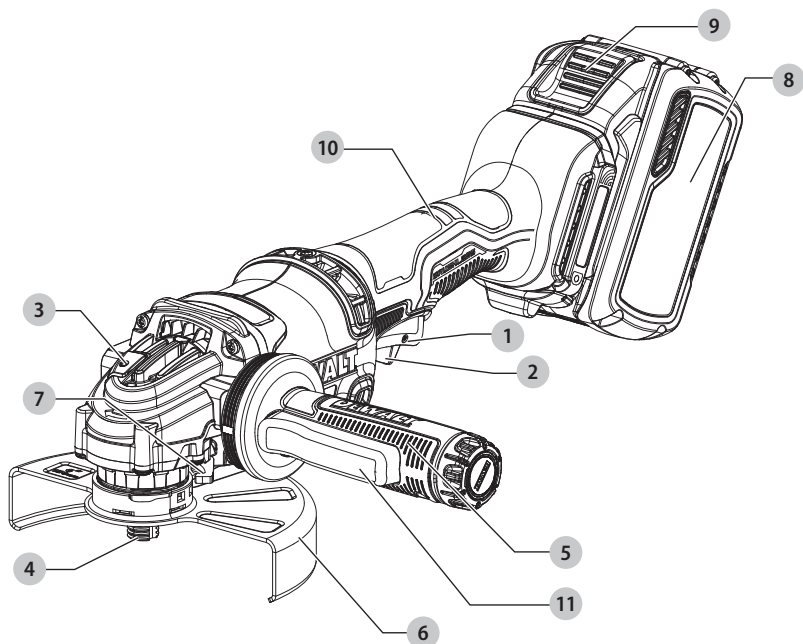


DCG418SHD

60V Max* Cordless 4 1/2"-6" (115mm-150mm) Side Handle Detect Small Angle Grinder

FR
SP



- 1 Trigger switch
- 2 Lock-off lever
- 3 Spindle lock button
- 4 Spindle
- 5 Auxiliary handle
- 6 Type 27 Guard (x2) 6" (150 mm) and 4.5" (125 mm)
- 7 Guard release lever
- 8 Battery pack
- 9 Battery release button
- 10 Main handle
- 11 Dual trigger switch

If you have questions or comments, contact us.
Pour toute question ou tout commentaire, nous contacter.
Si tiene dudas o comentarios, contáctenos.

www.DEWALT.com
1-800-4-DEWALT

 **WARNING:** Read all safety warnings, instructions, illustrations, and specifications in this manual, including the battery and charger sections provided in an original tool manual or the separate Batteries and Chargers manual.

Manuals can be obtained by contacting Customer Service as described elsewhere in this manual. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Definitions: Safety Alert Symbols and Words

This instruction manual uses the following safety alert symbols and words to alert you to hazardous situations and your risk of personal injury or property damage.

 **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**.

 (Used without word) Indicates a safety related message.

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

 **AVERTISSEMENT :** lire tous les avertissements de sécurité, les instructions, les illustrations et les caractéristiques de ce manuel, y compris les sections sur les piles et les chargeurs fournies dans un manuel d'origine de l'outil ou dans le manuel séparé sur les piles et les chargeurs. Les manuels peuvent être obtenus en contactant le service à la clientèle comme indiqué ailleurs dans ce manuel. Le fait de ne pas suivre les avertissements et les instructions peut entraîner un choc électrique, un incendie et/ou des blessures graves.

Définitions : symboles et termes d'alarmes sécurité

Ces guides d'utilisation utilisent les symboles et termes d'alarmes sécurité suivants pour vous prévenir de situations dangereuses et de risques de dommages corporels ou matériels.

 **DANGER :** indique une situation dangereuse imminente qui, si elle n'est pas évitée, **entraînera la mort ou des blessures graves**.

 **AVERTISSEMENT :** indique une situation potentiellement dangereuse qui, si elle n'est pas évitée, **pourrait entraîner la mort ou des blessures graves**.

 **ATTENTION :** indique une situation potentiellement dangereuse qui, si elle n'est pas évitée, **pourrait entraîner des blessures légères ou modérées**.

 (Si utilisé sans aucun terme) Indique un message propre à la sécurité.

AVIS : indique une pratique ne posant **aucun risque de dommages corporels** mais qui par contre, si rien n'est fait pour l'éviter, **pourrait** poser des **risques de dommages matériels**.

 **ADVERTENCIA:** Lea todas las advertencias de seguridad, instrucciones, ilustraciones y especificaciones de este manual, incluyendo las secciones sobre la batería y el cargador proporcionadas en un manual original de la herramienta o en el manual de Baterías y Cargadores por separado. Los manuales se pueden obtener poniéndose en contacto con el Servicio de atención al cliente como se describe en otra parte de este manual. La falla en seguir las advertencias e instrucciones puede resultar en descarga eléctrica, incendio y/o lesiones serias.

Definiciones: Símbolos y Palabras de Alerta de Seguridad

Este manual de instrucciones utiliza los siguientes símbolos y palabras de alerta de seguridad para alertarle de situaciones peligrosas y del riesgo de lesiones corporales o daños materiales.

 **PELIGRO:** Indica una situación de peligro inminente que, si no se evita, provocará **la muerte o lesiones graves**.

 **ADVERTENCIA:** Indica una situación de peligro potencial que, si no se evita, **podría** provocar **la muerte o lesiones graves**.

 **ATENCIÓN:** Indica una situación de peligro potencial que, si no se evita, **posiblemente** provocaría **lesiones leves o moderadas**.

 (Utilizado sin palabras) Indica un mensaje de seguridad relacionado.

AVISO: Se refiere a una práctica **no relacionada a lesiones corporales** que de no evitarse **puede** resultar en **daños a la propiedad**.

English (**original instructions**)

3

Français (*traduction de la notice d'instructions originale*)

17

Español (*traducido de las instrucciones originales*)

31

Fig. B

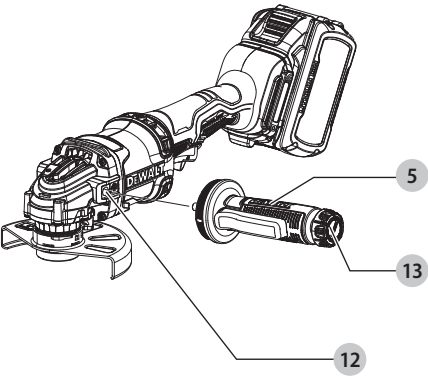


Fig. C

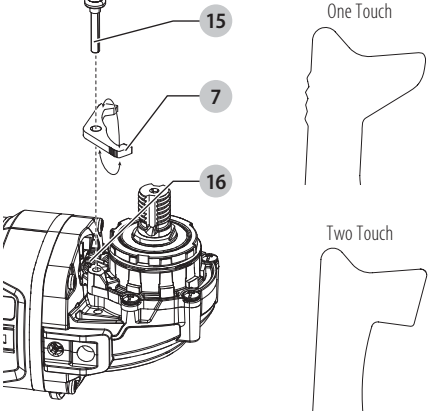


Fig. D

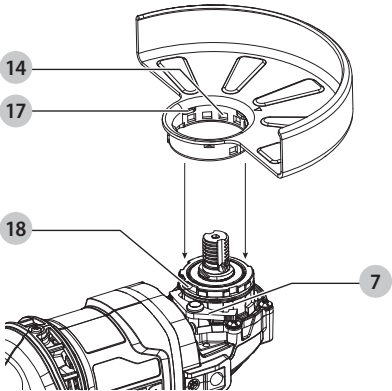


Fig. E

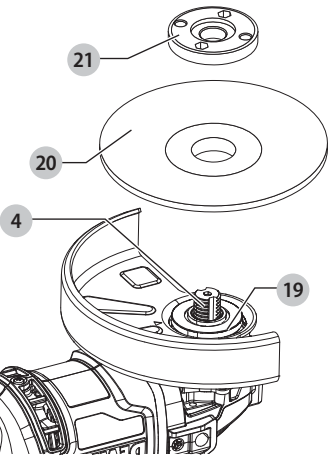


Fig. F

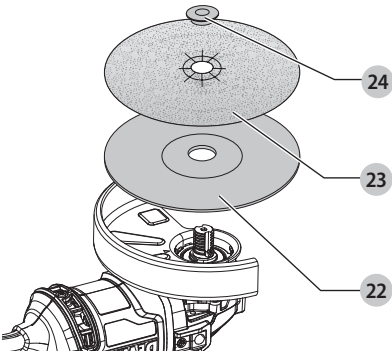


Fig. G

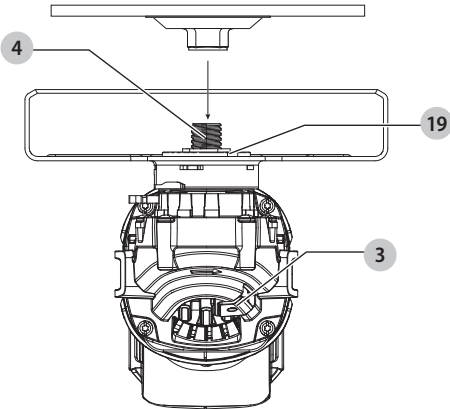


Fig. H

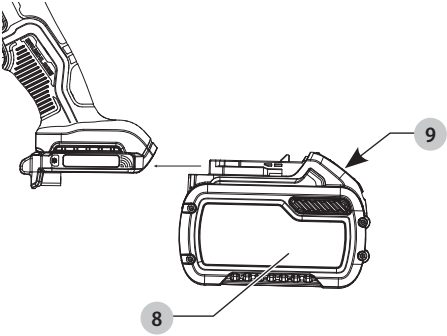


Fig. I

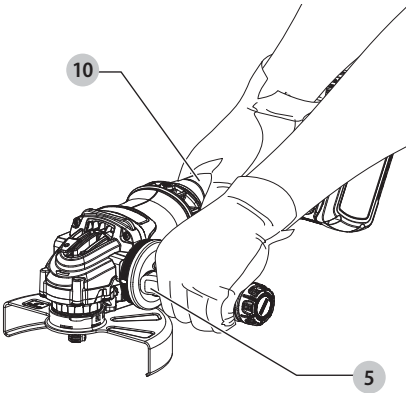


Fig. J

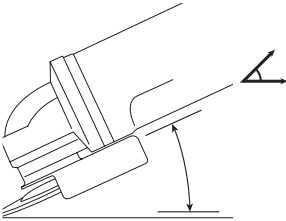
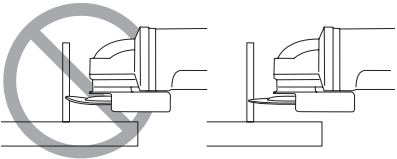


Fig. K



Intended Use

This heavy-duty small angle grinder has been designed for professional grinding, sanding, wire brush, and cut-off applications at various work sites (i.e., construction sites).

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

▲ DANGER: Do not use for wood cutting or woodcarving. Do not use toothed blades of any kind. Serious injury can result. This heavy-duty, small angle grinder is a professional power tool. **DO NOT** let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

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 ground fault circuit interrupter (GFCI) protected supply.** Use of a GFCI 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 a 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.
 - 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 remove 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) Battery Tool Use and Care

a) Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

b) Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.

c) When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

d) Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

e) Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.

f) Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 265 °F (130 °C) may cause explosion.

g) Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

6) 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.

b) Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorized service providers.

SAFETY INSTRUCTIONS FOR ALL OPERATIONS

Safety Warnings Common for Grinding, Sanding, Wire Brushing, or Cutting-Off Operations:

a) This power tool is intended to function as a grinder, sander, wire brush, or cut-off tool. 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.

b) Operations such as polishing are not recommended to be performed with this power tool. Operations for which the power tool was not designed may create a hazard and cause personal injury.

c) Do not convert this power tool to operate in a way which is not specifically designed and specified by the

tool manufacturer. Such a conversion may result in a loss of control and cause serious personal injury.

d) Do not use accessories which are not specifically designed and specified by the tool manufacturer. Just because the accessory can be attached to your power tool, it does not assure safe operation.

e) The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool. Accessories running faster than their rated speed can break and fly apart.

f) The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool. Incorrectly sized accessories cannot be adequately guarded or controlled.

g) Threaded mounting of accessories must match the grinder spindle thread. For accessories mounted by flanges, the arbor hole of the accessory must fit the locating diameter of the flange. Accessories that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.

h) The dimensions of the accessory mounting must fit the dimensions of the mounting hardware of the power tool. Accessories that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.

i) Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, backing pad for cracks, tear or excess wear, wire brush for loose or cracked wires. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute. Damaged accessories will normally break apart during this test time.

j) Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop apron capable of stopping small abrasive or workpiece fragments. The eye protection must be capable of stopping flying debris generated by various applications. The dust mask or respirator must be capable of filtering particles generated by the particular application. Prolonged exposure to high intensity noise may cause hearing loss.

k) Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment. Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.

l) Hold the power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

m) Never lay the power tool down until the accessory has come to a complete stop. The spinning accessory may grab the surface and pull the power tool out of your control.

n) Do not run the power tool while carrying it at your side. Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.

- o) Regularly clean the power tool's air vents. The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.*
- p) Do not operate the power tool near flammable materials. Sparks could ignite these materials.*
- q) Do not use accessories that require liquid coolants. Using water or other liquid coolants may result in electrocution or shock.*
- r) Do not use Type 11 (flaring cup) wheels on this tool. Using inappropriate accessories can result in injury.*
- s) When starting the tool with a new or replacement wheel, or a new or replacement wire brush installed, hold the tool in a well protected area and let it run for one minute. If the wheel has an undetected crack or flaw, it should burst in less than one minute. If the wire brush has loose wires, they will be detected. Never start the tool with a person in line with the wheel. This includes the operator.*
- t) Use of accessories not specified in this manual is not recommended and may be hazardous. Use of power boosters that would cause the tool to be driven at speeds greater than its rated speed constitutes misuse.*

Kickback and Related Warnings:

Kickback is a sudden reaction to a pinched or snagged rotating wheel, backing pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory which in turn causes the uncontrolled power tool to be forced in the direction opposite of the accessory's rotation at the point of the binding.

For example, if an abrasive wheel is snagged or pinched by the workpiece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may either jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions.

Kickback is the result of power tool 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 power tool and position your body and arms to allow you to resist kickback forces. Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up. The operator can control torque reactions or kickback forces, if proper precautions are taken.*
- b) Never place your hand near the rotating accessory. Accessory may kickback over your hand.*
- c) Do not position your body in the area where power tool will move if kickback occurs. Kickback will propel the tool in direction opposite to the wheel's movement at the point of snagging.*
- d) Use special care when working corners, sharp edges, etc. Avoid bouncing and snagging the accessory. Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.*
- e) Do not attach a saw chain woodcarving blade, segmented diamond wheel with a peripheral gap greater than 10 mm or toothed saw blade. Such blades create frequent kickback and loss of control.*

Safety Warnings Specific for Grinding and Cutting-Off Operations:

- a) Use only wheel types that are specified for your power tool and the specific guard designed for the selected wheel. Wheels for which the power tool was not designed cannot be adequately guarded and are unsafe.*
- b) The grinding surface of center depressed wheels must be mounted below the plane of the guard lip. An improperly mounted wheel that projects through the plane of the guard lip cannot be adequately protected.*
- c) The guard must be securely attached to the power tool and positioned for maximum safety, so the least amount of wheel is exposed towards the operator. The guard helps to protect the operator from broken wheel fragments, accidental contact with wheel and sparks that could ignite clothing.*
- d) Wheels must be used only for specified applications. For example: do not grind with the side of cut-off wheel. Abrasive cut-off wheels are intended for peripheral grinding, side forces applied to these wheels may cause them to shatter.*
- e) Always use undamaged wheel flanges that are of correct size and shape for your selected wheel. Proper wheel flanges support the wheel thus reducing the possibility of wheel breakage. Flanges for cut-off wheels may be different from grinding wheel flanges.*
- f) Do not use worn down wheels from larger power tools. A wheel intended for larger power tool is not suitable for the higher speed of a smaller tool and may burst.*
- g) When using dual purpose wheels always use the correct guard for the application being performed. Failure to use the correct guard may not provide the desired level of guarding, which could lead to serious injury.*

Additional Safety Warnings Specific for Cutting-Off Operations:

- a) Do not "jam" the cut-off wheel or apply excessive pressure. Do not attempt to make an excessive depth of cut. Overstressing the wheel increases the loading and susceptibility to twisting or binding of the wheel in the cut and the possibility of kickback or wheel breakage.*
- b) Do not position your body in line with and behind the rotating wheel. When the wheel, at the point of operation, is moving away from your body, the possible kickback may propel the spinning wheel and the power tool directly at you.*
- c) When the wheel is binding or when interrupting a cut for any reason, switch off the power tool and hold it motionless until the wheel comes to a complete stop. Never attempt to remove the cut-off wheel from the cut while the wheel is in motion otherwise kickback may occur. Investigate and take corrective action to eliminate the cause of wheel binding.*
- d) Do not restart the cutting operation in the workpiece. Let the wheel reach full speed and carefully re-enter the cut. The wheel may bind, walk up or kickback if the power tool is restarted in the workpiece.*
- e) Support panels or any oversized workpiece to minimize the risk of wheel pinching and kickback. Large workpieces tend to sag under their own weight. Supports must be placed under the workpiece near the line of cut and near the edge of the workpiece on both sides of the wheel.*
- f) Use extra caution when making a "pocket cut" into existing walls or other blind areas. The protruding wheel*

may cut gas or water pipes, electrical wiring or objects that can cause kickback.

g) **Do not attempt to do curved cutting.** Overstressing the wheel increases the loading and susceptibility to twisting or binding of the wheel in the cut and the possibility of kickback or wheel breakage, which can lead to serious injury.

Safety Warnings Specific for Sanding Operations:

a) **Use proper sized sanding disc paper. Follow manufacturer's recommendations, when selecting sanding paper.** Larger sanding paper extending too far beyond the sanding pad presents a laceration hazard and may cause snagging, tearing of the disc or kickback.

Safety Warnings Specific for Wire Brushing Operations:

a) **Be aware that wire bristles are thrown by the brush even during ordinary operation. Do not overstress the wires by applying excessive load to the brush.** The wire bristles can easily penetrate light clothing and/or skin.

b) **Guard must be used for wire brushing, do not allow any interference of the wire wheel or brush with the guard.** Wire wheel or brush may expand in diameter due to work and centrifugal forces.

c) **Safety goggles or safety glasses with side shields and a full face shield compliant with ANSI Z87.1 MUST be worn by the operator and others that are within 50' (15.2 m) of the use of this product.**

Additional Safety Information

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

▲ WARNING: ALWAYS use safety glasses. Everyday eyeglasses are NOT safety glasses. Also use face or dust mask if cutting operation is dusty. **ALWAYS WEAR CERTIFIED SAFETY EQUIPMENT:**

- ANSI Z87.1 eye protection (CAN/CSA Z94.3),
- ANSI S12.6 (S3.19) hearing protection,
- NIOSH/OSHA/MSHA respiratory protection.

▲ WARNING: Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

▲ WARNING: Use of this tool can generate and/or disperse dust, which may cause serious and permanent respiratory or other injury. Always use NIOSH/OSHA approved respiratory protection appropriate for the dust exposure. Direct particles away from face and body.

▲ WARNING: Always wear proper personal hearing protection that conforms to ANSI S12.6 (S3.19) during use. Under some conditions and duration of use, noise from this product may contribute to hearing loss.

• **Wear protective clothing and wash exposed areas with soap and water.** Allowing dust to get into your mouth, eyes, or lay on the skin may promote absorption of harmful chemicals. Direct particles away from face and body.

• **Use the appropriate dust extractor vacuum to remove the vast majority of static and airborne dust.** Failure to remove static and airborne dust could contaminate the working environment or pose an increased health risk to the operator and those in close proximity.

• **Use clamps or other practical ways to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control and injury.

• **Always use auxiliary handle.** Tighten the handle securely. The auxiliary handle should always be used to maintain control of the tool at all times.

• **To prevent the spindle end from contacting the bottom of the hole of the hubbed wheel, use accessories that have a threaded hole depth of at least 21 mm.** Failure to use an accessory with the appropriate thread depth could result in damage to the hubbed wheel and injury to the operator or persons in the area.

• **The arbor size of hubbed wheels, flanges, backing pads or any other accessory must properly fit the spindle of the power tool.** Accessories with arbor holes that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.

• **Avoid bouncing the wheel or giving it rough treatment.** If this occurs, stop the tool and inspect the wheel for cracks or flaws.

• Always handle and store wheels in a careful manner.

• **Do not operate this tool for long periods of time.** Vibration caused by the operating action of this tool may cause permanent injury to fingers, hands, and arms. Use gloves to provide extra cushion, take frequent rest periods, and limit daily time of use.

• **Safety goggles or safety glasses with side shields and a full face shield compliant with ANSI Z87.1 MUST be worn by the operator and others that are within 50' (15.2 m) of the use of this product.**

• **Air vents often cover moving parts and should be avoided.** Loose clothes, jewelry or long hair can be caught in moving parts.

▲ CAUTION: When not in use, place tool on its side on a stable surface where it will not cause a tripping or falling hazard. Some tools with large battery packs will stand upright on the battery pack but may be easily knocked over.

▲ WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH** of CHILDREN.
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate. Even used batteries may cause severe injury or death. Call a local poison control center for treatment information. Tool Connect™ uses a CR2450 type battery of nominal 3V voltage. Non-rechargeable batteries are not to be recharged. Do not force discharge, recharge, disassemble, heat above 140 °F (60 °C), or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.

▲ WARNING: Danger of explosion if battery is incorrectly replaced.

Product contains non-replaceable battery except by qualified service center. Do not attempt to replace the coin cell battery yourself.

The label on your tool may include the following symbols. The symbols and their definitions are as follows:

V	volts		Class II Construction (double insulated)
Hz	hertz		no load speed
min	minutes		rated speed
— = — or DC	direct current		pounds per square inch
	Class I Construction (grounded)		earthing terminal
... /min	per minute		safety alert symbol
BPM	beats per minute		visible radiation—do not stare into the light
IPM	impacts per minute		wear respiratory protection
OPM	oscillations per minute		wear eye protection
RPM	revolutions per minute		wear hearing protection
sfpm	surface feet per minute		read all documentation
SPM	strokes per minute		do not expose to rain
A	amperes		always operate with two hands
W	watts		do not use guard for cut-off operations
Wh	watt hours		Coin cell battery
Ah	amp hours		
~ or AC	alternating current		
⎓ or AC/DC	alternating or direct current		

Features

E-Switch Protection™

The ON/OFF switches have a no-volt release function. In the event of an unexpected shut down or when a battery is inserted, the switches will need to be released and the start-up sequence must be performed to restart tool.

E-Clutch™

This unit is equipped with an E-Clutch™ (Electronic Clutch), which in the event of a high-load event, the unit will be shut off to reduce the reaction torque to the user. The switch needs to be cycled (turned on and off) to restart tool.

Kickback Brake™

When a pinch, stall, or bind-up event is sensed, the electronic brake engages with maximum force to quickly stop the wheel, reduce the movement of the grinder, and shut the grinder off. The switch needs to be cycled (turned on and off) to restart the tool.

Power-Off™ Overload Protection

The power supply to the motor will be reduced in case of motor overload. With continued motor overload, the tool will shut off. The switch needs to be cycled (turned on and off) to restart tool. The tool will power off each time the current load reaches the overload current value (motor burn-up point). If continued overload shutdowns occur, apply less force/weight on the tool until the tool will function without the overload engaging.

Electronic Soft Start

This feature limits the initial start-up speed, allowing the tool to build up to full speed gradually over a 1 second period.

ASSEMBLY AND ADJUSTMENTS

▲ WARNING: To reduce the risk of serious personal injury, turn unit off and remove the battery pack before making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.

Attaching the Auxiliary Handle (Fig. B)

▲ WARNING: This handle SHOULD BE USED AT ALL TIMES to maintain complete control of the tool. Always make sure the handle is tight.

Position the auxiliary handle **5** into one of the threaded mounting holes **12** of the gear case with the dual trigger switch **11** facing the front of the tool. Screw the auxiliary handle tightly onto the tool using the side handle tightening knob **13**.

DeWALT Tool Connect™ Integrated Connectivity

DeWALT Tool Connect™ products are capable of connecting with devices that support Bluetooth® technology using the DeWALT Site Manager application.

DeWALT Site Manager is a web and mobile application and is compatible with most popular devices.

Bluetooth capability is provided by the Site Manager app. Additional subscription charges and third-party data charges may apply.

DeWALT Tool Connect™ integrated connectivity is designed to support tracking, locating, and providing product data using the DeWALT Site Manager app. To learn more and for a full list of features, visit: www.DeWALT.com/en-us/jobsite-solutions/tool-connect

Getting Started with DeWALT Tool Connect™

Note: The DeWALT Site Manager App is governed by separate terms and conditions available for viewing through the mobile or web application.

Step 1: Download the DeWALT Site Manager application at:



Step 2: Follow the instruction in the app to create your account or log into an existing Site Manager account.

Step 3: Connect your product with the DeWALT Site Manager app by going to the Inventory screen and selecting "+ Tool", then following the steps in app.

Note: Your device is enabled with an optimized pairing process. Simply select "Add via QR or Barcode" to connect your Bluetooth® enabled product to your account.

For more information on DeWALT Tool Connect™ functionality and features, visit www.DeWALT.com/en-us/jobsite-solutions/tool-connect or call 1-800-4-DEWALT.

Guards

▲ CAUTION: *Guards must be used with all grinding wheels, cutting wheels, sanding flap discs, wire brushes, and wire wheels. The tool may be used without a guard only when sanding with conventional sanding discs. Refer to Figure A to see guards provided with the unit. Some applications may require purchasing the correct guard from your local dealer or authorized service center.*

NOTE: Edge grinding and cutting can be performed with Type 27 wheels designed and specified for this purpose; 1/4" (6.35 mm) thick wheels are designed for surface grinding while thinner Type 27 wheels need to be examined for the manufacturer's label to see if they can be used for surface grinding or only edge grinding/cutting. A Type 1/41 guard must be used for any wheel where surface grinding is forbidden. Cutting can also be performed by using a Type 1/41 wheel and a Type 1/41 guard.

NOTE: See the **Accessories Chart** to select the proper guard / accessory combination.

Mounting and Removing Guard (Fig. C)

▲ CAUTION: *Guards must be used with all grinding wheels, cut-off wheels, diamond coated wheels, sanding flap discs, wire brushes, and wire wheels. The tool may be used without a guard only when sanding with conventional sanding discs. Some DEWALT models are provided with a guard intended for use with depressed center wheels (Type 27) and hubbed grinding wheels (Type 27). The same guard is designed for use with sanding flap discs (Type 27 and 29) and wire brushes. Grinding and cutting with wheels other than Type 27 and 29 require different accessory guards not included with tool. Mounting instructions for these accessory guards are included in the accessory package.*

Adjustment Options

For guard adjustment, the guard release lever 7 engages one of the alignment holes 14 on the guard collar using a ratcheting feature. Your grinder offers two options for this adjustment.

- **One-touch™:** In this position the engaging face is slanted and will ride over to the next alignment hole when guard is rotated in a clockwise direction (spindle facing user) but self-locks in the counterclockwise direction.
- **Two-touch™:** In this position the engaging face is straight and squared off. It will NOT ride over to the next alignment hole unless guard release lever is pressed and held while simultaneously rotating the guard in either a clockwise or counterclockwise direction (spindle facing user).

Setting Guard Adjustment Options

To adjust the guard release lever 7 for desired adjustment option:

1. Remove screw 15 using a T20 bit.
2. Remove the guard release lever taking note of the spring position. Choose the end of the lever for the desired adjustment option. One-touch will use the slanted end of the lever 7 to engage the alignment holes 14 on the guard collar. Two-touch will use the squared end to engage the alignment holes 14 on the guard collar.
3. Replace the lever, positioning the chosen end under the spring 16. Ensure the lever is in proper contact with the spring.
4. Replace screw and torque to 2.0-3.0 N-m. Ensure proper installation with spring return function by depressing guard release lever 7.

Mounting Guard (Fig. D)

▲ CAUTION: *Prior to mounting guard, ensure the screw, lever, and spring are fitted correctly before mounting the guard.*

1. With the spindle facing the operator, press and hold the guard release lever 7.
2. Align the lugs 17 on the guard with the slots 18 on the gear case.
3. Push the guard down until the guard lugs engage and rotate them in the groove on the gear case hub. Release the guard release lever.
4. To position the guard:

One-touch™: Rotate the guard clockwise into the desired working position. Press and hold the guard release lever 7 release lever to rotate the guard in the anti-clockwise direction.

Two-touch™: Press and hold the guard release lever 7. Rotate the guard clockwise or counterclockwise into the desired working position.

NOTE: The guard body should be positioned between the spindle and the operator to provide maximum operator protection. The guard release lever should snap into one of the alignment holes 14 on the guard collar. This ensures that the guard is secure.

5. To remove the guard, follow steps 1–3 of these instructions in reverse.

Flanges and Wheels

▲ WARNING: *To reduce the risk of serious personal injury, turn unit off and remove the battery pack before making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.*

Mounting Non-Hubbed Wheels (Fig. A, E)

▲ WARNING: *Failure to properly seat the flanges and/or wheel could result in serious injury (or damage to the tool or wheel).*

▲ CAUTION: *Included flanges must be used with Type 27 depressed center grinding wheels, Type 27/42 depressed center cutting wheels and Type 1/41 abrasive cutting wheels. See the Accessories Chart for more information.*

▲ WARNING: *A closed, two-sided cutting wheel guard is required when using abrasive cutting wheels or diamond coated cutting wheels.*

▲ WARNING: *Use of a damaged flange or guard or failure to use proper flange and guard can result in injury due to wheel breakage and wheel contact. See the Accessories Chart for more information.*

Depressed center Type 27 grinding wheels must be used with included flanges.

1. Place the tool on a table, guard up.
2. Install the backing flange 19 on spindle 4 with the raised center (pilot) facing the wheel. Press the backing flange into place.
3. Place wheel 20 against the backing flange, centering the wheel on the raised center (pilot) of the backing flange.
4. While depressing the spindle lock button and with the hex depressions facing away from the wheel, thread the locking flange 21 on spindle so that the lugs engage the two slots in the spindle.
5. While depressing the spindle lock button, tighten the locking flange 21 by hand or using the wrench supplied.

(Only use a locking flange if it is in perfect condition.) Refer to **Accessory Chart** to see flange details.

6. To remove the wheel, reverse the above procedure.

Mounting Sanding Backing Pads (Fig. A, F)

▲ WARNING: Use only backing pads that are rated for at least equal to the rated speed marked on the tool.

▲ WARNING: Failure to properly seat the clamp nut and/or pad could result in serious injury (or damage to the tool or wheel).

▲ WARNING: Proper guard must be reinstalled for grinding wheel, cutting wheel, sanding flap disc, wire brush or wire wheel applications after sanding applications are complete.

NOTE: Use of a guard with sanding discs that use backing pads, often called fiber resin discs, is not required. Since a guard is not required for these accessories, the guard may or may not fit correctly if used.

1. Place or appropriately thread backing pad **22** on the spindle.
2. Place the sanding disc **23** on the backing pad.
3. While depressing spindle lock button **3**, thread the sanding clamp nut **24** on spindle, piloting the raised hub on the clamp nut into the center of sanding disc and backing pad.
4. Tighten the clamp nut by hand. Then depress the spindle lock button while turning the sanding disc until the sanding disc and clamp nut are snug.
5. To remove the wheel, grasp and turn the backing pad and sanding pad while depressing the spindle lock button.

Mounting and Removing Hubbed Wheels (Fig. G)

Hubbed wheels install directly on the spindle. Thread of accessory must match thread of spindle.

1. Remove backing flange by pulling away from tool.
2. Thread the wheel on the spindle **4** by hand.
3. Depress the spindle lock button **3** and use a wrench to tighten the hub of the wheel.
4. Reverse the above procedure to remove the wheel.

NOTICE: Failure to properly seat the wheel before turning the tool on may result in damage to the tool or the wheel.

Mounting Wire Cup Brushes and Wire Wheels (Fig. A)

▲ WARNING: Failure to properly seat the brush/wheel could result in serious injury (or damage to the tool or wheel).

▲ CAUTION: To reduce the risk of personal injury, wear work gloves when handling wire brushes and wheels. They can become sharp.

▲ CAUTION: To reduce the risk of damage to the tool, wheel or brush must not touch guard when mounted or while in use. Undetectable damage could occur to the accessory, causing wires to fragment from accessory wheel or cup.

Wire cup brushes or wire wheels install directly on the threaded spindle without the use of flanges. Use only wire brushes or wheels provided with a 5/8"-11 threaded hub. These accessories are available at extra cost from your local dealer or authorised service center.

1. Place the tool on a table, guard up.
2. Thread the wheel on the spindle **4** by hand.

3. Depress spindle lock button **3** and use a wrench on the hub of the wire wheel or brush to tighten the wheel.

4. To remove the wheel, reverse the above procedure.

NOTICE: To reduce the risk of damage to the tool, properly seat the wheel hub before turning the tool on.

Prior to Operation

- Install the guard and appropriate disc or wheel. Do not use excessively worn discs or wheels.

- Be sure the backing and threaded locking flange are mounted correctly. Follow the instructions given in the

Accessories Chart

- Make sure the disc or wheel rotates in the direction of the arrows on the accessory and the tool.
- Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, backing pad for cracks, tear or excess wear, wire brush for loose or cracked wires. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute. Damaged accessories will normally break apart during this test time.

OPERATION

▲ WARNING: To reduce the risk of serious personal injury, turn unit off and remove the battery pack before making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.

Installing and Removing the Battery Pack (Fig. H)

▲ WARNING: Ensure the tool/appliance is in the off position before inserting the battery pack.

NOTE: For best results, make sure your battery pack is fully charged.

1. To install the battery pack **8** into the tool handle, align the battery pack with the rails inside the tool's handle and slide it into the handle until the battery pack is firmly seated in the tool and ensure that it does not disengage.
2. To remove the battery pack from the tool, press the battery pack release button **9** and firmly pull the battery pack out of the tool handle. Insert it into the charger as described in the charger section of this manual.

Proper Hand Position (Fig. I)

▲ 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 **10** and the other hand on the auxiliary handle **5**, as shown in Fig. I.

Trigger Switch and Dual Trigger Switch (Fig. A)

▲ WARNING: Before using the tool, check that the auxiliary handle is tightened securely.

▲ WARNING: Hold the auxiliary handle and main handle of the tool firmly to maintain control of the tool at start-up and during use and until the wheel or accessory stops rotating.

Make sure the wheel has come to a complete stop before laying the tool down.

- 1. To turn the tool on, first press and hold the dual trigger switch **11**, push the lock-off lever **2** toward the back of the tool, then depress the trigger switch **1**. The tool will run while both switches are depressed.
- 2. Turn the tool off by releasing either switch.
- 3. The tool will not restart again until both switches are released and the start-up sequence is repeated.
- 4. If trigger switch is not activated within 2 seconds of the dual trigger switch, the grinder will not start and the sequence must be repeated.

Feathering/Grip Adjust Timers

If only one of the switches, the trigger switch **1** or the dual trigger switch **11**, is released while the tool is running, the tool can be restarted if it is depressed again within 1 second. Normal braking operation will occur when the switch is released.

⚠ WARNING: Allow the tool to reach full speed before touching tool to the work surface. Lift the tool from the work surface before turning the tool off.

NOTE: This tool has no provision to lock the switch in the ON position, and should never be locked ON by any other means.

Spindle Lock (Fig. A)

The spindle lock button **3** is provided to prevent the spindle from rotating when installing or removing wheels. Operate the spindle lock only when the tool is turned off, the battery is removed and the spindle has come to a complete stop.

NOTICE: To reduce the risk of damage to the tool, do not engage the spindle lock while the tool is operating. Damage to the tool will result and attached accessory may spin off, possibly resulting in injury.

To engage the lock, depress the spindle lock button and rotate the spindle until you are unable to rotate the spindle further.

Surface Grinding, Sanding and Wire Brushing (Fig. J)

⚠ CAUTION: Always use the correct guard per the instructions in this manual.

To perform work on the surface of a workpiece:

- 1. Allow the tool to reach full speed before touching the tool to the work surface.
- 2. Apply minimum pressure to the work surface, allowing the tool to operate at high speed. Material removal rate is greatest when the tool operates at high speed.
- 3. Maintain an appropriate angle between the tool and work surface. Refer to the chart according to particular function.

Function	Angle ∠
Grinding	20° -30°
Sanding with Flap Disc	5° -10°
Sanding with Backing Pad	5° -15°
Wire Brushing	5° -10°

- 4. Maintain contact between the edge of the wheel and the work surface.

- If grinding, sanding with flap discs, or wire brushing, move the tool continuously in a forward and back motion to avoid creating gouges in the work surface.

- If sanding with a backing pad, move the tool constantly in a straight line to prevent burning and swirling of work surface.

NOTE: Allowing the tool to rest on the work surface without moving will damage the workpiece.

- 5. Remove the tool from work surface before turning tool off. Allow the tool to stop rotating before laying it down.

⚠ CAUTION: Use extra care when working over an edge, as a sudden sharp movement of grinder may be experienced.

Precautions To Take When Working on a Painted Workpiece

- 1. Sanding or wire brushing of lead-based paint is NOT RECOMMENDED due to the difficulty of controlling the contaminated dust. The greatest danger of lead poisoning is to children and pregnant women.
- 2. Since it is difficult to identify whether or not a paint contains lead without a chemical analysis, we recommend the following precautions when sanding any paint:

Personal Safety

- 1. No children or pregnant women should enter the work area where the paint sanding or wire brushing is being done until all clean-up is completed.
 - 2. A dust mask or respirator should be worn by all persons entering the work area. The filter should be replaced daily or whenever the wearer has difficulty breathing.
- NOTE:** Only those dust masks suitable for working with lead paint dust and fumes should be used. Ordinary painting masks do not offer this protection. Refer to your local hardware dealer for the proper N.I.O.S.H. approved mask.
- 3. NO EATING, DRINKING or SMOKING should be done in the work area to prevent ingesting contaminated paint particles. Workers should wash and clean up BEFORE eating, drinking or smoking. Articles of food, drink, or smoking should not be left in the work area where dust would settle on them.

Environmental Safety

- 1. Paint should be removed in such a manner as to minimize the amount of dust generated.
- 2. Areas where paint removal is occurring should be sealed with plastic sheeting of 4 mils thickness.
- 3. Sanding should be done in a manner to reduce tracking of paint dust outside the work area.

Cleaning and Disposal

- 1. All surfaces in the work area should be vacuumed and thoroughly cleaned daily for the duration of the sanding project. Vacuum filter bags should be changed frequently.
 - 2. Plastic drop cloths should be gathered up and disposed of along with any dust chips or other removal debris. They should be placed in sealed refuse receptacles and disposed of through regular trash pick-up procedures.
- During clean-up, children and pregnant women should be kept away from the immediate work area.
- 3. All toys, washable furniture and utensils used by children should be washed thoroughly before being used again.

Edge Grinding and Cutting (Fig. K)

⚠ WARNING: Do not use edge grinding/cutting wheels for surface grinding applications because these wheels are not designed for side pressures encountered with surface grinding. Wheel breakage and injury may result.

▲ CAUTION: *Wheels used for edge grinding and cutting may break or kick back if they bend or twist while the tool is being used. In all edge grinding/cutting operations, the open side of the guard must be positioned away from the operator.*

NOTICE: *Edge grinding/cutting with a Type 27 wheel must be limited to shallow cutting and notching—less than 1/2" (13 mm) in depth when the wheel is new. Reduce the depth of cutting/notching equal to the reduction of the wheel radius as it wears down. Refer to the **Accessories Chart** for more information. Edge grinding/cutting with a Type 41 wheel requires usage of a Type 1/41 /Type A guard.*

1. Allow the tool to reach full speed before touching the tool to the work surface.
2. Apply minimum pressure to the work surface, allowing the tool to operate at high speed. Grinding/cutting rate is greatest when the tool operates at high speed.
3. Position yourself so that the open-underside of the wheel is facing away from you.
4. Once a cut is begun and a notch is established in the workpiece, do not change the angle of the cut. Changing the angle will cause the wheel to bend and may cause wheel breakage. Edge grinding wheels are not designed to withstand side pressures caused by bending.
5. Remove the tool from the work surface before turning the tool off. Allow the tool to stop rotating before laying it down.

MAINTENANCE

▲ WARNING: *To reduce the risk of serious personal injury, turn unit off and remove the battery pack before making any adjustments or removing/installing attachments or accessories. An accidental start-up can cause injury.*

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.

Cleaning

▲ WARNING: *Blow dirt and dust out of all air vents with clean, dry air at least once a week. To minimize the risk of eye injury, always wear ANSI Z87.1 approved eye protection when performing this procedure.*

▲ WARNING: *Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the plastic 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.*

Accessories

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

▲ WARNING: *Do not use a bonded abrasive wheel that is past its expiration (EXP) date as marked near center of wheel, if provided. Expired wheels are more likely to burst and cause serious injury. Store bonded abrasive wheels in dry location without temperature or humidity extremes. Destroy expired or damaged wheels so they cannot be used.*

Recommended accessories for use with your product are available at extra cost from your local dealer or authorized

service center. If you need assistance in locating any accessory, please contact DeWALT. Call **1-800-4-DeWALT (1-800-433-9258)** or visit our website: **www.dewalt.com**.

The capacity of this tool is 4.5" (115 mm)—6" (150 mm) diameter x 1/4" (6 mm) thick grinding or cutting wheels. It is important to choose the correct guards, backing pads and flanges to use with grinder accessories. See the **Accessories Chart** for information on choosing the correct accessories.

▲ WARNING: *Accessories must be rated for at least the speed recommended on the tool warning label. Wheels and other accessories running over their rated accessory speed may fly apart and cause injury. Threaded accessories must have a 5/8"-11 hub. Every unthreaded accessory must have a 7/8" (22 mm) arbor hole. If it does not, it may have been designed for a circular saw. Use only the accessories shown in the **Accessories Chart** of this manual. Accessory ratings must always be above tool speed as shown on tool nameplate.*

▲ WARNING: *Handle and store all abrasive wheels carefully to prevent damage from thermal shock, heat, mechanical damage, etc. Store in a dry protected area free from high humidity, freezing temperatures or extreme temperature changes.*

Repairs

The charger and batteries are not serviceable. There are no serviceable parts inside the charger or battery pack.

▲ WARNING: *To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (including brush inspection and replacement, when applicable) should be performed by a factory service center or an authorized service center. Always use identical replacement parts.*

Register Online

Thank you for your purchase. Register your product now for:

- **WARRANTY SERVICE:** Registering your product will help you obtain more efficient warranty service in case there is a problem with your product.
- **CONFIRMATION OF OWNERSHIP:** In case of an insurance loss, such as fire, flood or theft, your registration of ownership will serve as your proof of purchase.
- **FOR YOUR SAFETY:** Registering your product will allow us to contact you in the unlikely event a safety notification is required under the Federal Consumer Safety Act.
- Register online at **www.dewalt.com/account-login**.

Three-Year Limited Warranty

For warranty terms, go to **www.dewalt.com/support/warranty**.

To request a written copy of the warranty terms, contact: Customer Service at DeWALT Industrial Tool Co., 701 East Joppa Road, Towson, MD 21286 or call **1-800-4-DeWALT (1-800-433-9258)**.

LATIN AMERICA: This warranty does not apply to products sold in Latin America. For products sold in Latin America, see country-specific warranty information contained in the packaging, call the local company or see website for warranty information.

FREE WARNING LABEL REPLACEMENT: If your warning labels become illegible or are missing, call **1-800-4-DeWALT (1-800-433-9258)** for a free replacement.

DCG418SHD ACCESSORIES CHART

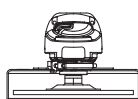
Approved wheels for use with DCG418SHD

Type 1 / T1	
Type 27 / T27	
Type 28 / T28†	
Type 29 / T29	

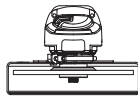
Non-approved wheels for DCG418SHD

Type 11 / T11	
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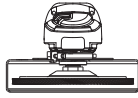
Type 27 Hubbed Grinding Wheels

Type 27/Type B guard NA596176 (4.5")/ NA356596 (6")		
Type 27 hubbed wheel		

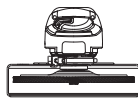
Type 27, 28 Depressed Center Grinding Wheels

Type 27/Type B guard NA596176 (4.5")/ NA356596 (6")		
Backing Flange N115381		
Type 27, 28 depressed center wheel		
Locking flange N452728		

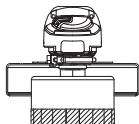
Hubbed Sanding Flap Discs

Type 27/Type B guard N302482 (4.5")/ NA356596 (6")		
Hubbed sanding flap disc		

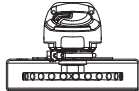
Non-Hubbed Sanding Flap Discs

Type 27/Type B guard NA596176 (4.5")/ NA356596 (6")		
Backing Flange N115381		
Non-Hubbed sanding flap disc		
Locking flange N452728		

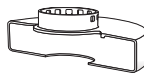
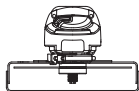
Hubbed Wire Cup Wheels

Type 27/Type B guard NA596176 (4.5")/ NA356596 (6")		
Hubbed wire cup wheel		

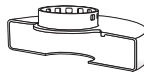
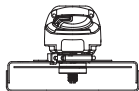
Hubbed Wire Wheels

Type 27/Type B guard NA596176 (4.5")/ NA356596 (6")		
Hubbed wire wheel		

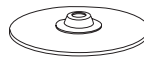
Type 1/41 Cutting Wheels

Type 1/41/Type A guard N487793**		
Backing Flange N115381		
Type 1/41 abrasive cutting wheel		
Locking flange N452728		

Diamond Cutting Wheels

Type 1/41/Type A guard N487793**		
Backing Flange N115381		
Diamond cutting wheel		
Locking flange N452728		

Sanding Discs

Rubber backing pad DABP4RRS8**		
Sanding disc		
Sanding clamp nut (Included with rubber backing pad DABP4RRS8**)		

Hubbed Wheel Wrench

Hubbed wheel wrench
NS41784**



⚠ Type 1/41/Type A guards are intended for use with Type 1/41 cutting wheels and Type 27 wheels marked for cutting only. Grinding with wheels other than Type 27 and Type 29 require different accessory guards. Always use the smallest proper guard possible that does not contact the accessory.

**** NOTE:** Available at extra cost from your local dealer or authorized service center.

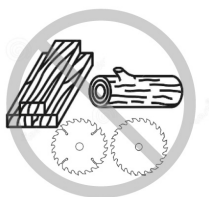
† NOTE: Type 28 depressed center wheels only.

Shrouds

Concrete Cutting Shroud
DWE46125 5"***



⚠ DANGER: Do not use for wood cutting or woodcarving. Do not use toothed blades of any kind. Serious injury can result.



**Compatible battery packs and chargers / Blocs-piles et chargeurs compatibles /
Baterías y cargadores compatibles**

Battery Packs Blocs-piles Baterías	DCB606, DCB609, DCB609G, DCB612, DCB615
Chargers Chargeurs Cargadores	DCB094, DCB102, DCB103, DCB104, DCB107, DCB112, DCB113, DCB115, DCB118, DCB132, DCB1102, DCB1104, DCB1106, DCB1112

- ⚠ WARNING:** Use of any other battery packs may create a risk of injury and fire.
- ⚠ AVERTISSEMENT :** utiliser d'autres blocs-piles peut créer un risque de blessure ou d'incendie.
- ⚠ ADVERTENCIA:** El uso de cualquier otro paquete de batería puede crear un riesgo de lesiones e incendio.

NOTE: DO NOT charge when the battery pack is below 40 ° F (4.5 ° C) or above 104 ° F (40 ° C). Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 104 ° F (40 ° C).

REMARQUE : NE PAS charger lorsque le bloc-piles est en dessous de 4,5 ° C (40 ° F) ou au-dessus de 40 ° C (104 ° F). Ne pas entreposer ou utiliser l'outil et le bloc-piles dans des endroits où la température peut atteindre ou excéder 40 ° C (104 ° F).

NOTA: NO cargue cuando el paquete de batería esté debajo de 4,5 ° C (40 ° F), o arriba de 40 ° C (104 ° F). No almacene ni use la herramienta y el paquete de baterías en lugares donde la temperatura pueda alcanzar o exceder los 40 ° C (104 ° F).

- * Maximum initial battery voltage (measured without a workload) is 20, 60 or 120 volts. Nominal voltage is 18, 54 or 108. (120V Max* is based on using 2 DEWALT 60V Max* lithium-ion batteries combined.)*
- * La tension initiale maximum du bloc-piles (mesurée à vide) est de 20, 60 ou 120 volts. La tension nominale est de 18, 54 ou 108. (120V max* se base sur l'utilisation combinée de 2 blocs-piles au lithium ion DEWALT de 60V max*.)*
- * El máximo voltaje inicial de la batería (medido sin carga de trabajo) es 20, 60 o 120 voltios. El voltaje nominal es de 18, 54 o 108V. (120V Máx* se basan en el uso de 2 baterías de iones de litio DEWALT de 60V Máx* combinadas.)*

PART NUMBER

DEWALT Industrial Tool Co., 701 East Joppa Road, Towson, MD 21286
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The following are trademarks for one or more DEWALT power tools: the yellow and black color scheme, the “D” shaped air intake grill, the array of pyramids on the handgrip, the kit box configuration, and the array of lozenge-shaped humps on the surface of the tool.