









0401 Safety Guidance



Using the Angle Grinder

- Wear your protective equipment including goggles and dust mask
- Check that the abrasive wheel is fitted correctly and securely, and that the guard is properly adjusted.
- Check that the abrasive wheel is clear of any obstruction before switching on. Be prepared for large grinders to kick when the motor starts.
- Let the grinder run up to speed before contacting the work surface. Be prepared for the reactive force when the wheel contacts the work surface.
- Keep the wheel running at speed: if the machine starts to labour and slow down do not force it so hard. Firm but steady pressure keeping the wheel speed up will be more effective and safer than using aggressive force.
- Lift the abrasive wheel clear of the work before switching off.
- 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.
- The grinder can only cut in straight lines. Do not try to go round corners.
- 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. Find out more about vibration. Ask the hire company for a copy of the HAE leaflet no. 2150 - Hand-arm vibration or visit www.hse.gov.uk/vibration.
- To help prevent vibration affecting your hands, operate the machine for shorter periods. Keep your hands warm - wearing gloves may help do this.
- 11. Make sure that the machine ventilation slots do not become blocked with dust and debris
- 12. Keep the cable clear of the abrasive wheel and any sharp edges on your work.
- If you think the cable may be cut or damaged in any way, switch off and unplug at the mains before inspecting it. If the cable attached to the machine is damaged, stop using the machine. Contact the hire company. If an extension cable has been damaged, do not use it again. Take care not to accidentally pull the plug from the socket.
- 15. Switch off and unplug before leaving the machine unattended.
- If your equipment does not work properly, do not attempt to repair it. Contact the hire company.

2450 Regents Court

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















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cable > angle grinder. 230v: Wall socket > RCD > any necessary extension extension cable > angle grinder. 110V: Wall socket > transformer > any necessary enwwsty:

5. Make sure that any extension capie connections

it fully or it will overheat and could catch fire.

ind piaces where vehicles might run över it. Unroil vays or windows where it might be trappe 4. Lay it out caretully avoiding liquids, snarp edges,

et). Plug it directly into the RCD. instructions, you should only use a suitably rated heavy duty one, not longer than 50 metres (160 rue uite company nas not given any special al instructions given by the hire company. 3. If you need to use an extension cable, follow any

MOLKING each time you use it, Heset the HUD 2. Use the "TEST" button to check that the RCD is

damaged.

INTO THE HUD. This will help to protect you against 1. Use a residual current device (RCD) plugged directly in to the 230volt socket. Plug your machine istative in the This in the 1900 This istative residual plugged and the 1900 This interpretation of the 1900 This interpre

(SQUARE PIN OR BLUE PLUG)

230 VOLT MACHINES

4. Make sure that any extension cable connections

and could catch fire. liquids, sharp edges, doorways or windows where it might be trapped, and places where vehicles might run over it. Unroll it fully or it will overheat 3. Lay the extension cable out carefully avoiding

extension cable between the transform instructions, you should only use a suitably rated heavy duty 110v extension cable, not longer than 50 metres (160 feet). You must only use an гие ине сошралу иза пот ділеп алу specia ial instructions given by the hire company. 2. If you need to use an extension cable, follow any

230v machines will have either a normal square pin plug fittled, or a blue industrial plug. Read the instructions below for your machine.

chine will only operate on one voltage: it will

on. Then let the machine run without load too about 30 seconds. It there is any excessive vibration or other sign that the wheel is not fittee that the wheel rotates freely before switching When you have fitted the abrasive wheel, check

Make sure that you use the correct type of abrasive wheel recommended by the hire

condition - do not use any that are damagn Check that your abrasive wheels are in good

(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.

REINFORCED marked on it. You must not use suitable for hand-held machines, with this grinder. The label on the wheel will have BF or

or directly into the 230 voit socket. Do not 1. If you are using a portable transformer, plu

110 VOLT MACHINES (YELLOW PLUG)

110v machines will have a yellow industrial plug fitted

YTER SAFETY

properly, stop the machine and check what is

Look at the speed stated on the label of the abreat wheel, and the speed shown on the angle ginder. The wheel speed must be greater than, or equal to, that shown on the machine.

company for the material being ground or cut. orted or badly worn.

The abrasive wheels must have the correct bore any other wheels.

nse sny 230v extension cable

You must not fit or change any abrasive wheel unless you are competent to do so. **Ask the hire company for a copy of the HAE leaflet no. 0403 – Abrasive Wheels.**

44 (0) 121 333 4109

44 (0) 121 380 4600

ABRASIVE WHEELS

Check on now the on/off switch operates before www.hse.gov.uk/vibration.

start work, and wear gloves to keep your hands warm while you are working. Ask the hire company for a copy of the HAE leaflet no. 2150 – Hand-arm vibration or visit Vibration from using this grinder can be hazardous. Warm your hands up before you start work and work above to keep your bands

Always use the side handle provided. Adjust it

Make sure that the guards around the wheel are one judinaria ping.

either a normal square pin plug fitted, or a it may be heavier than you think. Machines designed to run directly from 230v mains will appet or a portable transformer if you need to power the machine from a normal mains 230v supply. If a portable transformer has been supplied, take care not to injure yourself when moving it about Machines with a cylindrical yellow industrial plug fitted are designed to run off an 110v supply. The hire company will have provided a

your supply. Do not try to force connections or Check that the plug on your machine matches nse rue duuget - courser rue uite company.

Check your machine, cables, plugs and guards. If anything is found damaged, do not use the grinder, contact the hire company

GRINDER







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 Angle Grinder

- Electricity is hazardous and must always be used with great
- This angle grinder is designed for 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. It is not designed for any other purpose.



- The abrasive wheel rotates very fast and can cause injury or damage if the machine is not used in a careful and controlled way.
- 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
- Plan your work and think ahead to make sure you will always be working safely. You must have at least the following items of personal protective equipment: goggles:
- EN166 or BS2092; dust mask a minimum of EN149 FFP3(s) protection; Safety boots to EN345 or BS1870/4972; industrial quality gloves; residual-current device (RCD) if using a 230 volt (mains) supply.
- A personal first-aid kit should be available.
- This angle grinder must not be used by minors, or by anyone under the influence of drugs
- This angle grinder is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.
- Although angle grinders are designed for one person operation you should always be careful you do not lift beyond your own capabiliti













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> **BAY 788 Iludilos** The Crescent Birmingham Business Park noo sinegen uce



o nest identical personal protective Anybody who is working near to you will also You must wear industrial quality gloves.

You must wear safety boots (EN345 or brotection) when you are in contact with

You will need to wear an appropriate dust mask with a muninim a hiw) with a muninim a difference of the second of nigner level of protection.

Reductions of environments may require a orn whenever you use this machin equipment (PPE) are the minimum that should items of personal protective gniwoliot en i

SHOTARING

of dust - cover any surfaces or objects that may be damaged, or difficult to clean. Cutting certain materials makes a large amount secureiy ciamped or neid in a vice.

Any work that is not part of a fixture should be able location and signal generator.

there are no hidden electric cables, gas or water pipes where you are going to cut. Ask the hire company for HAE leatlet no.1415 -If you are cutting into a floor or fixture check that

Do not use this grinder in the rain or where it

Clear the area of trip hazards such as rubble,

other than those directly assisting with the work, enter the exclusion zone. Work should stop immediately should anyone, angle grinder is being used with physical barriers, barrier tape and signs, Keep children and animals away when using this equipment. Beils ein Dinois enoz nois ect other people from the dust. Set up

that no-one is near to you or could distract you. Make sure that the area is clear and safe and berroi, or gas cylinders.

Do not use this angle grinder where there is a danger of explosion. It will ignite fumes from petrol or ass culinders

WORK AREA

Before Starting Work.