Using the Disc Sander

1. Wear your protective equipment including goggles and dust mask.
2. Use the sander with both hands. Use the side handle.
3. Make sure the sander is running at full speed before lowering it onto the surface.
4. Keep the sanding disc at a shallow angle to the surface of the work.
5. Apply only moderate pressure to the work surface. Do not press hard, you will overload the machine and may cause grooves in the workpiece.
6. Lift the sanding disc clear of the work before switching off.
7. Switch off and remove the plug before making adjustments or changing the sanding disc.
8. The disc will continue to rotate for a few seconds after you switch off. Wait for it to stop completely before you put the disc sander down.
9. Watch out for signs that vibrations may be affecting your hands. If your fingers start to tingle or feel numb, take a short break from using the disc sander. Exercise your fingers to encourage blood circulation.
10. Make sure that the machine ventilation slots to not become blocked with dust and debris.
11. Keep the cable clear from your sanding disc and any sharp edges on your work.
12. 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.
13. Take care not to accidentally pull the plug from the socket.
14. Switch off and unplug before leaving the machine unattended.
15. 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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Disc Sander

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 Disc Sander

1. Plan your work ahead to make sure that you will always be working safely.
2. Electricity can be hazardous and must always be used with great care.
3. The disc sander is designed to sand or polish wood or metal surfaces. It will also remove rust. You must use the appropriate sanding, wire brushing, or polishing attachment.
4. The sanding disc rotates very fast and can cause injury or damage if the machine is not used in a careful and controlled way.
5. If you have not used a disc sander before, familiarise yourself with the machine on some straightforward work before you start on the main task.
6. 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; 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 anybody under the influence of drugs or alcohol.
8. 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.

Before Starting Work...

WORK AREA

1. Do not use this disc sander where there is a danger of explosion. It will ignite fumes from your petrol or gas cylinders.
2. Make sure that the area is clear and safe and that no-one is near you or could distract you.
3. Protect other people from the noise and dust. Warn others to keep away.
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. Check that there are no electric cables, or small bore central heating pipes, fastened to the surface where you are going to sand. They may be damaged by the end of the sanding disc.

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. You must wear goggles (EN166 or BS2092) when you are working with this machine.
3. This equipment is likely to cause noise levels of 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 EN149 FFP3(s) protection) when you are sanding material that causes dust.
5. Anybody that is working near to you will also need to wear appropriate personal protective equipment.

DISC SANDER

1. Check your machine, cable, plugs and guards. If anything is found damaged, do not use the disc sander – contact the hire company.
2. Check that the plug on your machine matches your supply. Do not try to force connections or improvise them.
3. Machines with a cylindrical yellow industrial plug fitted are designed to run off a special 110v supply. The hire company will have provided 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 – it may be heavier than you think. Machines designed to run directly from 230v mains will have either a normal square pin plug fitted, or a blue industrial plug.
4. For sanding, the rotational speed of your machine should be between 4,000 and 5,000 rpm. For polishing, you need a slower rotational speed.
5. Always hold the sander with both hands; use the side handle provided.
6. Vibration from the disc sander can be uncomfortable. If your fingers start to tingle, stop using the sander for a short while.
7. Check on how the on/off switch operates – before you switch the disc sander on, you must know how to stop it.

SANDING DISCS

1. You must not fit an abrasive wheel to this sander.
2. Make sure you use the correct type of sanding disc recommended by the hire company for the material you are sanding.
3. Sanding discs work best at speed between 4,000 and 5,000 rpm. A faster rotational speed could damage the work surface or sanding disc.
4. If using a polishing attachment the rotational speed should be slower.
5. Your sanding disc should extend about 2mm beyond the edge of your backing pad.
6. Make sure that the sanding disc is not ripped or damaged before you use it.

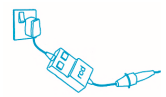
ELECTRICAL SAFETY

Your machine will only operate on one voltage: it will be 110v or 230v. 110v machines will have a yellow industrial plug fitted. 230v machines will have either a normal square pin plug fitted, or a blue industrial plug. Read the instruction below for your machine.

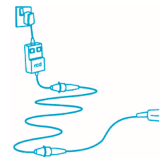
110 VOLT HEATERS (YELLOW PLUG)

1. If you are using a portable transformer, plug the transformer directly into the 230v socket. Do not use any 230v extension cables.
2. If you need to use an extension cable, follow any special instructions given by the hire company. If the hire company have not given any special instructions you should only use suitably rated heavy duty 110v extension cable, no longer than 50 metres (160 feet). You must only use an extension cable between the transformer and the machine.
3. Lay the extension cable 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.
4. Make sure that any extension cable connections are dry and safe.

230 VOLT MACHINES (SQUARE PIN OR BLUE PLUG)



1. Use a residual current device (“rcd”) plugged directly in to the 230v socket. Plug your machine into the rcd. This will help to protect you against electric shock if the cable or machine get damaged.
2. 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 to you by the hire company. If the hire company have not given you any special instructions, you should only use a suitably rated heavy duty one, not longer than 50 metres (160 feet). Plug directly into the rcd.
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.

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