XU1 BLUE 18VOLT

Cordless Angle Grinder 18V

12 MONTHS HOME USE
REPLACEMENT WARRANTY

XLAGS-115

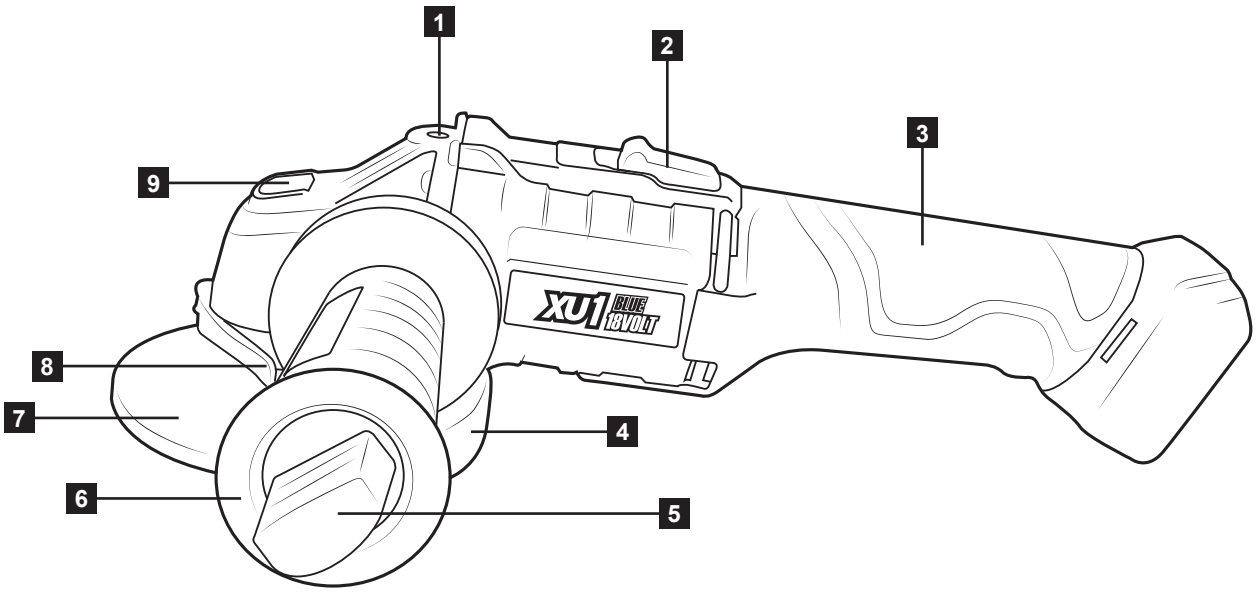
Operating Instructions

XU1 Power tools

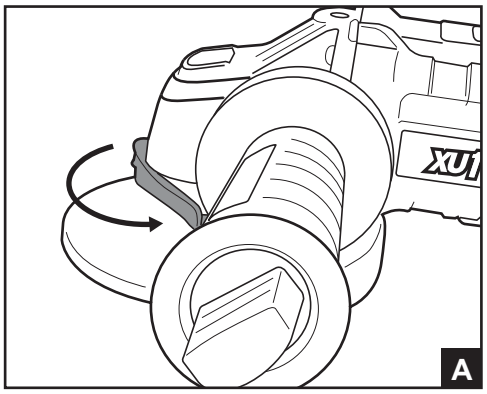
1–23 Letcon Drive, Bangholme, Victoria, Australia 3175

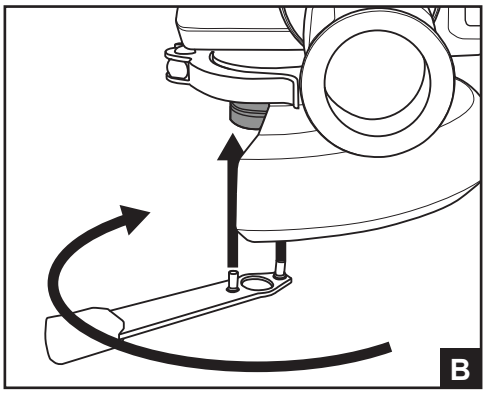
Telephone: 1800 069 486

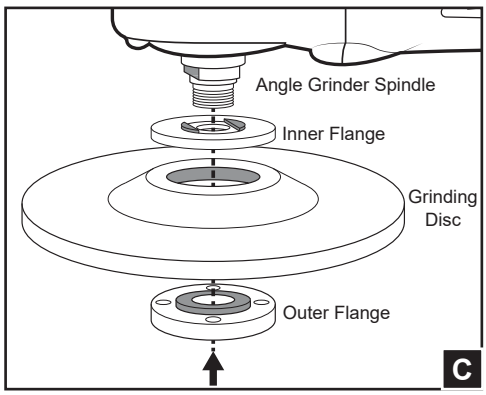
XLAGS-115 0219

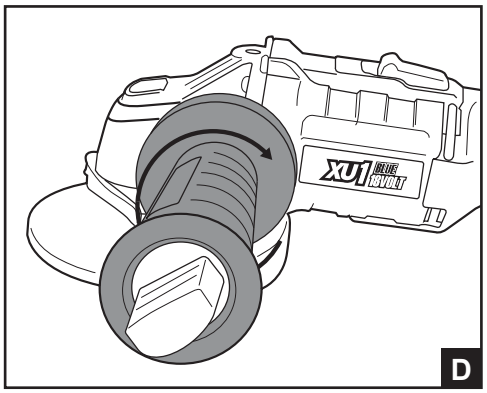


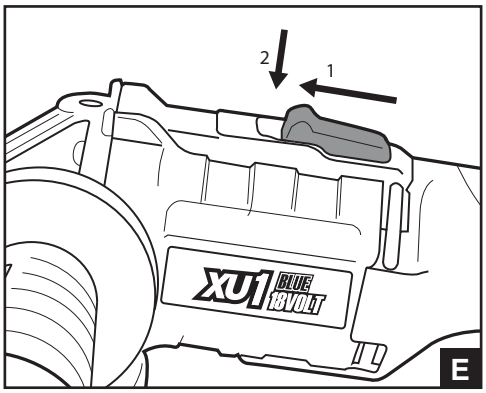
1 Handle Mounting Point
2 On/Off Switch
3 Soft Grip Handle
4 Grinding Guard
5 Pin Wrench
6 Auxiliary Handle
7 115mm Grinding Disc
8 Quick Release Guard Lever
9 Spindle Lock Button











SPECIFICATIONS

Voltage:	18V
No Load Speed:	0-8,500/min
Spindle Thread:	M14
Disc Bore Diameter:	22mm
Disc Thickness:	5.8mm
Disc Diameter:	115mm
Tool Weight:	1.89kg

PROPER USE

This tool is intended for use in a DIY (Do It Yourself) context or for hobbyist purposes. It is not built for continuous daily use in a trade or professional capacity.

Before using the machine, carefully read these instructions, especially the safety rules to help ensure that your machine always operates properly.

Before attempting to operate the machine, familiarise yourself with the controls and make sure you know how to stop the machine quickly in an emergency.

Save these instructions and the other documents supplied with this machine for future reference.

SETUP

WARNING! Ensure the tool is turned off and disconnected from the power supply before performing any of the following operations.

Attaching The Grinding Guard

WARNING! A guard should be used at all times whilst operating the angle grinder.

NOTE: The Grinding Disc must be removed before fitting the Grinding Guard.

1. Pull the Quick Release Guard Lever to loosen the screw on the Grinding Guard.
2. Align the Grinding Guard centre with the spindle and slide the Guard onto the tool.

NOTE: Ensure the notches on the quick release collar match up with the grooves on the spindle when sliding on the Grinding Guard.

3. Rotate the Grinding Guard into the desired position and secure in place by lowering the Quick Release Guard Lever back into place. **Fig. A**

Attaching The Grinding Disc

WARNING! The grinding disc provided is made from grit which is bonded together with adhesives. Hence parts of the disc may dislodge from the tool at high speed. Appropriate safety equipment should be worn at all times.

WARNING! Do not fit or use a grinding disc for cutting applications. Grinding discs should be used for grinding metal only.

1. Depress the Spindle Lock Button and rotate the spindle until it locks in position.
2. While holding the Spindle Lock Button, use the Pin Wrench supplied to loosen and remove the Outer Flange. **Fig. B**
3. With the spindle facing upwards, ensure that the Inner Flange is located correctly on the spindle. **Fig. C**

NOTE: The two flat sections on the Inner Flange should sit against the flat walls on the spindle.

4. With the label on the Grinding Disc facing the tool, place the Disc on the Spindle. Ensure that the hole in the Disc sits on the protruding ring on the Inner Flange.
5. Screw the Outer Flange onto the spindle with the protruding ring section facing the tool.
6. Hold down the Spindle Lock Button and tighten the Outer Flange with the Pin Wrench provided.

WARNING! Check the disc carefully for cracks or damage before operation. Replace cracked or damage discs immediately.

Removing The Grinding Disc

1. Hold down the Spindle Lock Button and loosen the Outer Flange with the Pin Wrench provided.
2. Remove the Outer Flange and then Grinding Disc.

NOTE: Regularly check that the Outer Flange has not loosened during use.

Attaching The Auxilliary Handle

The Auxiliary Handle should be assembled to the angle grinder prior to use.

The Auxiliary Handle can be fitted to the left, right side or the top of the angle grinder to maximise user comfort. Choose the most appropriate position considering user comfort (preferred hand) and the task at hand.

1. Screwing the threaded end of the Auxiliary Handle firmly into the handle mounting points on the tool. **Fig. D**

NOTE: To reduce the risk of injury hold the tool with both hands while the tool is in operation.

CONTROLS

On/Off Switch

1. To turn the Angle Grinder on, press down on the back end of the On/Off Switch and slide it forward, then press the front end down until it clicks into place. **Fig. E**
2. To turn the Angle Grinder off, press the back end of the On/Off Switch down. The Switch will slide back into the '0' position.

OPERATION

WARNING! This angle grinder is only intended for angle grinding operations.

Usage Tips

1. Inspect the grinding disc before fitting and during use to ensure it is not deformed or cracked.
2. Always inspect the tool before use - have any damage repaired by an authorised service agent.
3. Ensure that the guard is fitted in a position which ensures it is between you and the grinding disc. The guard is there to protect you from flying objects that may be dislodged at the work piece, accidental contact with your hand, fingers or other parts of your body with the disc. Adjust the position of the guard to best shield the user from sparks according to the application
4. Use only discs having a maximum operating speed at least as high as the "No Load Speed" marked on the tool.
5. Be careful not to damage the spindle or either of the disc flanges. Damage to these parts could result in disc breakage
6. Do not expose the tool to rain or snow. Do not use the tool in damp locations or in an environment with explosive or corrosive gas.
7. Keep your work area well lit.
8. Always make sure the workpiece is securely clamped down before operating the angle grinder.
9. Make sure you are well balanced when using the tool and you have secure footing. Do not use the tool when you are tired.
10. Keep long hair away from the tool.
11. Make sure the disc is not contacting the work piece when the switch is turned on. Before using the tool on an actual work piece, let it run for a while. Watch for vibration or wobbling that could indicate poor installation of the disc or a poorly balanced disc.
12. Watch out for flying sparks. Hold the tool at an angle of approximately 15° - 30° to the work piece surface.
13. To prevent a new grinding disc from digging in to the work piece, initial grinding should be conducted by drawing the tool towards yourself. Once the leading edge of the disc is worn a little, it is possible to grind in any direction.
14. It should never be necessary to force the tool. If the rotational speed drops abnormally, pressure should be released immediately. Little more than the weight of the tool should be applied. Forcing and excessive pressure can cause dangerous disc breakage or damage to the tool.

MAINTENANCE

WARNING! Ensure the tool is turned off and disconnected from the power supply before performing any of the following operations.

Cleaning

Your tool has been designed to operate over a long period of time with a minimum of maintenance. That said, continuous satisfactory operation depends upon proper tool care and regular cleaning.

1. Regularly clean the ventilation channels in the tool using a soft brush or cloth.
2. Keep ventilation slots of the tool clean at all times. If possible prevent foreign matter from entering the vents. After each use, blow air through the tool housing to ensure it is free from all dust particles that may build up.

WARNING! Excessive build up of dust particles may cause the tool to overheat and fail.

3. If the enclosure of the tool requires cleaning, use a soft, damp cloth only. Do not use solvents or abrasive cleaners.

WARNING! Never immerse any part of the tool in liquid.

WARRANTY

YOUR WARRANTY FORM SHOULD BE RETAINED BY YOU AT ALL TIMES. IN ORDER TO MAKE A CLAIM UNDER THIS WARRANTY YOU MUST RETURN THE PRODUCT TO YOUR NEAREST BUNNINGS WAREHOUSE WITH YOUR BUNNINGS REGISTER RECEIPT. PRIOR TO RETURNING YOUR PRODUCT FOR WARRANTY. PLEASE TELEPHONE OUR CUSTOMER SERVICE HELPLINE:

Australia 1800 069 486

New Zealand 0508 069 486

TO ENSURE A SPEEDY RESPONSE PLEASE HAVE THE MODEL NUMBER AND DATE OF PURCHASE AVAILABLE. A CUSTOMER SERVICE REPRESENTATIVE WILL TAKE YOUR CALL AND ANSWER ANY QUESTIONS YOU MAY HAVE RELATING TO THE WARRANTY POLICY OR PROCEDURE.

The benefits provided under this warranty are in addition to other rights and remedies which are available to you at law.

Our goods come with guarantees that cannot be excluded at law. You are entitled to a replacement or refund for a major failure and for 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.

Generally you will be responsible for all costs associated with a claim under this warranty, however, where you have suffered any additional direct loss as a result of a defective product you may be able to claim such expenses by contacting our customer service helpline above.

1 YEAR REPLACEMENT WARRANTY

Your product is guaranteed for a period of 12 months from the original date of purchase and is intended for DIY (Do It Yourself) use only. If a product is defective it will be replaced in accordance with the terms of this warranty. Warranty excludes consumable parts, for example: driver bits.

WARNING

The following actions will result in the warranty being void.

- Professional, Industrial or high frequency use.
- If the tool has been operated on a supply voltage other than that specified on the tool.
- If the tool shows signs of damage or defects caused by or resulting from abuse, accidents or alterations.
- Failure to perform maintenance as set out within the instruction manual.
- If the tool is disassembled or tampered with in any way.

XU1

Australia/New Zealand (Head Office)

1-23 Letcon Drive, Bangholme, Victoria, Australia 3175

SAFETY INSTRUCTIONS

DESCRIPTION OF SYMBOLS


Read instruction manual


Wear eye, breathing and hearing protection


Warning


Regulatory Compliance Mark (RCM)

CARING FOR THE ENVIRONMENT


Power tools that are no longer usable should not be disposed of with household waste but in an environmentally friendly way.
Please recycle where facilities exist. Check with your local council authority for recycling advice.


Recycling packaging reduces the need for landfill and raw materials.
Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist.
Check with your local council authority for recycling advice.

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 all of 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 and 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.

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 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. Personal protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

c) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

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

4) Power tool use and care

a) Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.

b) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

c) Disconnect the plug from the power source and/or the battery pack 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. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools 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 and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

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

5) Service

a) Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

ADDITIONAL SAFETY WARNINGS FOR ANGLE GRINDERS

WARNING!This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. **Young children should be supervised** to ensure that they do not play with the appliance.

a) This power tool is intended to function as a grinder. 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, fir and/or serious injury.

b) Operations such as sanding, wire brushing, or 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 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.

d) 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

e) 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.

f) 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.

g) 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.

h) 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 work piece 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.

i) 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.

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

k) Position the cord clear of the spinning accessory. If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.

l) 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.

m) 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.

n) 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.

o) Do not operate the power tool near flammable materials. Sparks could ignite these materials.

p) Do not use accessories that require liquid coolants. Using water or other liquid coolants may result in electrocution or shock.

Kickback 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 work piece, 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 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.

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 or toothed saw blade. Such blades create frequent kickback and loss of control.

Additional Safety Instructions for Grinding and Abrasive Cutting-Off Operations:

a) 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.

b) 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.

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 operator from broken wheel fragments and accidental contact with wheel.

d) 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.

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. Wheel intended for larger power tool is not suitable for the higher speed of a smaller tool and may burst.

Additional Safety Instructions for Abrasive 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 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.

d) Do not restart the cutting operation in the work piece. 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 work piece.

e) Support panels or any oversized work piece to minimize the risk of wheel pinching and kickback. Large work pieces tend to sag under their own weight. Supports must be placed under the work piece near the line of cut and near the edge of the work piece 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.

Warnings Specific to Angle Grinder Operations:

a) Flanges must suit the disc and application and be in good condition.

b) Discs should be stored and handled carefully to avoid damage.

c) Grinding discs are for grinding applications only. Cutting discs are for cutting applications only.

d) Never apply pressure to stop a disc spinning.

e) The workpiece should be securely held down and supported.