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230 VOLT MACHINES (Continued...)

- 4. Lay it out carefully avoiding 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 and could catch fire.
5. Make sure that any extension cable connections are dry and safe.

USING THE GRINDER

- 1. Wear your protective equipment including goggles and dust mask.
2. Any work that is not part of a fixture should be securely clamped or held in a vice.
3. Check that the abrasive wheel is fitted correctly and securely, and that the guard is properly adjusted.
4. Check that the abrasive wheel is clear of any obstruction before switching on. Be prepared for large grinders to kick when the motor starts.
5. 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.
6. 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.
7. Lift the abrasive wheel clear of the work before switching off.
8. 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.
Switch off and stop work if someone approaches you.

- 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 you fingers to encourage blood circulation.
11. To help prevent vibration affecting your hands, operate the machine for shorter periods. Keep your hands warm - wearing gloves may help do this.
12. Make sure that the machine ventilation slots do not become blocked with dust and debris.
13. Keep the cable clear of the abrasive wheel and any sharp edges on your work.
14. 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.
15. Take care not to accidentally pull the plug from the socket.
16. Switch off and unplug before leaving the machine unattended.
17. If your equipment does not work properly, do not attempt to repair it. Contact the hire company.

Please keep this leaflet safely as it may be required for future reference



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0402 Safety Guidance 110/230V v:062017



Straight Grinders

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 this entire leaflet BEFORE using the Straight Grinder

- 1. Electricity can be hazardous and must always be used with great care.
2. This grinder is designed for grinding, wire brushing and deburring metal.
3. The abrasive wheel rotates very fast and can cause injury or damage if the machine is not used in a careful and controlled way.
4. If you have not used a straight grinder before, familiarise yourself with the machine on some straightforward work before you start on the main task.
5. Plan your work and think ahead to make sure you will always be working safely.
6. You must have at least the following items of personal protective equipment: goggles: impact resistant EN166 - B or BS2092 grade 1; dust mask - a minimum of EN149 ffp3(s) protection; ear muffs or plugs giving protection for levels up to 98 dB(A); gloves; rcd if using a 230 volt (mains) supply.
7. This machine must not be used by minors, or by anyone under the influence of drugs or alcohol.
8. This machine is designed for operation by an able bodied adult. Anyone with either a temporary or permanent disability must seek expert advice before using it.



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.

(Continued overleaf...)

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1. Use a residual current device ("rcd"), plugged directly in to the 230volt socket. Plug your machine into the rcd. This will help to protect you against electric shock if the cable or machine get damaged. Use the "TEST" button to check that the rcd is working each time you use it. Reset the rcd according to the instructions supplied with it.
3. If you need an extension cable, follow any special instructions given by the hire company. If the cable, follow any special instructions given by the hire company. If the cable, follow any special instructions given by the hire company. If the cable, follow any special instructions given by the hire company. If the cable, follow any special instructions given by the hire company.

1. Check that your abrasive wheels are in good condition - do not use any that are damaged, distorted or badly worn. Look at the speed stated on the label of the abrasive wheel, and the speed shown on the straight grinder. The wheel speed must be greater than, or equal to, that shown on the machine.
7. Use the blotters (paper discs) to absorb any irregularities between the surfaces of the grinding wheel and the flange.
8. Only use the wheel flanges that were supplied with the machine and are correct for the wheel you are using. Make sure that the flanges are tightened just enough to drive the wheel - normal hand force on the correct tools is sufficient. Use the tools supplied with the machine.
9. When you have fitted the abrasive wheel, check on how the on/off switch operates - before you switch the grinder on, you must know how to stop it.
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