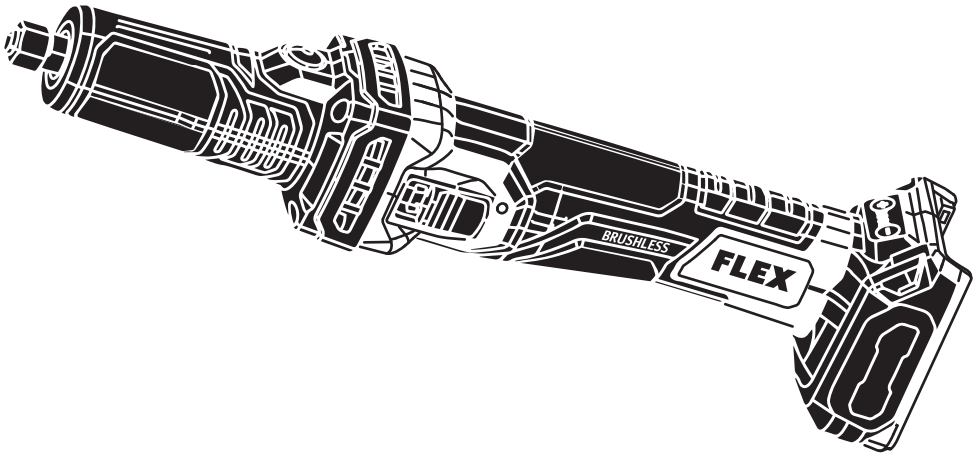
FLEX

OPERATOR'S MANUAL



Model: FXA3211

24V BRUSHLESS 1/4" DIE GRINDER

⚠ WARNING: To reduce the risk of injury, the user must read and understand the Owner's Manual before using this product. Save these instructions for future reference.

Please contact FLEX customer service in Australia 1300 000 346 or New Zealand 0508 000 346 any time you have questions or warranty claims.

SAFETY SYMBOLS

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols and the explanations with them deserve your careful attention and understanding. The symbol warnings do not, by themselves, eliminate any danger. The instructions and warnings they give are no substitutes for proper accident prevention measures.

⚠ WARNING Be sure to read and understand all safety instructions in this Operator's Manual, including all safety alert symbols such as "**DANGER**," "**WARNING**," and "**CAUTION**" before using this tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.	
	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
⚠ DANGER	DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.
⚠ WARNING	WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.
⚠ CAUTION	CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, will result in minor or moderate injury.

IMPORTANT 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.

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 a 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 energizing 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 jewelry. Keep your hair and clothing away from moving parts. Loose clothes, jewelry 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.

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.

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 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.

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 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.

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.

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.

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.

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.

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.

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.

Do not modify or attempt to repair the appliance or the battery pack (as applicable) except as indicated in the instructions for use and care.

SAFETY WARNINGS FOR DIE GRINDER

Safety instructions for all operations

Safety warnings common for grinding, sanding, wire brushing, polishing, carving or abrasive cutting-off operations:

- **This power tool is intended to function as a grinder, sander, wire brush, polisher, carving 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.
- **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 accessories 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 controlled.
- **The arbor size of wheels, sanding drums or any other accessory must properly fit the spindle or collet 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.
- **Mandrel mounted wheels, sanding drums, cutters or other accessories must be fully inserted into the collet or chuck.** If the mandrel is insufficiently held and/or the overhang of the wheel is too long, the mounted wheel may become loose and be ejected at high velocity.
- **Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, sanding drum 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 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.
- **Always hold the tool firmly in your hand(s) during the start-up.** The reaction torque of the motor, as it accelerates to full speed, can cause the tool to twist.
- **Use clamps to support workpiece whenever practical. Never hold a small workpiece in one hand and the tool in the other hand while in use.** Clamping a small workpiece allows you to use your hand(s) to control the tool. Round material such as dowel rods, pipes or tubing have a tendency to roll while being cut, and may cause the bit to bind or jump toward you.
- **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.

- **After changing the bits or making any adjustments, make sure the collet nut, chuck or any other adjustment devices are securely tightened.** Loose adjustment devices can unexpectedly shift, causing loss of control, loose rotating components will be violently thrown.
- **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.
- **Store accessories in a cool dry place and avoid freezing.** Before use check accessory for cracks and fractures, do not use if damage is suspected.

Further safety instructions for all operations

Kickback and related warnings

Kickback is a sudden reaction to a pinched or snagged rotating wheel, sanding band, 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.

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.** The operator can control kickback forces, if proper precautions are taken.
- **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 toothed saw blade.** Such blades create frequent kickback and loss of control.
- **Always feed the bit into the material in the same direction as the cutting edge is exiting from the material (which is the same direction as the chips are thrown).** Feeding the tool in the wrong direction causes the cutting edge of the bit to climb out of the work and pull the tool in the direction of this feed.
- **When using rotary files, cut-off wheels, high-speed cutters or tungsten carbide cutters, always have the workpiece securely clamped.** These wheels will grab if they become slightly canted in the groove, and can kickback. When a cut-off wheel grabs, the wheel itself usually breaks. When a rotary file, high-speed cutter or tungsten carbide cutter grabs, it may jump from the groove and you could lose control of the tool.

Additional safety instructions for grinding and cutting-off operations

Safety warnings specific for grinding and abrasive cutting-off operations:

- **Use only wheel types that are recommended for your power tool and only for recommended applications. For example: do not grind with the side of a cut-off wheel.** Abrasive cut-off wheels are intended for peripheral grinding, side forces applied to these wheels may cause them to shatter.
- **For threaded abrasive cones and plugs use only undamaged wheel mandrels with an unrelieved shoulder flange that are of correct size and length.** Proper mandrels will reduce the possibility of breakage.

- **Do not "jam" a 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 snagging of the wheel in the cut and the possibility of kickback or wheel breakage.
- **Do not position your hand in line with and behind the rotating wheel.** When the wheel, at the point of operation, is moving away from your hand, the possible kickback may propel the spinning wheel and the power tool directly at you.
- **When wheel is pinched, snagged 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 pinching or snagging.
- **Do not restart the cutting operation in the workpiece. Let the wheel reach full speed and carefully reenter 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 instructions for wire brushing operations

Safety warnings specific for wire brushing operations:

- **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.
- **Allow brushes to run at operating speed for at least one minute before using them. During this time no one is to stand in front or in line with the brush.** Loose bristles or wires will be discharged during the run-in time.
- **Direct the discharge of the spinning wire brush away from you.** Small particles and tiny wire fragments may be discharged at high velocity during the use of these brushes and may become imbedded in your skin.
- The maximum recommended diameter of mounted wheels, threaded cones and plugs shall not exceed 2-5/32" (55 mm) and that the maximum recommended diameter of sanding accessories shall not exceed 3-5/32" (80 mm).

SYMBOLS

IMPORTANT: Some of the following symbols may be used on your tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

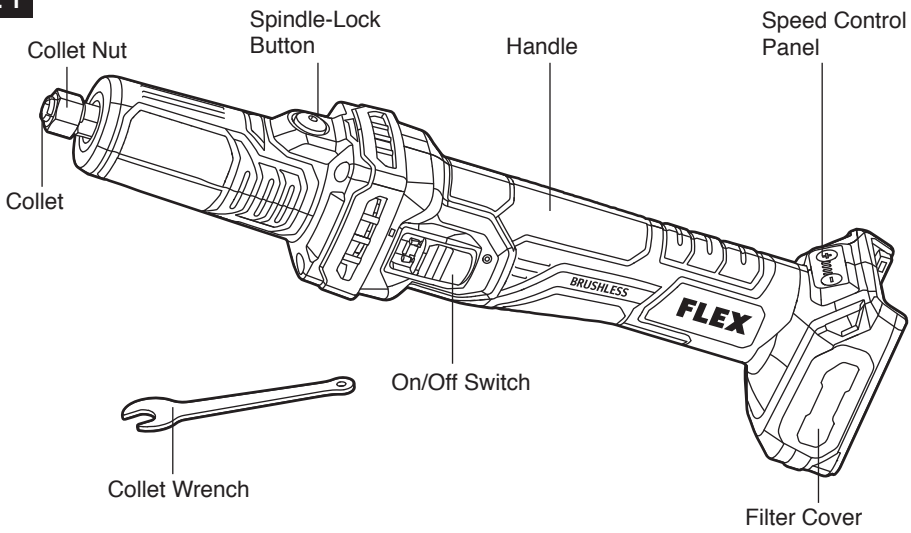
Symbol	Name	Designation/Explanation
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
kg	Kilograms	Weight
min	Minutes	Time
s	Seconds	Time
Wh	Watt-hours	Battery capacity
Ah	Ampere-hours	Battery capacity
ø	Diameter	Size of drill bits, grinding wheels, etc.
n_0	No load speed	Rotational speed, at no load
n	Rated speed	Maximum attainable speed
…/min	Revolutions or reciprocations per minute (rpm)	Revolutions, strokes, surface speed, orbits, etc. per minute
O	Off position	Zero speed, zero torque...
1,2,3,… I,II,III,	Selector settings	Speed, torque, or position settings. Higher number means greater speed
0	Infinitely variable selector with off	Speed is increasing from 0 setting
→	Arrow	Action in the direction of arrow
~	Alternating current (AC)	Type or a characteristic of current
⎓	Direct current (DC)	Type or a characteristic of current
≂	Alternating or direct current (AC / DC)	Type or a characteristic of current
⧈	Class II tool	Designates Double Insulated Construction tools.
	Disposal information for the old machine	Do not throw electric power tools into the household waste!
	Read the instructions	Alerts user to read manual
	Wear eye protection symbol	Alerts user to wear eye protection

Symbol	Name	Designation/Explanation
	Wear ear protection symbol	Alerts user to wear ear protection
	Regulatory compliance mark	This product complies with applicable Australian standards.

FUNCTIONAL DESCRIPTIONS AND SPECIFICATIONS

DIE GRINDER

Fig. 1



Model No.	FXA3211
Rated Voltage	24V d. c.
No-load Speed	10000/16000/22000/28000 /min (RPM)
Collet Capacity	6.35 mm (1/4")
Recommended operating temperature	-20 – 40°C
Recommended storage temperature	<50°C

Intended Use

This tool is intended for grinding, cutting, polishing and wire brushing of wood, plastic and metal.

⚠ WARNING **Detach the battery pack from the tool before performing any assembly or adjustments, or changing accessories.** Such preventive safety measures reduce the risk of starting the tool accidentally.

TO ATTACH/DETACH BATTERY PACK (FIG. 2)

To attach the battery pack:

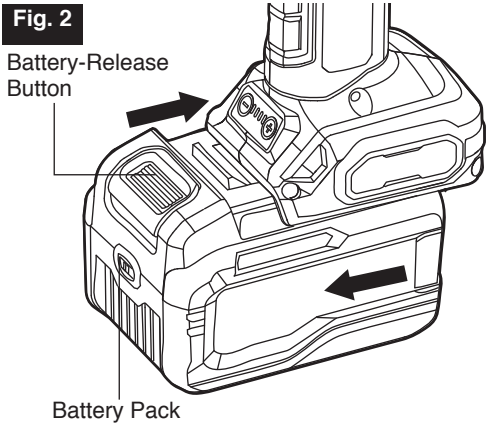
Align the raised rib on the battery pack with the grooves in the tool, and then slide the battery pack onto the tool.

NOTICE: When placing the battery pack onto the tool, be sure that the raised rib on the battery pack aligns with the groove inside the tool and that the latches snap into place properly. Improper attachment of the battery pack can cause damage to internal components.

To detach the battery pack:

Depress the battery-release button located on the front of the battery pack, to release the battery pack. Pull the battery pack out and remove it from the tool.

Fig. 2



INSTALL AND REMOVE ACCESSORIES (FIG. 3, 4 AND 5)

⚠ WARNING **Always be sure that the tool is switched off and the battery pack is removed before carrying out any work on the tool.**

⚠ WARNING **Only use accessories with shanks that match the installed collet.** Smaller shanks will not be secure and could become loose during operation. Ensure that the accessories used meet the working conditions.

⚠ WARNING **Danger of burns!** The accessories will become hot during use. Wear gloves when changing accessories.

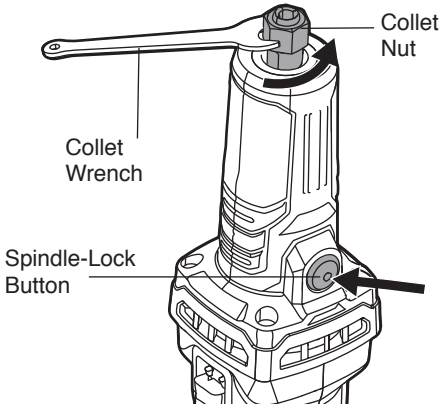
To install the accessory

a. Remove the battery pack.

b. Clean the grinding spindle and all the parts to be fitted.

c. Press the spindle-lock button, loosen the collet nut using the collet wrench and turning it counterclockwise (Fig. 3).

Fig. 3



d. Insert the accessory all the way into the collet.

e. Exposed shaft length cannot be more than 10 mm. The shank of the accessory must be inserted at least 20 mm into the collet (Fig. 4).

f. Press the spindle-lock button, securely tighten the clamping nut using the collect wrench and turning it clockwise (Fig. 5).

NOTICE: To prevent damage to collet, avoid excessive tightening of the collet nut when there is no accessory inserted.

To remove the accessory

a. Press the spindle-lock button, loosen the collet nut by using collet wrench and turning it counterclockwise (Fig. 3).

b. Pull the accessory out.

⚠ WARNING Use protective gloves when removing the accessory from the tool, or first allow it to cool down. The accessory may be hot after prolonged use.

⚠ WARNING Do not start the machine when the clamping nut is not secured to avoid objects flying out and causing injuries and property damage.

Fig. 4

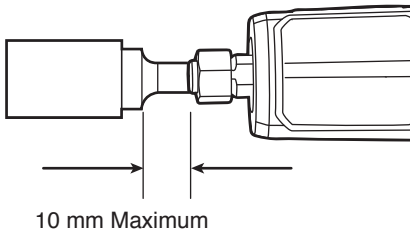
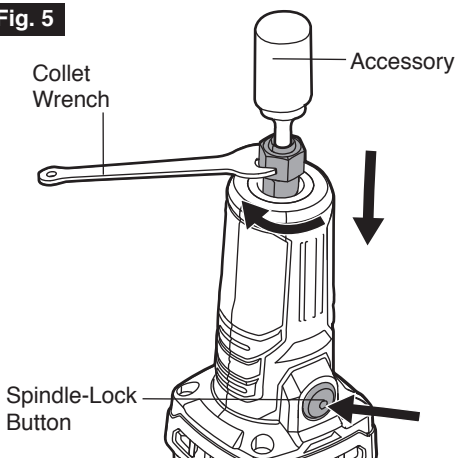


Fig. 5



CHANGING THE COLLET NUT (FIG. 6)

a. Remove the battery pack.

b. Press the spindle-lock button, loosen the collet nut using the collet wrench and turning it counterclockwise (Fig. 3).

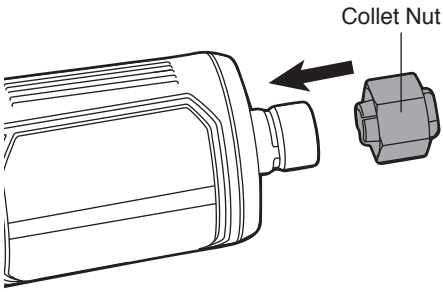
c. Remove the collet nut from the spindle.

d. Position the new collet nut onto the spindle (Fig. 6).

e. Press the spindle-lock button, securely tighten the clamping nut using an open-ended spanner and turning it clockwise (Fig. 5).

NOTICE: To prevent damage to collet, avoid excessive tightening of the collet nut when there is no accessory inserted.

Fig. 6



FILTER COVER (FIG. 7)

Using the filter cover will protect the interior of the tool from debris and extend the life of the tool.

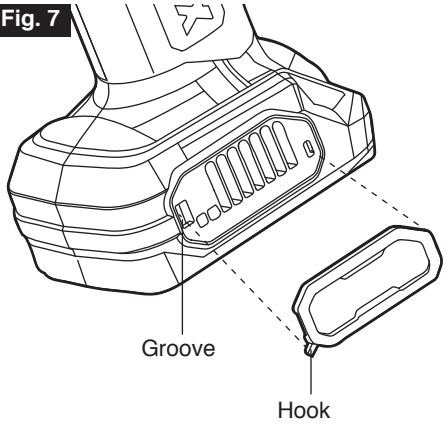
a. Remove the battery pack.

b. To attach the filter cover, snap the hook of one section of the filter cover into the groove at tool's foot first, and then press the other end into the other groove.

c. To remove the filter cover, pry the filter cover away from the tool.

d. To clean the filter cover, tap it against a hard surface or blow it clean with compressed air.

Fig. 7



SPEED SELECTION (FIG. 8)

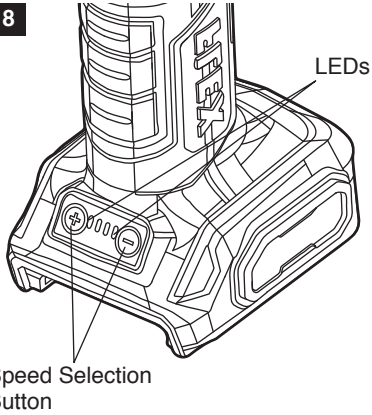
Your tool features a speed control panel with memory function. After turning the tool off, the tool will revert to the previous setting the next time it is turned on.

Use the + or – speed selection button to increase or decrease the speed. Each press changes the speed by one level. The table below shows the relationship between rotational speed and the number of LEDs that shine on the speed control panel.

The Number of LEDs ON OFF	Speed (RPM)
▮ □ □ □	10000
▮ ▮ ▮ □	16000
▮ ▮ ▮ □	22000
▮ ▮ ▮ ▮	28000

⚠ WARNING To reduce the risk of loss of control, do not adjust the speed while the tool is running.

Fig. 8



⚠ WARNING To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your charger or battery pack in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach-containing products, etc. can cause a short circuit.

⚠ WARNING If any parts are damaged or missing, do not operate this product until the parts are replaced. Use of this product with damaged or missing parts could result in serious personal injury.

⚠ WARNING To prevent accidental starting that could cause serious personal injury, always remove the battery pack from the tool when assembling parts.

This die grinder must be used only with the FLEX 24V series battery packs and chargers.

NOTICE: Please refer to the battery pack and charger manuals for detailed operating information.

SWITCH BUTTON (FIG. 9)

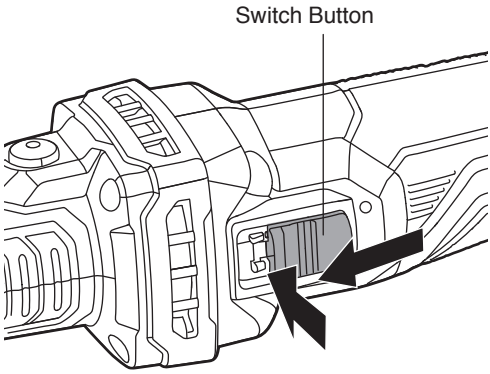
The tool can be turned “ON” with the switch button, located at the side of the motor housing.

The switch button can be locked in the “ON” position, a convenience for long grinding operations.

To turn the tool “ON” without locking it:

Slide the switch button forward by applying pressure ONLY at the REAR portion of the button.

Fig. 9



When pressure is released the switch button will snap back to the “OFF” position.

To lock the switch “ON”:

Slide the switch button forward, then press on the FRONT portion of the button.

To unlock the switch:

Simply press and release the REAR portion of the button. The switch is spring loaded and will snap back automatically.

ACCESSORIES

Points, cones, plugs, grinding wheels and cut-off wheels should be protected from:

- Wetness and extreme humidity.
- Any type of solvent.
- Extreme changes in temperature.
- Dropping and bumping.

Points, cones, plugs, grinding wheels and cut-off wheels should be stored:

- In an organized way so points, cones, plugs or wheels can be removed without disturbing or damaging other points, cones, plugs or wheels
- With their safety information.

Points, cones, plugs, grinding wheels and cut-off wheels should NOT be dropped, rolled or bumped.

Discard points, cones, plugs, or wheels that have been dropped, rolled, bumped, subjected to extreme changes in temperature, or come into contact with solvents or wetness.

⚠ WARNING **Contact a distributor to buy only recommended accessories, others may be hazardous.**

GENERAL APPLICATION (FIG. 10)

⚠ WARNING **Always wear safety goggles or safety glasses with side shields during power tool operation or when blowing dust. If operation is dusty, also wear a dust mask.**

⚠ WARNING **Never reach into the proximity of the rotating accessory or collet nut when it is running!**

⚠ WARNING **Danger of burns!** The accessories and workpiece will become hot during use. Wear gloves when changing accessories or touching workpiece. Keep hands away from the grinding area at all times.

⚠ WARNING **Sparks generated when grinding metal.** Make sure that no combustible material is present in the work area.

a. Attach the battery pack.

b. Set a speed that is suitable for the application and accessory. If you have just installed an accessory or are beginning a period of work, test it by letting it spin for one minute before applying it to the workpiece.

c. Use a clamp, vise or other practical means to hold your workpiece.

d. Firmly grasp the tool.

e. Start the tool before applying it to workpiece and let the tool come to full speed before contacting the workpiece.

⚠ WARNING Never use an accessory that has been dropped. Out-of-balance or damaged accessories can mar workpiece, damage the tool, and cause stress that may cause accessory failure.

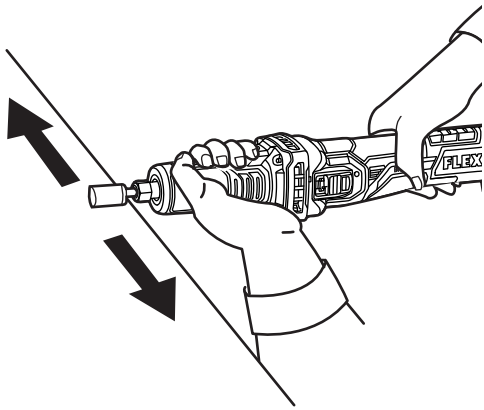
f. Move the tool evenly back and forth with light pressure to achieve an optimum work result. Pressure that is too strong reduces the performance capability of the tool and causes the tool to wear more quickly.

g. Lift the tool from the work before releasing the switch. DO NOT turn the switch ON and OFF while the tool is under load – this will greatly decrease the switch life.

h. If the tool begins vibrating, immediately stop the motor and check to see if the accessory is dull. Dull accessories will cause the tool to vibrate and could force the collet to fly off the tool. Always replace or sharpen dull accessories.

i. Accessories are design for specific uses, only use points, cones, plugs, grinding wheel and cut-off wheels for applications for which they were designed. Follow manufacturer's care and use instructions.

Fig. 10



MAINTENANCE

SERVICE

⚠ WARNING Preventive maintenance performed by unauthorized personnel may result in misplacing of internal wires and components which could cause a serious hazard. We recommend that all tool service be performed by a FLEX Factory Service Centre or Authorized FLEX Service Station.

GENERAL MAINTENANCE

⚠ WARNING When servicing, use only identical replacement parts. Use of any other parts could create a hazard or cause product damage. Periodically inspect the entire product for damaged, missing, or loose parts such as screws, nuts, bolts, caps, etc. Tighten securely all fasteners and caps and do not operate this product until all missing or damaged parts are replaced. Please contact customer service or an authorized service centre for assistance.

⚠ WARNING To avoid serious personal injury, always remove the battery pack from the charger/tool when cleaning or performing any maintenance.

CLEANING

⚠ WARNING The tool may be cleaned most effectively with compressed dry air. Always wear safety goggles when cleaning tools with compressed air. Ventilation openings and switch levers must be kept clean and free of foreign matter. Do not attempt to clean by inserting pointed objects through openings.

⚠ WARNING Certain cleaning agents and solvents damage plastic parts. Some of these are: gasoline, carbon tetrachloride, chlorinated cleaning solvents, ammonia and household detergents that contain ammonia.

STORAGE

Store the tool indoors in a place that is inaccessible to children. Keep away from corrosive agents.

WARRANTY STATEMENT

Chervon Australia Pty Ltd (ABN 36 165 077 501) of Unit 14,5 Kelletts Road, Rowville, Victoria, 3178, and Chervon New Zealand Subsidiary Ltd (NZBN 9429049277616) (**Chervon)** provides the following warranty (**Warranty**) to original domestic purchasers in Australia and New Zealand as applicable (**Customers**) of its FLEX24V Tools, FLEX24V Batteries and Chargers and FLEX STACK PACK Storage System (collectively **Products**).

The benefits of this Warranty are in addition to any rights and remedies imposed by Australian State and Federal or New Zealand legislation that cannot be excluded. Nothing in this Warranty is to be interpreted as excluding, restricting or modifying any legislation relevant to the supply of goods and services in Australia or New Zealand, as applicable, which cannot be excluded, restricted or modified.

In Australia, if the claimant is a “consumer” under the Australian Consumer Law, Chervon confirms the following:

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

WARRANTY

Chervon warrants that, subject to the terms of this Warranty and the exclusions and limitations contained herein, the Products will be free from defects in materials and workmanship for the following period, as applicable, calculated from the date of purchase of the Product (**Warranty Period**):

- If the Customer registers its purchase of the Product online at www.flex-tools.com.au or by calling 1300 000 346 in Australia or www.flex-tools.co.nz or by calling 0508 000 346 in New Zealand within 30 days of the date of its purchase (**Registration**), the Warranty Period for the following Products is as follows:
  - FLEX 24V Tools: 5 years;
  - FLEX 24V Batteries and Chargers: 5 years;
  - FLEX Stack Pack™ Storage System: 1 year;
  - FLEX Accessories & Consumables: 90Days
- If the Customer fails to complete Registration as outlined above, the Warranty Period for the following Products is as follows:
  - FLEX 24V Tools: 3 years;
  - FLEX 24V Batteries and Chargers: 3 years;
  - FLEX Stack Pack™ Storage System: 1 year;
  - FLEX Accessories & Consumables: 90 Days

For further clarification and avoidance of doubt please refer to the FLEX product warranty table included below.

If, before the end of the Warranty Period, a defect appears in the manufacture or assembly of a Product, and Chervon finds the Product to be defective in materials or workmanship, it will, in its sole discretion, either:

- replace or repair the Product or the defective part of the Product free of charge; or
- cause the Product or the defective part of the Product to be replaced or repaired free of charge.

Chervon reserves the right to replace a defective Product or part of a Product with parts and components of similar quality, grade and composition where an identical part or component is not available. Where the product is repaired, Chervon may use refurbished parts.

WARRANTY CLAIMS

1. If a defect covered by Warranty appears, you must first contact Chervon:
   a) by telephone on 1300 000 346 (AU); or 0508 000 346 (NZ); or
   b) by email at support@flex-tools.com.au.
2. Any Warranty claim must be accompanied by:
   a) proof of purchase;
   b) full details of the alleged defect;
   c) photo evidence of the alleged defect; and
   d) any other relevant documents.
3. You must allow Chervon or its authorised agent to inspect and test the Product. If that inspection and test finds no defect in the Product, you must pay Chervon's usual service and testing costs.
4. Unless otherwise agreed in writing by Chervon, you must pay the cost of transporting the Product to and from Chervon or Chervon's authorised agent and any related insurance cost. Any handling and transportation costs (and other expenses incurred in claiming this warranty) are not covered by this warranty and will not be borne by Chervon.
5. The replacement product or part, or repaired product will be made available for your collection at an address nominated by Chervon.
6. Customers are responsible for the care and cleaning of their product prior to sending it to back to Chervon or its nominated authorised repair agents. Any product being sent for repair must be cleaned. It is an Occupational/Work Health and Safety risk for our staff or authorised repairers to inspect, repair or service a product that has come into contact with a hazardous substance.
7. If Chervon or its authorised repair agent is to inspect, repair or service a product that has come into contact with a hazardous substance such as asbestos, silica dust or other hazardous substance then we may not be able to inspect, service or repair the product. If this is the case, Chervon reserves the right to refuse repair under these circumstances and will inform the customer and the product will be returned at the customer's expense.

EXCLUSIONS

The Warranty does not apply if:

a) the Product is not supplied in its final shape and form by Chervon or an authorised FLEX Dealer, which can be confirmed on the website store locator (for avoidance of doubt, third party online stores such as eBay, Gumtree, Amazon, etc. are excluded);

b) the Product is altered, modified or repaired by a party other than Chervon or its agent;

c) the Product is used other than for its designed purpose;

d) the Product is used for rental purposes;

e) the Product is used or installed other than in accordance with Chervon's instructions;

f) the Product has not been maintained or protected in accordance with Chervon's instructions;

g) the Product has been subject to abnormal conditions;

h) the product suffers normal deterioration of the exterior finish, including but not limited to scratches, dents, paint chips, or to any corrosion or discolouring by heat, abrasive and chemical cleaners;

i) the Product is involved in an accident;

j) Chervon cannot find any defect in the Product after testing, inspection and assessment;

k) the alleged defect is due to abuse, misuse, neglect (including failure to clean) or accident;

l) the alleged defect is due to a failure to properly maintain or use the Product;

m) the alleged defect in the Product is within acceptable industry standards or tolerances; or

n) the alleged defect is due to a request to customise the Product;

o) the alleged defect is due to normal wear and tear, misuse or abuse (including overloading of the product beyond capacity and exposure to water or rain);

p) The alleged defect has been used or caused due to continuous industrial use.

The Warranty does not extend to:

a) damage or defects caused by normal wear and tear;

b) the Products being damaged by you or a third party;

c) accidental or wilful damage, or misuse; or

d) theft or vandalism.

This Warranty does not extend to other accessories or attachments.

LIMITATIONS

Chervon makes no express warranties or representations other than as set out in this document. Chervon will not be liable to you or any other person in connection with this Warranty for any:

a) consequential or indirect loss, damage or costs incurred by you or any other person; or

b) damage to property, loss of turnover, loss of profits, loss of business or loss of good will.

CONTACT

For Warranty Service or to make a claim please contact Chervon on the details below between the hours of Monday to Friday 9:00am to 5:00pm EST/NZST (as applicable)

Chervon Australia Pty Ltd
Unit 14, 5 Kelletts Rd, Rowville, VIC. 3178.
Ph Australia; 1300 000 346. Email: support@flex-tools.com.au

Chervon New Zealand Subsidiary Ltd
4th Floor, Smith & Caughey Building, 253 Queen St, Auckland, 1141.
Ph New Zealand; 0508 000 346. Email: support@flex-tools.com.au

	NON REGISTER	REGISTRATION WITHIN 30 DAYS OF PURCHASE
PRODUCT OR MODEL #	LIMITED STANDARD WARRANTY PERIOD	LIMITED WARRANTY PERIOD WITH REGISTRATION WITHIN 30 DAYS FROM DATE OF PURCHASE*
FLEX 24V Lithium-ion power tools	3 Years	5 Years
FLEX 24V Lithium-ion Batteries and Chargers	3 Years	5 Years
FLEX Accessories & Consumables	90 Days	90 Days
FLEX STACK PACK™ Storage system	1 Year	1 Year

*Original purchaser must register the product(s) within 30 days of purchase and retain their receipt as proof of purchase. This warranty applies only to the original purchaser from an authorised FLEX dealer and may not be transferred. If original purchaser does not register their product within 30 days, the warranty will apply for the duration set out in table above in column 'LIMITED STANDARD WARRANTY PERIOD'. For avoidance of doubt please refer to warranty table above and full warranty details in this manual or on our website at www.flex-tools.com.au