



Chicago Pneumatic

Safety Information

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Cordless grinders

CP8345 & CP8350

Valid from Serial No. 00001 - 99999

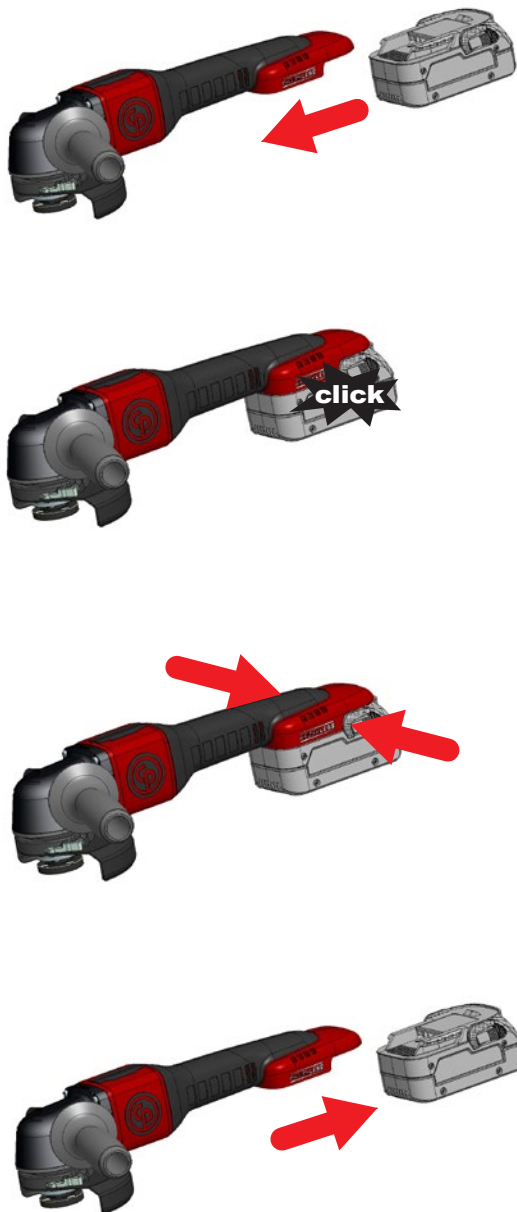


WARNING

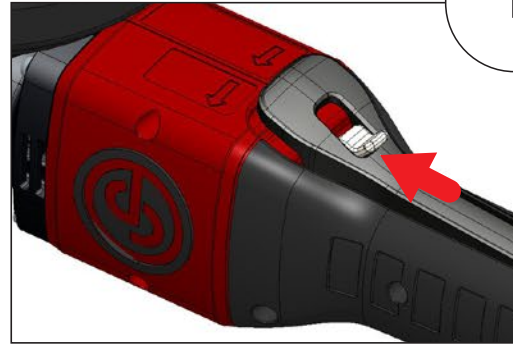
To reduce risk of injury, everyone using, installing, repairing, maintaining, changing accessories on, or working near this tool **MUST** read and understand these instructions before performing any such task.

DO NOT DISCARD - GIVE TO USER

START



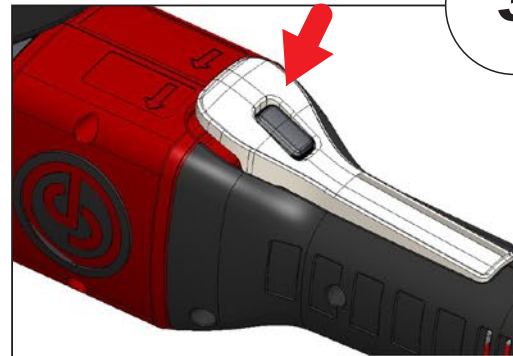
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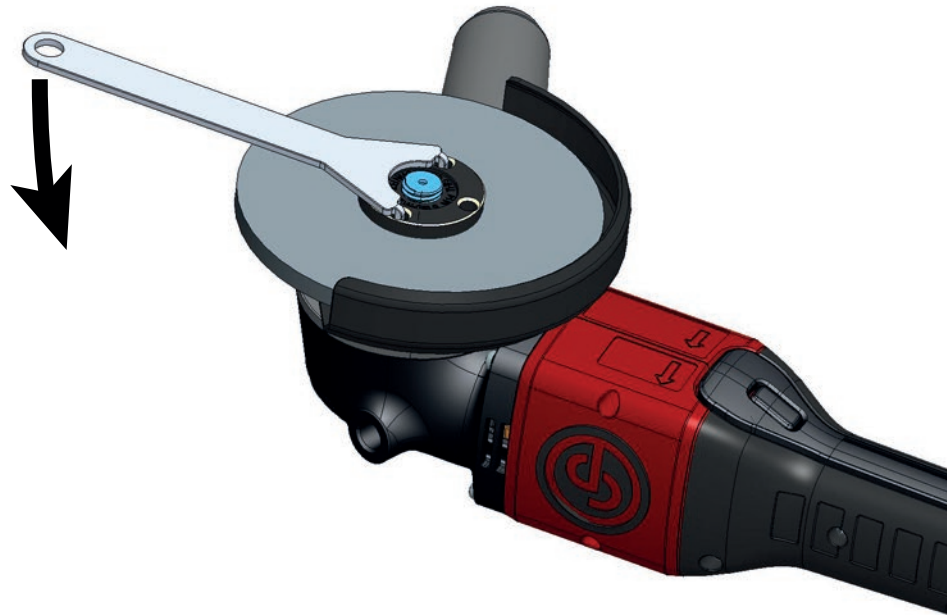
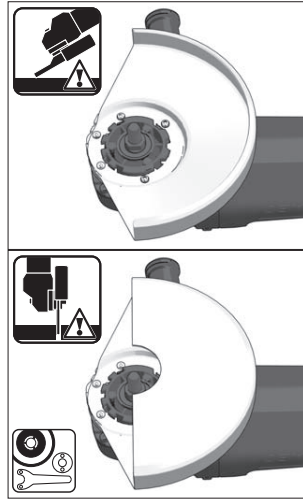


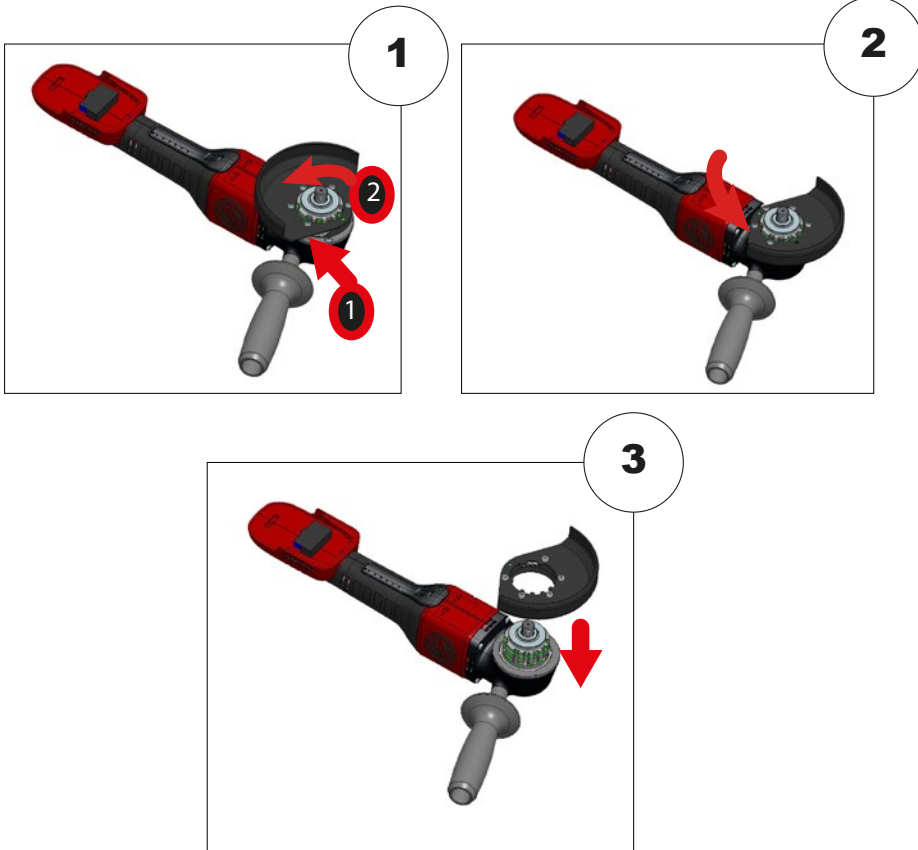
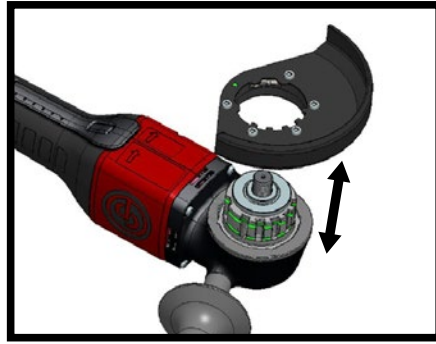
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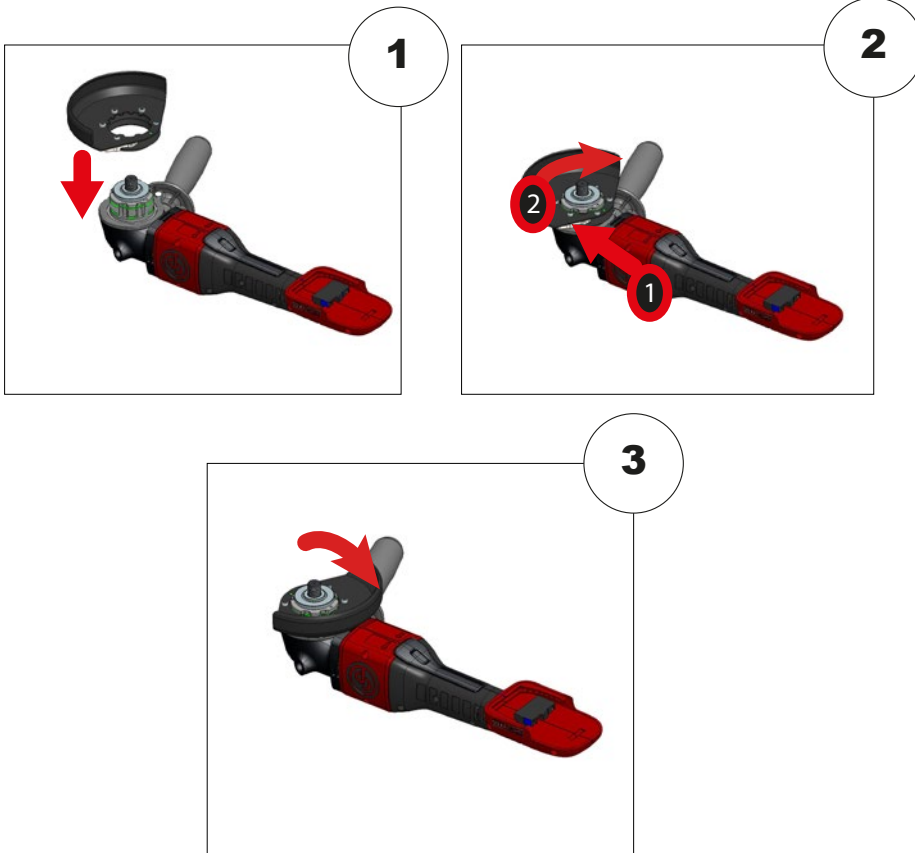


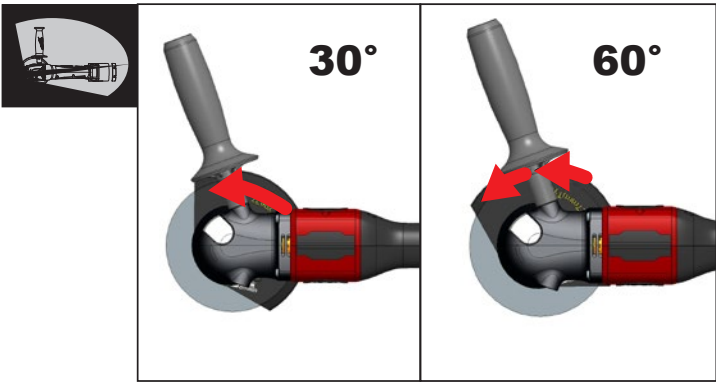
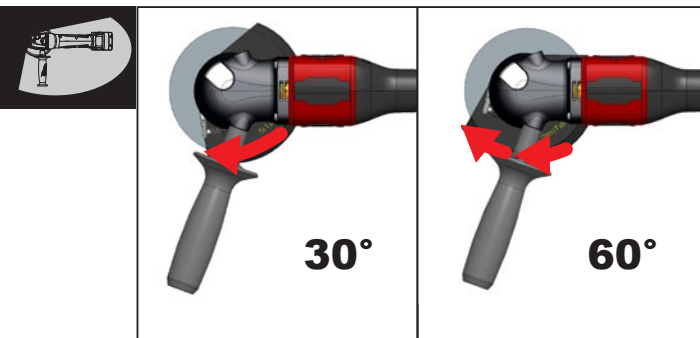
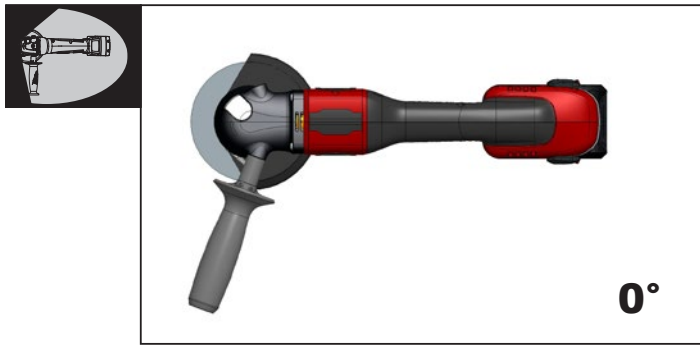
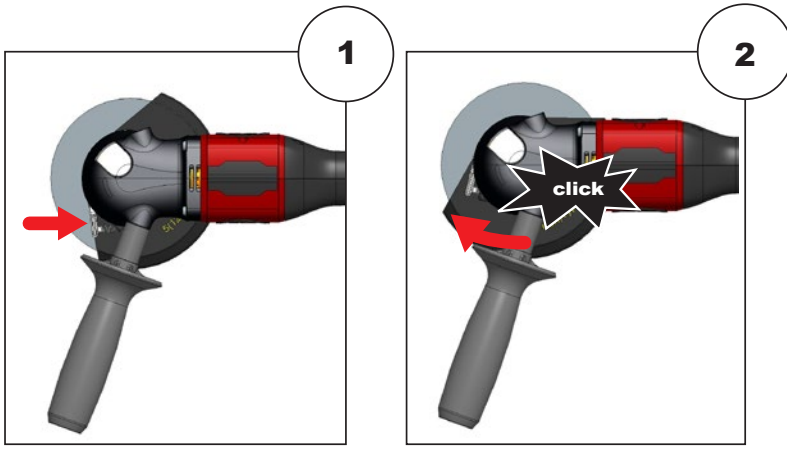
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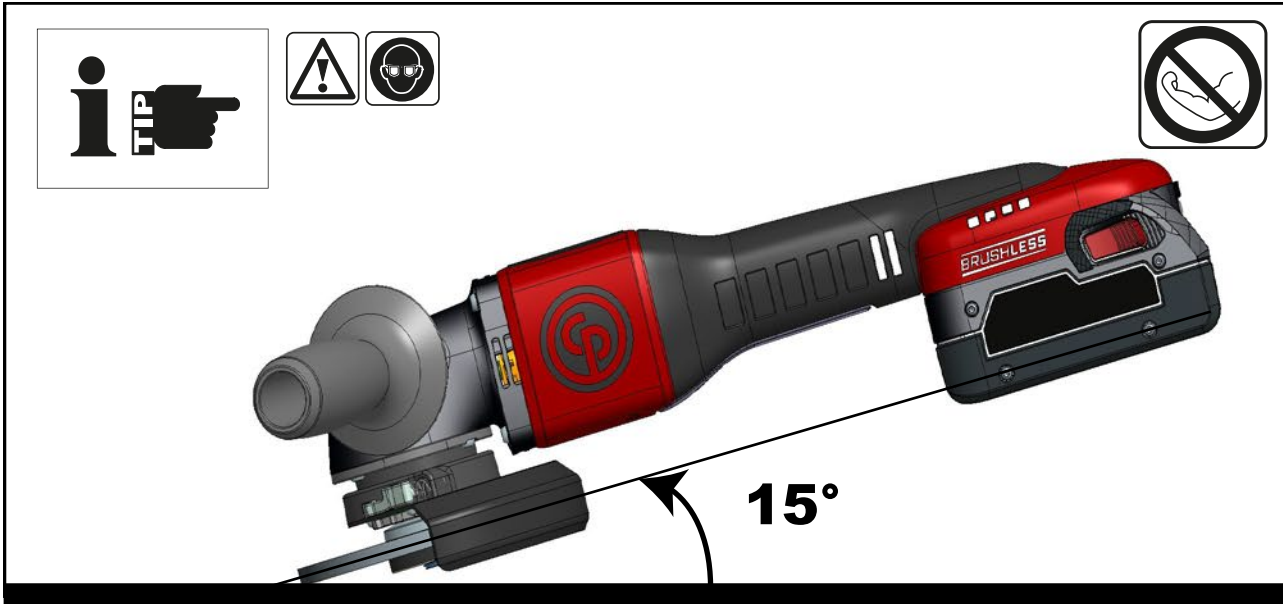


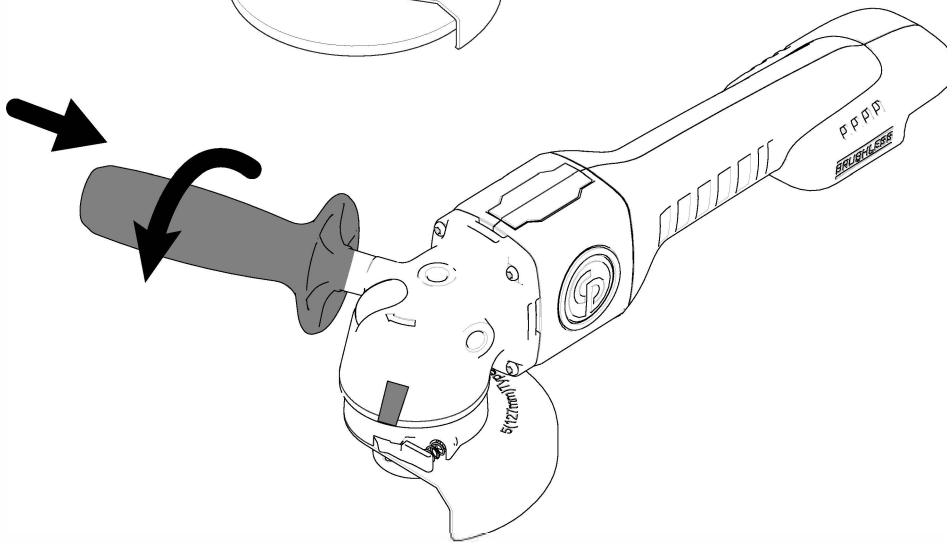
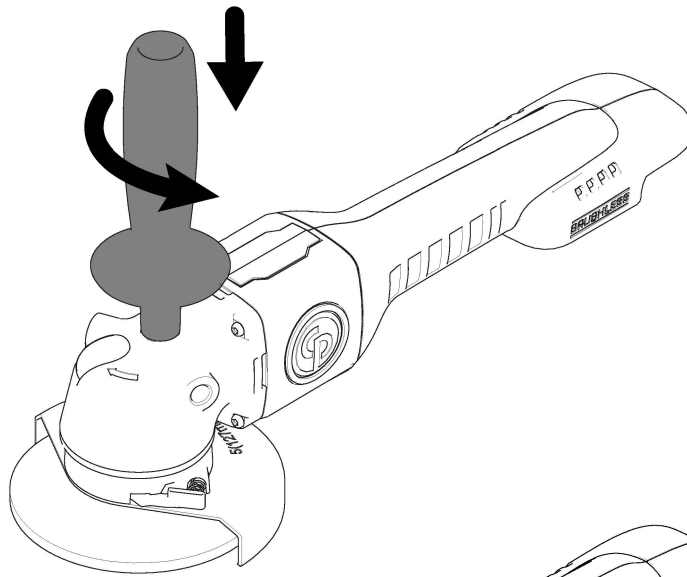
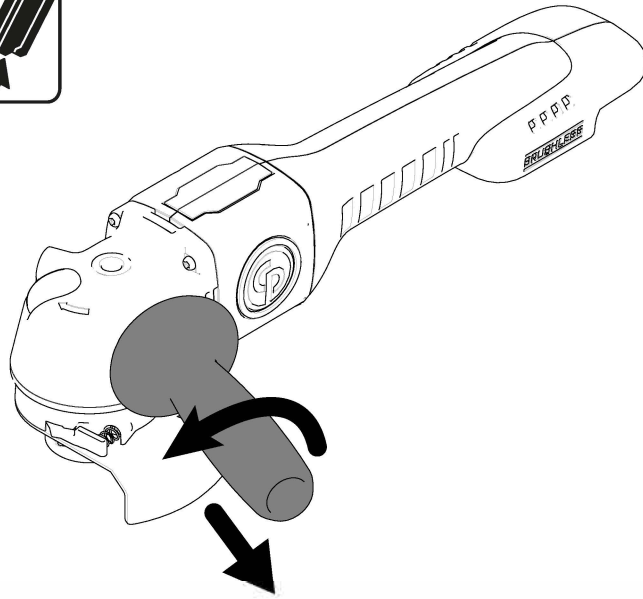






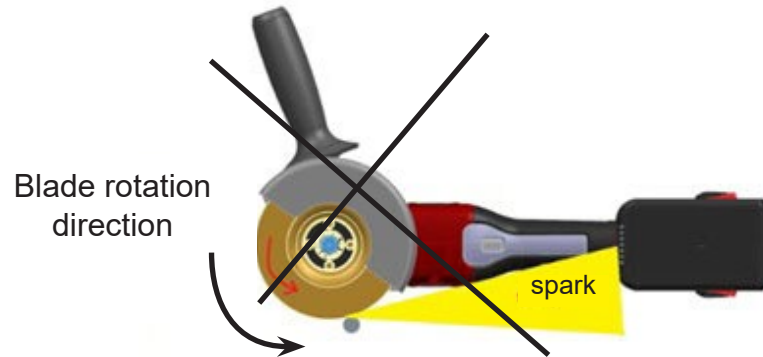




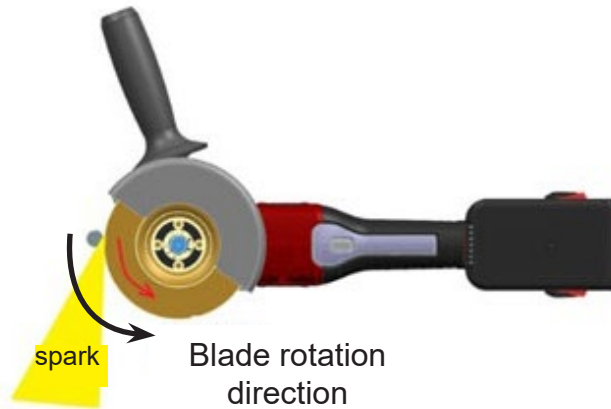




**WRONG
POSITION**



**GOOD
POSITION**



Technical data

Tool data

	CP8345	CP8350	EU / US
Free speed (rpm)	8500	8500	
Wheel size (in)	4.5"	5"	
Weight (kg)	2.5	2.6	
Spindle thread	5/8"	M14 / 5/8"	
Power (W)	750	750	
Power (hp)	1	1	
Battery voltage (V)	20	20	
Wheel size (mm)	115	125	
Weight (lb)	5.5	5.7	
Thickness of grinding wheel (mm)	6	6	
Accessory type :			
Grinding wheel		Type 27	
Cutting wheel		Type 41	



Declarations

EU DECLARATION OF CONFORMITY

We, **CHICAGO PNEUMATIC Tool Co. LLC**, 1815 Clubhouse Road, Rock Hill, SC 29730, declare under our sole responsibility that the product (with name, type and serial number, see front page) is in conformity with the following Directive(s):

2006/42/EC, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU

Harmonised standards applied:
EN 60745-1:2009+A11:2010,

EN60745-2-3:2011+A2:2013+A11:2014+A12:2014+A13:2015, EN55014-1:2017,

EN 55014-2:2015, EN 50581:2012

Relevant technical information can be requested by authorities only from:

Pascal Roussy, R&D Manager, CP Technocenter,
38 rue Bobby Sands, BP10273 44800 Saint Herblain, France

Place & Date : Saint-Herblain, 04/2017

Pascal ROUSSY

Signature of issuer

Noise and vibration

	CP8345	CP8350
Sound pressure level (dB(A))	78	78
Sound power level (dB(A))	89	89
	UL	EN
	60745-2-3	60745-2-3

Uncertainty K=3 dB(A)

	CP8345	CP8350
Vibration standard	UL 60745-2-3	EN 60745-2-3
Vibration value (m/s ²)	6.8	6.8
Vibration uncertainty (K) (m/s ²)	1.5	1.5

The vibration emission given in this information sheet has been measured in accordance with a standardized test given in EN 60745 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure.

The declared vibration 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 emission may differ. This may significantly increase the exposure level over the total working period.

An estimation of the level of exposure to vibration should also take 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 such as : maintain the tool and the accessories, keep the hands warm, organization of work patterns.

These declared values were obtained by laboratory type testing in accordance with the stated standards and are suitable for comparison with the declared values of other tools tested in accordance with the same standards. These declared values are not adequate for use in risk assessments and values measured in individual work places may be higher. The actual exposure values and risk of harm experienced by an individual user are unique and depend upon the way the user works, the workpiece and the workstation design, as well upon the exposure time and the physical condition of the user.

We, **CHICAGO PNEUMATIC Tool Co. LLC**, cannot be held liable for the consequences of using the declared values, instead of values reflecting the actual exposure, in an individual risk assessment in a work place situation over which we have no control.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed. An EU guide to managing hand-arm vibration can be found by accessing <http://www.pneurop.eu/index.php> and selecting 'Tools' then 'Legislation'.

We recommend a programme of health surveillance to detect early symptoms which may relate to noise or vibration exposure, so that management procedures can be modified to help prevent future impairment.

 If this equipment is intended for fixtured applications:

The noise emission is given as a guide to the machine-builder. Noise and vibration emission data for the complete machine should be given in the instruction manual for the machine.

Safety

WARNING Risk of Property Damage or Severe Injury

Ensure that you read, understand and follow all instructions before operating the tool. Failure to follow all the instructions may result in electric shock, fire, property damage and/or severe bodily injury.

- ▶ Read all Safety Information delivered together with the different parts of the system.
- ▶ Read all Product Instructions for installation, operation and maintenance of the different parts of the system.
- ▶ Read all locally legislated safety regulations regarding the system and parts thereof.
- ▶ Save all Safety Information and instructions for future reference.

Intended use

The angle grinder is intended to be used only by adults who have read and understood the instructions and warnings in this manual and can be considered responsible for their actions. The angle grinder is designed for grinding and cutting metals and cutting concrete. Only appropriate grinding or cutting discs and related guards (grinding guard or cutting guard) as described in the product specification section of this manual should be fitted to the angle grinder. The angle grinder is designed for handheld use; it is not to be mounted onto a fixture or workbench.

Do not use the product in any way other than those stated for intended use.

Statement of use

This product is designed for removing material using abrasives. No other use permitted. For professional use only.

Product specific instructions

Battery

Battery packs which have not been used for some time should be recharged before use. Temperatures in excess of 50°C (122°F) reduce the performance of the battery pack. Avoid extended exposure to heat or sunshine (risk of overheating). The contacts of chargers and battery packs must be kept clean.

For an optimum life-time, the battery packs have to be fully charged, after used. To obtain the longest possible battery life remove the battery pack from the charger once it is fully charged.

Transport & Storage

Lithium-ion batteries are subject to the Dangerous Goods Legislation requirements. Transportation of those batteries has to be done in accordance with local, national and international provisions and regulations.

- The user can transport the batteries by road without further requirements.
- Commercial transport of Lithium-Ion batteries by third parties is subject to Dangerous Goods regulations. Transport preparation and transport are exclusively to be carried out by appropriately trained persons and the process has to be accompanied by corresponding experts.

When transporting batteries:

- Ensure that battery contact terminals are protected and insulated to prevent short circuit.
- Ensure that battery pack is secured against movement within packaging.

For battery pack storage longer than 30 days:

- Store the battery pack where the temperature is below 27°C and away from moisture
- Store the battery packs in a 30% - 50% charged condition.
- Every six months of storage, charge the pack as normal

Operation

- For accessories intended to be fitted with threaded hole wheel, ensure that the thread in the wheel is long enough to accept the spindle length.

- Always use and store the cutting and grinding disks according to the manufacturer's instructions.
- Always use the correct guard for cutting and grinding. Always use guard with cutting guide from the accessories range for cutting stone.
- The grinding surface of the center depressed wheels must be mounted min. 2 mm below the plane of the guard lip.
- Always use the auxiliary handle. The work-piece must be fixed if it is not heavy enough to be steady.
- The adjusting nut must be tightened before starting to work with the machine.

Never move the workpiece towards the rotating disk by hand.

Maintenance instructions

- **Follow local country environmental regulations for safe handling and disposal of all components.**
- Maintenance and repair work must be carried out by qualified personnel using only original spare parts. Contact the manufacturer or your nearest authorised dealer for advice on technical service or if you require spare parts.
- Always ensure that the machine is disconnected from energy source to avoid accidental operation.
- Disassemble and inspect the tool every three 3 months if the tool is used every day. Replace damaged or worn parts.
- To keep downtime to a minimum, the following service kit is recommended : **Tune-up kit**
- Do not at any time let brake fluids, gasoline, petroleum based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which could result in serious personal injury.
- Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and can be damaged by their use. Use clean clothes to remove dirt, dust, oil, grease, etc.

Safety instructions

Our goal is to produce tools that help you work safely and efficiently. The most important safety device for this or any tool is YOU. Your care and good judgement are the best protection against injury. All possible hazards cannot be covered here, but we have tried to highlight some of the important ones. Only qualified and trained operators should install, adjust or use this power tool.

For additional safety information consult:

- Other documents and information packed with this tool.
- Your employer, union and / or trade association.
- Further occupational health and safety information can be obtained from the following web sites:
 - <http://www.osha.gov> (USA)
 - <https://osha.europa.eu/> (Europe)

DO NOT DISCARD – GIVE TO USER

General Power Tool Safety Warnings

⚠ WARNING Read all safety warnings and all instructions. Failure to follow the warnings and instructions 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.

Work area safety

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **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.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical safety

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

Personal safety

- **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.
- **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.
- **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.

- **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.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **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.
- **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

Power tool use and care

- **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.
- **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.
- **Disconnect the plug from the power source and/or the battery pack 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.
- **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.
- **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

- **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.

Battery tool use and care

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

Service

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

Safety Warnings Common for Grinding or Abrasive

Cutting-Off Operations:

- **This power tool is intended to function as a grinder 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.

- **Operations such as grinding or cutting-off 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.
- **Do not use accessories which are not specifically designed and recommended by the tool manufacturer.** Just because the accessory can be attached to your power tool, it does not assure safe operation.
- **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.
- **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.
- **Threaded mounting of accessories must match the grinder spindle thread. For accessories mounted by flanges, the arbour 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.
- **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.
- **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 operations. The dust mask or respirator must be capable of

filtrating particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.

- **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.
 - **Hold the power tool by insulated gripping surfaces only, when performing an operation where the cutting tool may contact hidden wiring.** Contact with a “live” wire will also make exposed metal parts of the power tool “live” and could give the operator an electric shock.”
- 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.
- **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.
 - **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.
 - **Do not operate the power tool near flammable materials.** Sparks could ignite these materials.
 - **Do not use accessories that require liquid coolants.** Using water or other liquid coolants may result in electrocution or shock.

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.

- **Maintain a firm grip on the power tool and position your body and arm 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.
- **Never place your hand near the rotating accessory.** Accessory may kickback over your hand.
- **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.
- **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.
- **Do not attach a saw chain woodcarving blade or toothed saw blade.** Such blades create frequent kickback and loss of control.

Safety Warnings Specific for Grinding and Abrasive Cutting-Off Operations:

- **Use only wheel types that are recommended 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.
- **The grinding surface of centre 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.
- **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 could ignite clothing.

- **Wheels must be used only for recommended 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.
- **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.
- **Do not use worn down wheels from larger power tools.** Wheel intended for larger power tool is not suitable for the higher speed of a smaller tool and may burst.

Additional Safety Warnings Specific for Abrasive Cutting-Off Operations:

- **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.
- **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.
- **When wheel is binding or when interrupting a cut for any reason, switch off the power tool and hold the power tool 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.
- **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.

- **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.
- **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.

Additional Safety Rules for grinders and sanders

Operating hazards

- **Operators and maintenance personnel must be physically able to handle the bulk, weight and power of the tool.**
- **Ensure that the workpiece is securely fixed.**
- **Ensure sparks do not land on clothing. Wear fire-retardant clothing and have a bucket of water nearby.** Grinding sparks can ignite clothing and cause severe burns.
- **There is a risk of electrostatic discharge if used on plastic and other non-conductive materials.**
- **Potentially explosive atmospheres can be caused by dust and fumes resulting from sanding or grinding.** Always use dust extraction or suppression systems which are suitable for the material being processed.

Projectile hazards

- **A grinding wheel that bursts can cause very serious injury or death.**
- **Ensure that the abrasive is securely clamped to the grinder using the tools provided.**
- **This tool and its accessories must not be modified in any way.**

Abrasive mounting hazards

- **Avoid mismatch between UNC and metric threads.**
- **Grinding wheels should be a free fit on the spindle to prevent stress at the hole. Do not use reducing bushes to fit large hole grinding wheels.**

- **Use only flanges that come with the grinder for mounting the grinding wheel. Flat washers or other adapters may over stress the wheel.** Always use heavy paper blotter discs between the flanges and the grinding wheel.
- **If several flanges are supplied to fit different sizes and types of abrasive, always fit the correct flange(s) for the abrasive being used.**
- **When mounting cups, cones or plugs with threaded holes, the spindle end must not contact the bottom of the hole as it will stress the abrasive.**
- **Tighten the wheel on the spindle to prevent spin off when the grinder is turned off.**

Repetitive motion hazards

- **When using a power tool to perform work-related activities, the operator might experience discomfort in the hands, arms, shoulders, neck, or other parts of the body.**
- **Adopt a comfortable posture whilst maintaining secure footing and avoiding awkward or off-balance postures.** Changing posture during extended tasks can help avoid discomfort and fatigue.
- **Do not ignore symptoms such as persistent or recurring discomfort, pain, throbbing, aching, tingling, numbness, burning sensation, or stiffness.** Stop using the tool, tell your employer and consult a physician.

Noise and Vibration hazards

- **High sound levels can cause permanent hearing loss and other problems such as tinnitus.** Use hearing protection as recommended by your employer or occupational health and safety regulations.
- **Exposure to vibration can cause disabling damage to the nerves and blood supply of the hands and arms.** Wear warm clothing and keep your hands warm and dry. If numbness, tingling, pain or whitening of the skin occurs, stop using tool, tell your employer and consult a physician.
- **Hold the tool in a light but safe grip because the risk from vibration is generally greater when the grip force is higher.** Where possible support the weight of the tool with a balancer.
- **To prevent unnecessary increases in noise and vibration levels:**

- Operate and maintain the tool, and select, maintain and replace the accessories and consumables, in accordance with this instruction manual;
- Use damping materials to prevent workpieces from “ringing.”

Workplace hazards

- **Slip/Trip/Fall is a major cause of serious injury or death.** Cluttered areas and benches invite injuries.
- **Avoid inhaling dust or fumes or handling debris from the work process which can cause ill health (for example, cancer, birth defects, asthma and/or dermatitis).** Use dust extraction and wear respiratory protective equipment when working with materials which produce airborne particles.
- **Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.** Some examples of these chemicals are:
 - Lead from lead based paints
 - Crystalline silica bricks and cement and other masonry products
 - Arsenic and chromium from chemically-treated rubber

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 dust masks that are specially designed to filter out microscopic particles.

- **Proceed with care in unfamiliar surroundings.** Hidden hazards may exist, such as electricity or other utility lines. This tool is not insulated from coming into contact with electric power sources.
- **This tool is not intended for use in potentially explosive atmospheres.**

Additional safety warnings

WARNING

Always check that the spindle lock button is fully released before switching on the product.

- **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.
- **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130 °C may cause explosion.
- 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. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principals. A careless action can cause severe injury within a fraction of a second.

Residual Risks

Even when the angle grinder is used as prescribed, it is still impossible to completely eliminate certain residual risk factors. The following hazards may arise and the operator should pay special attention to avoid the following:

- Injury caused by thrown-off particles.
 - Metal or abrasive particles may enter the eyes and cause severe permanent damage. Wear goggles approved for grinding operations whenever you use the product
- Injury caused by vibration.
 - Limit exposure. See Risk Reduction.
- Injury caused by dust.
 - Wear appropriate dust control mask with filters suitable for protecting against particles from the material being worked on and abrasive particles from the grinding disc. Do not eat, drink, or smoke in the work area. Ensure adequate ventilation.
- Injury from contact with the grinding disc.

- The disc and workpiece will become hot during use. Wear gloves when changing discs or touching workpiece. Keep hands away from the grinding area at all times. Clamp the workpiece whenever possible.
- Injury caused by noise.
 - Prolonged exposure to noise will increase the risk of hearing damage, and the effects are cumulative. When using power tools for any extended period of time, wear hearing protection.










Injuries may be caused or aggravated by prolonged use of a tool. When using any tool for prolonged periods, ensure you take regular breaks.

Specified conditions of use

The angle grinder may be used for cutting-off, grinding and wire brushing a wide range of materials, such as metal or stone. If you have any doubts, please refer to the instructions supplied by the accessory manufacturer.

Do not use this product in any other way as stated for normal use.

Symbols

-  CAUTION! WARNING! DANGER!
-  Remove the battery pack before starting any work on the machine.
-  Please read the instructions carefully before starting the machine.
-  Always wear goggles when using the machine.
-  Wear gloves!
-  Do not use force.
-  Only for grinding.
-  Only for cutting work.
-  Accessory - Not included in standard equipment, available as an accessory.



Do not dispose of electric tools together with household waste material. Electric tools and electronic equipment that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility. Check with your local authority or retailer for recycling advice and collection point.



European Conformity Mark



National mark of conformity Ukraine



EurAsian Conformity Mark.



Korean Conformity Mark

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Rated speed