

Some models are fitted with a spanner free lock-nut, simply tighten by hand. To release, unscrew by hand. **Take care not to over-tighten, then check that the new disc rotates freely and does not foul the guard, before use.**

**Set the safety guard in the correct operating position** by loosening off the lock adjusting the guards position then re-tightening the lock, adjusting the guards position then re-tightening the lock. Connect the battery to power the tool.

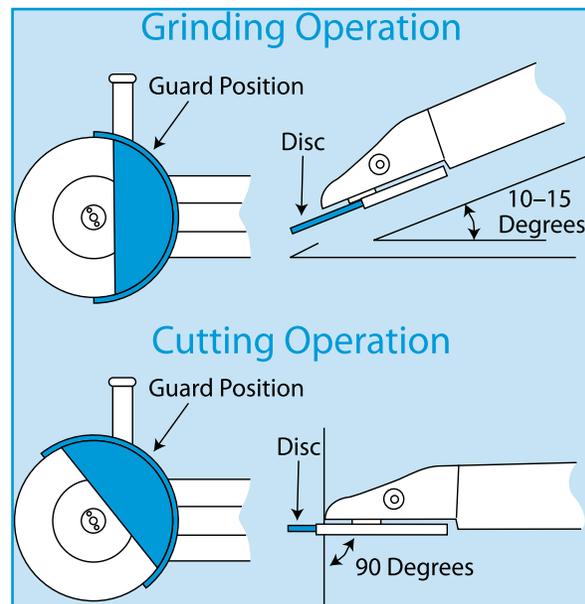
When using a dust extraction unit, the machine will be supplied with a dust extraction hood/guard. Before starting **connect the hose from the dust extraction unit to the dust port on the guard.**

## BASIC TECHNIQUES

Where appropriate, **secure the workpiece in a vice or with clamps, supporting it on both sides of any cut line** to stop the cut-off disc becoming trapped.

Next, **grip the tool firmly in both hands and adopt a comfortable, stable stance** that lets you see what you are doing while keeping the hole of your body behind the grinder's disc. **With the disc clear of the workpiece, you can now switch the grinder ON** and wait for the disc to reach working speed.

**To switch ON either depress or push forward the lock off button and squeeze the ON/OFF trigger.**



**If grinding, work the tool back and forth across the surface, holding the disc at an angle of 10 to 15 degrees** - a new disc may only require a single pass.

**If cutting, move the tool along the cut in a straight line, keeping the disc at a constant angle. Never twist the tool or apply sideways pressure** as the disc could break up and cause damage or serious personal injury.

**When using dust extraction, the full depth of cut must be used.** This means that shallow passes are not an option.

**Whatever you are doing... Apply just enough pressure to ensure reasonable progress. Too much pressure will damage the disc, the workpiece and the machine's motor.**

**Hold the machine still until the blade has stopped rotating.**

## EQUIPMENT CARE

**Never push the equipment beyond its design limits.** If it will not do what you want with reasonable ease and speed, assume you have the wrong tool for the job. Contact your local HSS Hire for advice.

**Never let the motor over-heat.** Stop work at frequent intervals and run the grinder for a minute or so, just holding it in your hands. The air drawn in and around it will cool everything down and prevent damage. **Regularly check that the air vents in the grinder body are clear.** If these become blocked with dust, clean them out using a soft brush before continuing, taking care not to push dirt into the grinder body. Regularly check that the disc and safety guards have not vibrated loose. If either have, stop and tighten them up.

**Keep the equipment clean** - you will find this less of a chore if you clean it regularly, rather than wait until the end of the hire period. When not in use, store the equipment somewhere clean, dry and safe from thieves.

## FINISHING OFF

**Switch off and wait for the disc to stop before putting the tool down.**

**Disconnect the battery and place in the carry case with the charger. Remove any fitted disc and give the unit a final clean up ready for return, to your local HSS Hire.**

### ... have you been trained

*The law requires that personnel using Cordless Drills must be competent and qualified to do so. Training available at HSS Training Solutions  
03457 66 77 99*



### ...any comments?

*If you have any suggestions to enable us to improve the information within this guide please e-mail your comments or write to the Safety Guide Manager at the address below  
e-mail: [safety@hss.com](mailto:safety@hss.com)*

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702/01

Operating & Safety Guide 702

# HSS Hire



# Cordless Angle Grinder

Designed for use where there is no power supply or where a mains powered grinder's power cable would get in the way.



Code 06315

## GENERAL SAFETY

**For advice** on the safety and suitability of this equipment **contact your local HSS Hire.**

**There is a serious risk of personal injury** if you do not **follow all instructions** laid down in this guide.

The hirer has a responsibility to **ensure that all necessary risk assessments have been completed** prior to the use of this equipment.

**This equipment should only be used by an operator who has been deemed competent to do so by his/her employer.**

**This equipment should be used by an able bodied, competent adult** who has read and understood these instructions. Anyone with either a temporary or permanent disability, should seek expert advice before using it.

**Keep children, animals and bystanders away from the work area.** Cordon off a NO GO area using either cones, barriers or tape, available for hire from your local HSS Hire.



**Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.**



**Safety Goggles MUST be worn by everyone in the work area.**



**This equipment generates potentially harmful noise levels.** To comply with health and safety at work regulations, **ear defenders must be worn by everyone in the vicinity.**



**Some materials contain substances which, when inhaled, can be harmful to health.** A suitable mask must be worn when using this equipment. Respiratory protective equipment is available for hire, contact your local HSS Hire for details.



**Wear practical, protective clothing, gloves and footwear.** Avoid loose garments and jewellery that could catch in moving parts, tie back long hair.

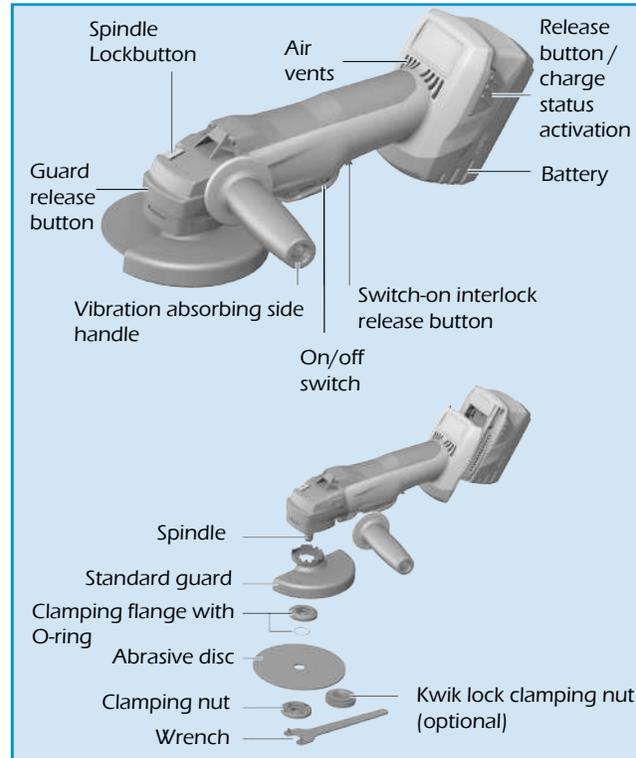
**Always switch OFF and unplug the charger when not in use.**

**Take special care when changing discs** – they are sharp.

**Always ensure that the ON/OFF switch is locked in the OFF position. Remove the battery and store it carefully in the carry case provided.**

**To safeguard against the risk of fire, never allow the battery terminals to come in contact with metal objects. Ensure the work area is well lit and ventilated,** if in doubt, ask about lighting and ventilation equipment at your local HSS Hire.

**Take special care when cutting into walls or floors,** they may contain hidden pipe work, reinforcing bars or electrical cables. If in doubt, **hire a Cable Avoiding Tool or metal locator, to determine the exact position of such**



**hazards.**

**Watch your footing. Take special care if working other than on firm, level ground.** Above ground level, work from a stable, purpose-made work platform such as a step-up or trestle.

**Do not work near flammable gases or liquids,** petrol or paint thinner fumes for example. **Keep combustible materials at a safe distance** - at least 5m.

**Make sure you know how to switch this machine OFF before you switch it ON** in case you get into difficulty.

**Make sure that everyone is warned of what you are doing. Check the condition of the equipment before use.** If it shows signs of damage or excessive wear, return it to your local HSS Hire.

## ELECTRICAL SAFETY

**The battery charger is designed to plug straight into a standard 230V 13 Amp power socket.**

**Some models have a level of charge indicator built into the battery,** simply push the ON button and observe the reading scale.

**To remove the battery from the grinder, press the lock tabs in with finger and thumb and pull the battery clear.**

Status	Meaning
4 LEDs light.	• Charge status: 75 % to 100 %
3 LEDs light.	• Charge status: 50 % to 75 %
2 LEDs light.	• Charge status: 25 % to 50 %
1 LED lights up.	• Charge status: 10 % to 25 %
1 LED blinks.	• Charge status: < 10 %

If an **extension lead** is used for the charger, **it should be fully unwound and loosely coiled,** away from the equipment. Never run leads through water, over sharp edges or where they could trip someone.

**Using the charger in very damp or wet conditions can be dangerous.**



**To reduce the risk of electric shock, use a suitable RCD** (Residual Current Device) available from your local HSS Hire, or power the charger from a mains circuit with a built-in RCD.

**If the grinder fails, or if the chargers power supply cable or plug gets damaged, return it.** Never try to repair it yourself.

**Never carry or pull the charger by its power supply cable.**

## GETTING STARTED

**On some models, the rear handle rotates,** to position the ON/OFF trigger for grinding or cutting. Just twist and click it into place.

**Fit the right disc for the job.** HSS Hire offer cut-off grinding and diamond discs.

**Never use a grinding disc for cut-off work or vice versa.** If in doubt, contact HSS Hire.

**As the work progresses, the disc diameter will diminish. This means that the maximum depth of cut will be effected.**

**Regularly check the discs condition and replace if worn or damaged, using only discs supplied by HSS Hire.**

**Ensure replacement discs are distortion free and undamaged and that the paper washers are no wrinkled or torn. NEVER FIT SUBSTANDARD OR OLD USED DISCS.**

**To fit a disc, switch OFF and remove the battery, then immobilise the back flange by depressing the spindle-lock button.**

**Remove the lock nut with the 'pin' spanner and check condition of both flanges. If either is damaged, return the tool to HSS Hire.**

**Now, locate the disc on the back flange plate, making sure that the diameter and the arbor (centre hole) of the disc are the correct size for the machine.**

**Finally secure the disc in place by screwing on the front flange.**

# Know Your Symbols

HSS have created clear Icons to inform the hirer of their responsibilities towards the safe use of hire equipment.

These are designed to reduce the amount of different safety information labels required for each product for hire.

## General use PPE / Warning

Clearly marked minimum PPE will be visible on all equipment,



**Correct PPE must be worn**



**HAV Hand Arm Vibration**



**Danger Rotating blade**



**Danger Hot exhaust**



**Danger Electric shock**



**Caution Abrasive Wheel**



**Caution Finger trap**

## Fuel and Supply Types



**Pe**  
Petrol



**Di**  
Diesel



**2t**  
2 - Stroke Petrol



**EI**  
Electric

## Safe Procedures

All hirers must understand and respect the safe procedures of all equipment.

It is the responsibility of the hirer to maintain and return the equipment in a clean condition and good working order.



**Ro**  
Read OPS Guide



**Ou**  
Outdoor Use only



**Hi**  
Heavy Lifting



**Cd**  
Check Oil daily



**Cf**  
Check Fuel daily



**Cw**  
Check Water daily



**Bc**  
Battery Care



**Sh**  
Safe Height Working



**Swl**  
Refer to Data Plate



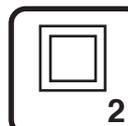
**V**  
Check Power Voltage Data Plate

## Electrical Safety

Safe wiring procedures.



**Ea**  
Must be Earthed Class 1



**Doi**  
Double Insulated Class 2



**Enl**  
Earth Live Neutral Wire Coding

## Return Responsibility

Charges apply to equipment returned dirty and damaged.



**Cc**  
Cleaning Charge



**Rc**  
Repair Charge