

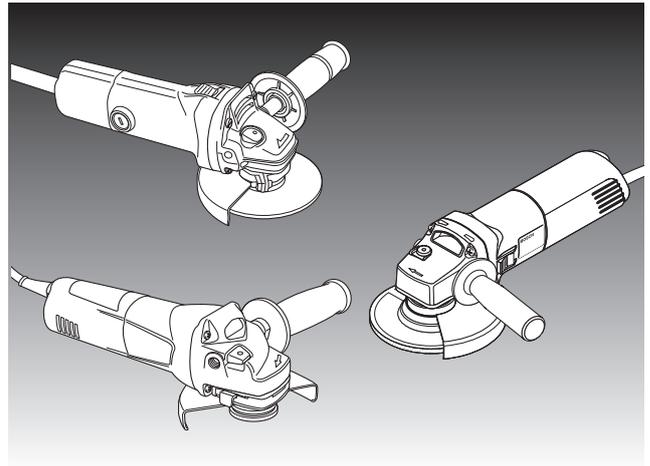
5055/02



SAFETY & OPERATING GUIDE

5055/02 115mm & 125mm ANGLE GRINDER

115mm & 125mm Angle Grinder



BASIC SAFETY

Before using this equipment and to avoid personal injury, carefully read and understand these instructions. If there is anything you do not understand, DO NOT use this equipment, contact the hire company for advice.

Make sure you are aware of all safety requirements and that this equipment is suitable for the task you wish to undertake.

The work area must be cordoned off from the general public and bystanders.

This equipment must only be used by persons who are medically fit to do so. If you have any medical condition, are recovering from any medical condition or suffer from any mental or physical disability, you MUST seek professional medical advice before using this equipment.

This equipment must not be operated by persons who are under the influence of alcohol or drugs.

You MUST perform a risk assessment before using this equipment to ensure your safety and the safety of others.

Wear the correct Personal Protective Equipment for the task ahead.



Wear gloves when handling this equipment. Wear suitable clothing. Protect your eyes, wear safety goggles. Steel toecap boots must be worn. Protect your hearing, always wear ear defenders.



Wear a dust mask or suitable respiratory protective equipment.

Do not wear loose jewellery or clothing that may become trapped in the equipment. Tie back long hair.

Inform everyone in the work area of what you are doing.

Only operate this equipment in a well lit and ventilated area.

DO not work near flammable materials.

HAVS
Hand-Arm vibration syndrome is a disease that can lead to permanent disability. This can be caused by prolonged use of any tool or powered equipment that vibrates during operation. For information on manufacturers vibration levels contact the hire company.
As a precaution, stop working if you experience discomfort or numbness when operating the equipment.

GET FAMILIAR! You must understand how to switch this machine OFF quickly in case of an emergency.

Before cutting into anything that may contain pipework or electrical power cables, check the area using a metal detector or a cable avoidance tool.

Make sure that all guards are present and correctly fitted. Diamond and abrasive wheels can cause serious injury keep hands clear of the cutting area at all times.

Do not lift or move the unit by its power supply cable.

Always switch OFF the Grinder and isolate it from the power supply before cleaning, making adjustments or when left unattended.

Carefully inspect the equipment before use, if there is any doubt about its condition, DON'T USE IT.

Wheel Safety
Check the wheels condition before the start of each work session, more often if making a large amount of cuts or grinding a large surface area.
Always replace worn or damaged wheels immediately.
Never fit damaged or distorted wheels.
DO NOT use a grinding wheel for cutting or a cutting wheel for grinding.
If using grinding or abrasive wheels, only fit new, good quality unused wheels which are designed for the machines spindle speed (11,000 rpm).
This machine requires a 115mm wheel with a 22mm centre bore.
NEVER FIT SUBSTANDARD OR OLD, USED WHEELS.

ELECTRICAL SAFETY

If you have hired a 230V model fitted with a 13A plug, it can be powered from a standard 230V 13A power supply.

If you have hired a 230V model fitted with a 16A plug, it can be powered from a 230V 16A mains powered socket or from a suitable generator.

Models fitted with a 110V 16A plug will require a 110V power supply, this should be taken from a suitable generator or from a transformer.

If the equipment fails, or if any part becomes damaged, return it. DO NOT repair it yourself.

Fully unwind and loosely coil all extension leads. Position them away from the equipment where they will be protected from water, sharp objects and where they will not pose a trip hazard. Keep the equipment dry, protect this equipment from damp or wet conditions.



For additional safety, always use an RCD or power the equipment from a mains circuit with a built in RCD.

Switch the equipment and power supply OFF before plugging into the supply.

PREPARATION

If working in an item which cannot be moved, make sure that there are no flammable or explosive materials or liquids close by. Always have a suitable fire extinguisher close by in case of an accidental fire.

Make sure that the power supply is within easy reach of the work, do not strain the power supply cable.

Clear the floor area around the work at regular intervals to help safeguard against accidents. If working at height, work from a suitable work platform, NOT a ladder or steps.

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SETTING UP THE ANGLE GRINDER

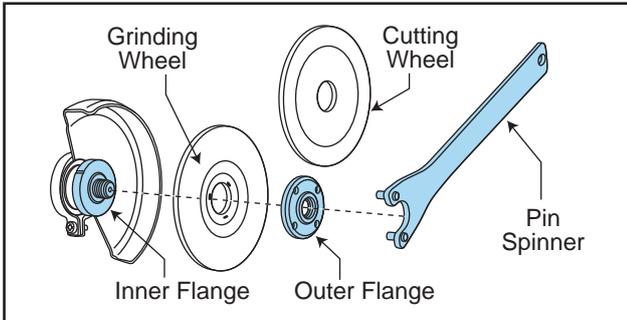
Always fit the correct and best type of grinding, abrasive or diamond wheel, check with the hiring company for the best option.

FITTING A WHEEL

Make sure that the Angle Grinder is switched OFF and isolated from the power supply.

Depress and hold the spindle lock button, rotating the shaft until the spindle lock engages. Using the pin spanner provided, remove the outer flange by turning anticlockwise.

You can now remove any previously fitted wheel.



Inspect both outer and inner flange for condition. If either are damaged, STOP and contact the hire company for advice.

Place the correct size and type of wheel onto the centre of the inner flange ensuring that it is held central by the flanges arbour. If fitting a diamond wheel, make sure that the direction arrow on the wheel is the correct way round, see illustration.

Carefully replace the outer flange by turning clockwise ensuring that everything is secure and correctly positioned.

Check that the wheel rotates without making contact with the guard, checking also that the wheel runs straight and does not 'wobble'.

Position the safety guard so that it protects the operator from sparks and flying debris.

To alter the position of the guard, loosen the guard's lock screw, adjust the position then re-tightening the lock screw.

The side handle can be positioned either on the left or right of the machine depending on the task ahead and if you are right or left handed. ALWAYS use the side handle.

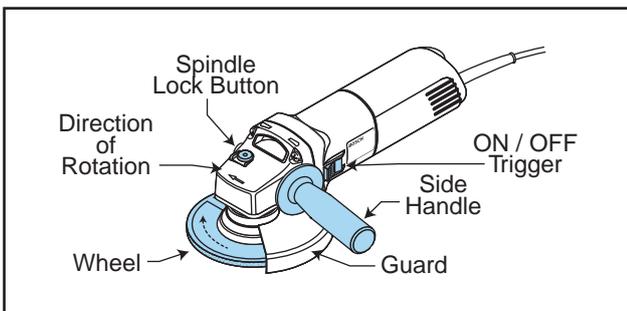
THE CONTROLS

To switch the Grinder ON, press the front of the ON/OFF switch down then slide it forward.

This switch will remain in the ON position until you release it. To switch the grinder OFF, press down on the rear of the switch, it will then return to the OFF position automatically.

CAUTION; Remember that once switched ON the grinder will continue running until you switch it OFF so be extra cautious when handling the unit.

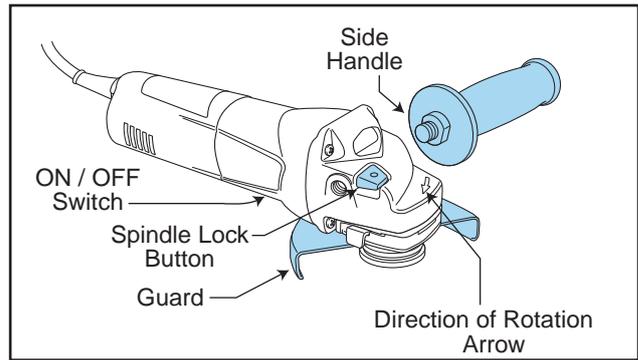
OPERATING THE GRINDER



Secure the work piece in a vice, do not hold the work piece with hands or feet. Position yourself so that you have a clear view of the work area.

You can now plug the unit into its power supply and switch the supply ON.

Hold the Grinder firmly with both hands then switch the unit ON. DO NOT operate this machine 'one handed' and do not swap hands when the unit is running.



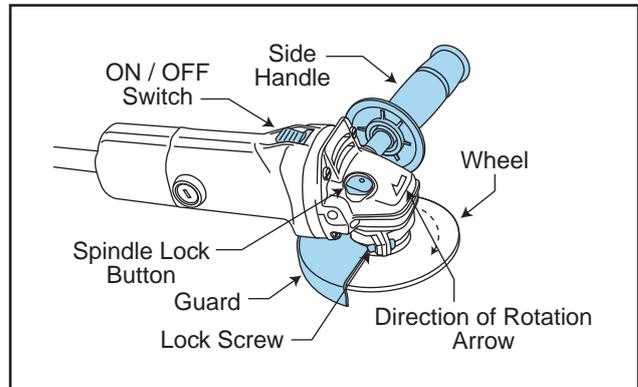
Take your time, rushing the work is both dangerous and can damage the machine, the wheel and the material.

To Grind...

Move the grinding wheel side to side across the work surface, with the wheel positioned at an angle of 30 degrees.

To Cut...

Move the cutting wheel along the cut line without turning or twisting. Remember that a cutting wheel MUST NOT be used for grinding.



EQUIPMENT MAINTENANCE & CLEANING

Regularly check the wheel for damage and condition, replacing immediately as necessary.

When not being used, store the unit in a clean condition and in a safe place, away from thieves and unauthorised users.

FINALLY

When you have finished, switch the unit OFF and wait for the wheel to stop rotating. Disconnect the power supply cable from the power supply.

Remove the wheel then give the unit a thorough clean ready for return.

NOTE

Failure to clean the equipment thoroughly may make you liable to a cleaning charge.