



# Using the Cordless Angle Grinder

1. Wear your protective equipment including goggles and dust mask.
2. Check that the abrasive wheel is fitted correctly and securely and that the guard is properly adjusted.
3. Check that the abrasive wheel is clear of any obstruction before switching on. Be prepared for large grinders to kick when the motor starts.
4. Let the grinder run up to speed before making contact with the work surface. Be prepared for the reactive force when the wheel contacts the work surface.
5. Keep the wheel running at speed: if the machine starts to labour and slow down do not force it so fiercely. Firm but steady pressure keeping the wheel speed up will be more effective and safer than using aggressive force.
6. Lift the abrasive wheel clear of the work before switching off.
7. The abrasive wheel will continue to rotate for a few seconds after you switch off. Wait for it to stop completely before you put the grinder down.
8. The grinder can only cut in straight lines. Do not try to go round corners.
9. Watch out for signs that vibration may be affecting your hands. If your fingers start to tingle or feel numb, take a short break from using the grinder. Exercise your fingers to encourage blood circulation.
10. To help prevent vibration affecting your hands, operate the machine or shorter periods. Keep your hands warm – wearing gloves may help to do this.
11. Make sure that the machine ventilation slots do not become blocked with dust and debris.
12. Stop the machine and operate the lock-off switch if there is one, or remove the battery, before leaving the machine unattended.
13. Remove the abrasive wheel when you have finished work. Store the wheel and the grinder safely.
14. If your equipment does not work properly, do not attempt to repair it. Contact the hire company.

You may want to read this leaflet again. Please keep it until you finish work.



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# Cordless Angle Grinder

The rules and procedures in force where people are at work may require the person responsible for this equipment to carry out a specific risk assessment.

## It is important to read all of this leaflet BEFORE you use the Cordless Angle Grinder

1. Plan your work and think ahead to make sure you will always be working safely.
2. Electricity, even low voltage, can be hazardous and must always be used with great care.
3. The rechargeable batteries in cordless tools may contain toxic chemicals. Take care.
4. Machines that vibrate enough to make your fingers tingle can be hazardous if used for a long time. Find out about vibration.
5. This angle grinder is designed or grinding, cutting and deburring metal. It can also be used to cut brick and masonry. You must use the appropriate abrasive wheel for each of these jobs.
6. The abrasive wheel rotates very fast and can cause injury or damage if the machine is not used in a careful and controlled way.
7. If you have not used an angle grinder before, familiarise yourself with the machine on some straightforward work before you start on the main task.
8. You must have at least the following items of personal protective equipment: goggles: impact resistant; dust mask – a minimum of FFP3 protection; ear muffs or plugs giving protection for levels up to 98 dB(A); gloves.
9. This machine must not be used by minors, or by anyone under the influence of drugs or alcohol.
10. This machine is designed for operation by an able-bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.



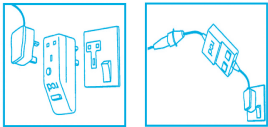
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1. Read and follow and battery or charging leaflet supplied by the hire company.
2. Use only the correct batteries for your equipment as supplied by the hire company.
3. Use only the correct charger as supplied by the hire company and follow any instructions given.
4. Plug the residual current device (r.c.d.) into the 230-volt socket when recharging batteries. Plug the charger into the r.c.d.
5. Do not try to use a battery-powered tool while it is being recharged. You may overload the electrical circuits and the batteries may explode.
6. Toxic and flammable fumes are produced when charging some types of batteries. Cool, well-ventilated and safe location away from other people.
8. Do not attempt to recharge ordinary batteries. They will explode.
9. Do not throw away old or damaged batteries – return them to the hire company.



**BATTERIES**  
Inserting the battery and switching on. Then let the machine run without load for about 30 seconds. If there is any excessive vibration or other sign that the wheel is not fitted properly, stop the machine and check what is causing the problem.

1. You must not fit or change any abrasive wheel unless you are competent to do so.
2. Fit the abrasive wheel just before you start work, do not transport your grinder, or stow it away, with the wheel still fitted. You must only use reinforced abrasive wheels, suitable for hand-held machines with this grinder. The label on the wheel with **BF REINFORCED** must be marked on it. You must not use any other wheels.
4. The abrasive wheels must have the correct bore (hole) size to fit the spindle on your grinder. Do not try to fit an abrasive wheel that is too loose, or too tight on the shaft.
5. Check that your abrasive wheels are in good condition – do not use any that are damaged, distorted or badly worn.
6. Make sure that you use the correct type of abrasive wheel recommended by the hire company for the material being ground or cut.
7. Look at the speed stated on the label of the abrasive wheel and the speed shown on the angle grinder. The wheel speed must be greater than, or equal to, that shown on the machine.
8. When you have fitted the abrasive wheel, check that the wheel rotates freely before you start work.



## Before Starting Work...

## WORK AREA

1. Do not use this grinder where there is a danger of explosion. It will ignite fumes from petrol, or gas cylinders.
  2. Make sure that the area is clear and safe and that no one is near to you or could distract you.
  3. Protect other people from the noise and dust. Warn others to keep away, put barriers around your work area.
  4. Any work that is not part of a fixture should be securely clamped or held in a vice.
  5. If you are working on a car or other vehicle, check that there are no fuel pipes where you are working. You might accidentally cut into them.
  6. Sparks from grinding will ignite petrol or fuel vapour, and can ignite upholstery and other fabrics.
  7. If you are cutting into a wall you must check its structural integrity and the structure that it supports before you start to cut.
  8. Check that there are no hidden electric cables, gas or water pipes in the wall before you start to cut.
  9. Cutting brick and masonry makes a large amount of dust – cover any surfaces or objects that may be damaged, or difficult to clean.
  10. Do not use this grinder to cut asbestos or materials containing asbestos.
- OPERATORS**
1. The following items of personal protective equipment (ppe) are the minimum that should be worn whenever you use this machine. Particular jobs or environments may require a higher level of protection.
  2. Make sure that the guards around the wheel are in place and adjusted correctly.
  3. Always use the side handle provided.
  4. Adjust it to the best position.
  5. Vibration from using this grinder can be hazardous. Warm your hands up before you start work, and wear gloves to keep your hands warm while you are working.
  6. Check on how the on/off switch operates – before you switch the grinder on, you must know how to stop it.

## GRINDER

1. You must wear impact resistant goggles when you are working with this machine. Levels up to 98 dB(A) – wear appropriate ear muffs or plugs giving hearing protection for this level as a minimum.
4. You will need to wear an appropriate dust mask (with a minimum of FFP3 protection) when you are cutting material that causes dust.
5. Gloves will protect your hands and keep them warm.
6. Anybody who is working near to you will also need to wear appropriate personal protective equipment.

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