating refer to the **technical data**. Use only the blades specified in this manual, complying with EN 847-1.
- **Never use abrasive cut-off wheels.**
- When sawing plastic, melting of the material is to be avoided.
- Please use only saw blades that are marked with a speed equal or higher than the speed marked on the tool.

▲ WARNING: Cutting plastics, sap coated wood, and other materials may cause melted material to accumulate on the blade tips and the body of the saw blade, increasing the risk of blade overheating and binding while cutting.

▲ WARNING: We recommend the use of a residual current device with a residual current rating of 30mA or less.

Residual Risks

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 personal injury due to flying particles.
- Risk of burns due to accessories becoming hot during operation.
- Risk of personal injury due to prolonged use.

Electrical Safety

The electric motor has been designed for one voltage only. Always check that the power supply corresponds to the voltage on the rating plate.



Your DeWALT tool is double insulated in accordance with EN62841; therefore no earth wire is required.

▲ WARNING: 115 V units have to be operated via a fail-safe isolating transformer with an earth screen between the primary and secondary winding.

If the supply cord is damaged, it must be replaced only by DeWALT or an authorised service organisation.

Mains Plug Replacement (U.K. & Ireland Only)

If a new mains plug needs to be fitted:

- *Safely dispose of the old plug.*
- *Connect the brown lead to the live terminal in the plug.*
- *Connect the blue lead to the neutral terminal.*

▲ WARNING: No connection is to be made to the earth terminal.

Follow the fitting instructions supplied with good quality plugs. Recommended fuse: 13 A.

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 1.5 mm²; the maximum length is 30 m.

When using a cable reel, always unwind the cable completely.

Package Contents

The package contains:

- 1 165 mm circular saw (DWE550) or
- 1 184 mm circular saw (DWE560)
- 1 Circular saw blade
- 1 Blade wrench
- 1 Parallel fence
- 1 Dust extraction spout
- 1 Instruction manual

- *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.*

Markings on Tool

The following pictograms are shown on the tool:



Read instruction manual before use.



Wear ear protection.



Wear eye protection.

Date Code Position (Fig. A)

The date code **25**, which also includes the year of manufacture, is printed into the housing.

Example:

2023 XX XX

Year of Manufacture

Description (Fig. A)

▲ WARNING: Never modify the power tool or any part of it. Damage or personal injury could result.

- 1 Trigger switch
- 2 Main handle
- 3 Blade lock
- 4 End cap
- 5 Auxiliary handle
- 6 Bevel adjustment knob

- 7 Bevel angle adjustment mechanism
- 8 Base plate
- 9 Lower blade guard
- 10 Blade clamping screw
- 11 Lower guard lever
- 12 Upper blade guard
- 13 Lock-off button

Intended Use

These heavy-duty circular saws are designed for professional wood cutting applications. **DO NOT** use water feed attachments with this saw. **DO NOT** use abrasive wheels or blades.

DO NOT use under wet conditions or in the presence of flammable liquids or gases.

These heavy-duty saws are professional power tools.

DO NOT let children come into contact with the tool.

Supervision is required when inexperienced operators use this tool.

- **Young children and the infirm.** This appliance is not intended for use by young children or infirm persons without supervision.

- This product is not intended for use by persons (including children) suffering from diminished physical, sensory or mental abilities; lack of experience, knowledge or skills unless they are supervised by a person responsible for their safety. Children should never be left alone with this product.

ASSEMBLY AND ADJUSTMENTS

▲ WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect tool from power source before making any adjustments or removing/installing attachments or accessories. Be sure the trigger switch is in the OFF position. An accidental start-up can cause injury.

Changing Blades

To Install the Blade (Fig. A–D)

▲ CAUTION (DWE550 ONLY): The inner flange has a 20 mm diameter on one side and a 19 mm diameter on the other. The 19 mm diameter side is marked 19, and the 20 mm diameter side is marked 20. Use the correct side for the hole diameter of the blade you intend to use. Mounting the blade on the wrong side may result in dangerous vibration.

1. Using the lower guard lever **11**, retract the lower blade guard **9** and place blade on saw spindle against the inner clamp washer **15**, making sure that the blade will rotate in the proper direction (the direction of the rotation arrow on the saw blade and the teeth must point in the same direction as the direction of rotation arrow on the saw). Do not assume that the printing on the blade will always be facing you when properly installed. When retracting the lower blade guard to install the blade, check the condition and operation of the lower blade guard to assure that it is working properly. Make sure it moves freely and does not touch the blade or any other part, in all angles and depths of cut.

2. Place outer clamp washer **14** on saw spindle with the large flat surface against the blade and the wording on the outer clamp washer facing you.

3. Thread blade clamping screw **10** into saw spindle by hand (screw has right-hand threads and must be turned clockwise to tighten).

4. Depress the blade lock **3** while turning the saw spindle with the blade wrench until the blade lock engages and the blade stops rotating.

5. Tighten the blade clamping screw firmly with the blade wrench.

NOTE: Never engage the blade lock while saw is running, or engage in an effort to stop the tool. Never turn the saw on while the blade lock is engaged. Serious damage to your saw will result.

To Replace the Blade (Fig. B–D)

1. To loosen the blade clamping screw **10**, depress the blade lock **3** and turn the saw spindle with the blade wrench **18** until the blade lock engages and the blade stops rotating. With the blade lock engaged, turn the blade clamping screw counterclockwise with the blade wrench (screw has right-hand threads and must be turned counterclockwise to loosen).

2. Remove the blade clamping screw **10** and outer clamp washer **14**. Remove old blade.

3. Clean any sawdust that may have accumulated in the guard or clamp washer area and check the condition and operation of the lower blade guard as previously outlined. Do not lubricate this area.

4. Always use blades that are the correct size (diameter) with the proper size and shape center hole for mounting on the saw spindle. Always assure that the maximum recommended speed (rpm) on the saw blade meets or exceeds the speed (rpm) of the saw.

5. Follow steps 1 through 5 under **To Install the Blade**, making sure that the blade will rotate in the proper direction.

Lower Blade Guard

▲ WARNING: The lower blade guard is a safety feature which reduces the risk of serious personal injury. Never use the saw if the lower guard is missing, damaged, misassembled or not working properly. Do not rely on the lower blade guard to protect you under all circumstances. Your safety depends on following all warnings and precautions as well as proper operation of the saw. Check lower guard for proper closing before each use. If the lower blade guard is missing or not working properly, have the saw serviced before using. To assure product safety and reliability, repair, maintenance and adjustment should be performed by an authorized service center or other qualified service organization, always using identical replacement parts.

Checking the Lower Guard (Fig. A)

1. Turn tool off and disconnect from power supply.
2. Rotate the lower guard lever (Fig. A, **11**) from the fully closed position to the fully open position.
3. Release the lever **11** and observe the guard **9** return to the fully closed position.

The tool should be serviced by a qualified service center if it:

- fails to return to the fully closed position,
- moves intermittently or slowly, or
- contacts the blade or any part of the tool in all angles and depth of cut.

Depth of Cut Adjustment (Fig. E–G)

1. Raise the depth adjustment lever **16** to loosen.
2. To obtain the correct depth of cut, align the notch **17** on the depth adjustment strap with the appropriate mark on the upper blade guard **12**.
3. Tighten the depth adjustment lever.

4. For the most efficient cutting action using a carbide tipped saw blade, set the depth adjustment so that about one half of a tooth projects below the surface of the wood to be cut.

5. A method of checking for the correct cutting depth is shown in Figure G. Lay a piece of the material you plan to cut along the side of the blade, as shown in the figure, and observe how much tooth projects beyond the material.

Bevel Angle Adjustment (Fig. H)

The bevel angle adjustment mechanism **7** can be adjusted between 0° and 48°.

1. Turn the bevel adjustment knob **6** to loosen.
2. Tilt the foot plate to the desired angle mark on the pivot bracket **20**.
3. Turn the bevel adjustment knob to retighten.

Kerf Indicator (Fig. I)

The front of the saw shoe has a kerf indicator **19** for vertical and bevel cutting. This indicator enables you to guide the saw along cutting lines penciled on the material being cut. The indicator lines up with the left (inner) side of the saw blade, which makes the slot or "kerf" cut by the moving blade fall to the right of the indicator. The notches on the base plate indicate 0° and 45°.

Adjustable Cord Protector (Fig. J)

The adjustable cord protector **21** allows the cord to be positioned vertical or parallel to the blade. It is shipped in the vertical position.

To Obtain the Parallel Position (Fig. J1)

1. Press the cord protector **21** in as indicated by the arrow.
2. Rotate the cord protector clockwise to the parallel position.

To Obtain the Vertical Position (Fig. J2)

1. Press the cord protector **21** in as indicated by the arrow.
2. Rotate the cord protector counterclockwise to the vertical position.

Mounting and Adjusting the Parallel Fence (Fig. K)

The parallel fence **22** is used for cutting parallel to the edge of the workpiece.

Mounting

1. Insert parallel fence adjustment knob **23** into the hole **26** as shown in Figure K, keeping the knob loose to allow the parallel fence to pass.
2. Insert the parallel fence **22** into the base plate **8** as shown in Figure K.
3. Tighten the parallel fence adjustment knob **23**.

Adjusting

1. Slacken the fence adjustment knob **23** and set the parallel fence **22** to the desired width. The adjustment can be read on the parallel fence scale.
2. Tighten the fence adjustment knob **23**.

Mounting the Dust Extraction Spout (Fig. A, E, L)

Your DWES50/DWE560 circular saw is supplied with a dust extraction spout.

To Install Dust Extraction Spout

1. Fully loosen depth adjustment lever (Fig. E, **16**).
2. Place base plate (Fig. A, **8**) in the lowest position.
3. Align the two halves of the dust extraction spout **24** over upper blade guard **12** as shown.
4. Insert screws and tighten securely.

Prior to Operation

- 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.

OPERATION

Instructions for Use

▲ WARNING: Always observe the safety instructions and applicable regulations.

▲ WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect tool from power source before making any adjustments or removing/installing attachments or accessories. Be sure the trigger switch is in the OFF position. An accidental start-up can cause injury.

Proper Hand Position (Fig. M)

▲ WARNING: To reduce the risk of serious personal injury, ALWAYS use proper hand position as shown.

▲ WARNING: To reduce the risk of serious personal injury, ALWAYS hold securely in anticipation of a sudden reaction. Proper hand position requires one hand on the main handle **2**, with the other hand on the auxiliary handle **5**.

Switching On and Off (Fig. A)

For safety reasons the trigger switch **1** of your tool is equipped with a lock-off button **13**.

Press the lock-off button to unlock the tool.

To run the tool, press the trigger switch **1**. As soon as the trigger switch is released, the lock-off switch is automatically activated to prevent unintended starting of the machine.

NOTICE: Do not switch the tool ON or OFF when the saw blade touches the workpiece or other materials.

Workpiece Support (Fig. N–Q)

▲ WARNING: To reduce the risk of serious personal injury, support the work properly and hold the saw firmly to prevent loss of control.

Figures N and P show proper sawing position. Figures O and Q show an unsafe condition. Hands should be kept away from cutting area, and power cord is positioned clear of the cutting area so that it will not get caught or hung up on the work.

To avoid kickback, ALWAYS support board or panel NEAR the cut (Fig. N and P). DON'T support board or panel away from the cut (Fig. O and Q). When operating the saw, keep the cord away from the cutting area and prevent it from becoming hung up on the work piece.

ALWAYS DISCONNECT SAW BEFORE MAKING ANY ADJUSTMENTS! Place the work with its "good" side—the one on which appearance is most important—down. The saw cuts upward, so any splintering will be on the work face that is up when you saw it.

Cutting

▲ WARNING: Never attempt to use this tool by resting it upside down on a work surface and bringing the material to the tool. Always securely clamp the workpiece and bring the tool to the workpiece, securely holding the tool with two hands as shown in Figure P.

Place the wider portion of the saw foot plate on that part of the work piece which is solidly supported, not on the section that will fall off when the cut is made. As examples, Figure P

illustrates the RIGHT way to cut off the end of a board. Always clamp work. Don't try to hold short pieces by hand! Remember to support cantilevered and overhanging material. Use caution when sawing material from below.

Be sure saw is up to full speed before blade contacts material to be cut. Starting saw with blade against material to be cut or pushed forward into kerf can result in kickback. Push the saw forward at a speed which allows the blade to cut without laboring. Hardness and toughness can vary even in the same piece of material, and knotty or damp sections can put a heavy load on the saw. When this happens, push the saw more slowly, but hard enough to keep working without much decrease in speed. Forcing the saw can cause rough cuts, inaccuracy, kickback, and over-heating of the motor. Should your cut begin to go off the line, don't try to force it back on. Release the switch and allow blade to come to a complete stop. Then you can withdraw the saw, sight anew, and start a new cut slightly inside the wrong one. In any event, withdraw the saw if you must shift the cut. Forcing a correction inside the cut can stall the saw and lead to kickback.

IF SAW STALLS, RELEASE THE TRIGGER AND BACK THE SAW UNTIL IT IS LOOSE. BE SURE BLADE IS STRAIGHT IN THE CUT AND CLEAR OF THE CUTTING EDGE BEFORE RESTARTING.

As you finish a cut, release the trigger and allow the blade to stop before lifting the saw from the work. As you lift the saw, the spring-tensioned telescoping guard will automatically close under the blade. Remember the blade is exposed until this occurs. Never reach under the work for any reason. When you have to retract the telescoping guard manually (as is necessary for starting pocket cuts) always use the retracting lever.

NOTE: When cutting thin strips, be careful to ensure that small cutoff pieces don't hang up on inside of lower guard.

Ripping

Ripping is the process of cutting wider boards into narrower strips – cutting grain lengthwise. Hand guiding is more difficult for this type of sawing and the use of a DeWALT parallel fence (Fig. K, **22**) is recommended.

Pocket Cutting (Fig. R)

▲ WARNING: Never tie the blade guard in a raised position. Never move the saw backwards when pocket cutting. This may cause the unit to raise up off the work surface which could cause injury.

A pocket cut is one that is made in a floor, wall or other flat surface.

1. Adjust the saw foot plate so the blade cuts at desired depth.
2. Tilt the saw forward and rest front of the foot plate on material to be cut.
3. Using the lower guard lever, retract lower blade guard to an upward position. Lower rear of foot plate until blade teeth almost touch cutting line.
4. Release the blade guard (its contact with the work will keep it in position to open freely as you start the cut). Remove hand from guard lever and firmly grip auxiliary handle **5**, as shown in Figure R. Position your body and arm to allow you to resist kickback if it occurs.
5. Make sure blade is not in contact with cutting surface before starting saw.
6. Start the motor and gradually lower the saw until its foot plate rests flat on the material to be cut. Advance saw along the cutting line until cut is completed.

7. Release trigger and allow blade to stop completely before withdrawing the blade from the material.

8. When starting each new cut, repeat as above.



Dust Extraction (Fig. 5)

▲ WARNING: Risk of dust inhalation. To reduce the risk of personal injury, **ALWAYS** wear an approved dust mask. A dust extraction spout **24** is supplied with your tool.

Vacuum hoses of most common vacuum extractors will fit directly into the dust extraction spout.

▲ WARNING: ALWAYS use a vacuum extractor designed in compliance with the applicable directives regarding dust emission when sawing wood. Vacuum hoses of most common vacuum cleaners will fit directly into the dust extraction outlet.

AirLock Connector System - DWV9000 (Sold Separately) (Fig. 5)

AirLock allows for a fast and secure connection between the tool's dust extraction spout **24** and the dust extractor.

1. Ensure the collar on the AirLock connector is in the unlock position. Align notches on collar and AirLock connector as shown for unlock and lock positions.
2. Push the AirLock connector onto the dust extraction spout **24**.
3. Rotate the collar to the locked position.

MAINTENANCE

Your DEWALT power tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.

▲ WARNING: To reduce the risk of serious personal injury, **turn tool off and disconnect tool from power source before making any adjustments or removing/installing attachments or accessories.** Be sure the trigger switch is in the OFF position. An accidental start-up can cause injury.



Lubrication

Self lubricating ball and roller bearings are used in the tool and relubrication is not required. However, it is recommended that, once a year, you take or send the tool to a service center for a thorough cleaning, inspection and lubrication of the gear case.



Cleaning

▲ WARNING: Blow dirt and dust out of the main housing with dry air as often as dirt is seen collecting in and around the air vents. Wear approved eye protection and approved dust mask when performing this procedure.

Lower Guard

The lower guard should always rotate and close freely from a fully open to fully closed position. Always check for correct operation before cutting by fully opening the guard and letting it close. If the guard closes slowly or not completely it will need cleaning or servicing. Do not use the saw until it functions correctly. To clean the guard, use dry air or a soft brush to remove all accumulated sawdust or debris from the path of the guard and from around the guard spring. Should this not

correct the problem, it will need to be serviced by an authorized service center.

▲ WARNING: Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

Blades

A dull blade will cause inefficient cutting, overload on the saw motor, excessive splintering and increase the possibility of kickback. Change blades when it is no longer easy to push the saw through the cut, when the motor is straining, or when excessive heat is built up in the blade. It is a good practice to keep extra blades on hand so that sharp blades are available for immediate use. Dull blades can be sharpened in most areas. Hardened gum on the blade can be removed with kerosene, turpentine, or oven cleaner. Anti-stick coated blades can be used in applications where excessive build-up is encountered, such as pressure treated and green lumber.

Optional Accessories

▲ WARNING: Since accessories, other than those offered by DEWALT, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only DEWALT recommended accessories should be used with this product.

DO NOT USE WATER FEED ATTACHMENTS WITH THIS SAW. VISUALLY EXAMINE CARBIDE BLADES BEFORE USE. REPLACE IF DAMAGED.

Consult your dealer for further information on the appropriate accessories.

Reducing Dust Exposure

Before starting work, check the hazard class of the dust that will be produced when working.

▲ WARNING: Avoid touching or breathing dust as it can be harmful to health. Dust created when using a power tool and when conducting other construction activities can contain chemicals, minerals, or particles known to cause respiratory infections, allergic reactions, cancer, birth defects, or other reproductive harm of the user or bystanders.

- Such dust can be generated, for example, when working on hardwoods such as beech or oak, lead-based paint, concrete, masonry, or stones containing quartz.
- Material containing asbestos may be handled only by specialists.
- Observe the relevant regulations in your country for the materials to be worked on.
- Use a dust extractor or extraction system with an officially approved protection class in compliance with the locally applicable dust protection regulations and suitable for the material to be worked on.
- Capture the resulting dust particles directly at the source and avoid deposits in the surrounding area. Use suitable extraction accessories for this purpose.

Additional measures:

- Make sure that the workplace is well ventilated.
- Wear a respirator appropriate for the type of dust generated.

Protecting the Environment



Products/batteries are recyclable, but if marked with the crossed-out bin, they must not be disposed of with normal household waste.

Run the batteries down completely and separate them, and separate any light sources from the product if possible. It is the user's responsibility to delete personal data from the product. Then take the waste to an official waste collection center or a participating retailer who will often accept it free of charge. Packaging should be discarded based on the marked material code. Operating and safety instructions should only be discarded once the applicable product is no longer in use.

Please check with your local community/municipality for waste management guidance. For further information, visit www.2helpU.com and scan the above QR code.

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