



Using the Belt Sander

1. Wear your protective equipment including ear defenders, dust mask and goggles.
2. Always hold the belt sander firmly with two hands while working.
3. Let the belt sander run up to full speed before lowering it carefully onto the surface. Be prepared for the reactive force when the sanding belt contacts the surface.
4. Keep the cable clear do not let the machine run over it.
5. Apply only moderate pressure to the machine. Any extra pressure will overload the machine and may cause grooves in the work.
6. Lift the machine off the work surface before switching off.
7. If you think the cable may be cut or damaged in any way, switch off and unplug at the socket before inspecting it. If the cable attached to the belt sander is damaged, stop using the machine. Contact the hire company. If an extension cable has been damaged, do not use it again.
8. Take care not to accidentally pull the plug from the socket.
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 machine. 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**
10. To help prevent vibration affecting your hands, operate the machine for shorter periods. Keep your hands warm – wearing gloves may help do this.
11. After switching off, do not put the machine down until the belt has stopped moving it.
12. Make sure that any ventilation slots in the belt sander do not get blocked with sawdust.
13. Remember to empty the dust bag when it is half full or when you stop work. Wood dust is highly flammable do not empty the dust bag onto a fire.
14. Switch off and unplug before making adjustments or changing the sanding belt.
15. Switch off and remove the plug from the socket before leaving the belt sander unattended.
16. If your equipment does not work properly do not attempt to repair it. Contact the hire company.
17. You may want to read this leaflet again. Please keep it until you finish work.

Belt 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 Belt Sander

1. Electricity is dangerous and must always be used with great care.
2. This belt sander is designed to sand wood, but not rough timber. It can also be used on metal, rust or painted surfaces. You must use the appropriate sanding belt. It is not designed for any other purpose.
3. The action of this belt sander can cause injury or damage if the machine is not used in a careful and controlled way.
4. If you have not used a belt sander 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: 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.
7. A personal first-aid kit should be available.
8. This belt sander must not be used by minors, or by anyone under the influence of drugs or alcohol.
9. This belt sander is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.
10. Although belt sanders are designed for one person operation you should always be careful you do not lift beyond your own capabilities.



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Summary:

110V: Wall socket > transformer > any necessary extension cable > belt sander.
230V: Wall socket > RCD > any necessary extension cable > belt sander.

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.

2. If you need to use an extension cable, follow any special instructions given by the hire company. If the hire company has not given any special instructions, you should only use a suitably rated heavy duty 110V extension cable, not longer than 50 metres (160 feet).

5. Make sure that any extension cable connections are dry and safe.

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.

1. If you are using a portable transformer, plug the transformer directly into the 230 volt socket. Do not use any 230V extension cables.

110 VOLT MACHINES (YELLOW PLUG)

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 instructions below for your machine.

3. If you need to use an extension cable, follow any special instructions given by the hire company. If the hire company has not given any special instructions, you should only use a suitably rated heavy duty one, not longer than 50 metres (160 feet). Plug it 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.

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 you use the correct type of sanding belt recommended by the hire company.

3. The sanding belts must be fitted in the correct direction of rotation as marked on each belt.

4. Adjust the tension and tracking each time you fit a new belt.

5. Empty the dust bag when it is half full or when you stop work. Remember the sawdust is highly flammable.

6. Do not empty the sawdust bag onto a fire - it may explode.

SANDING BELTS AND DUST BAG

1. Switch off and remove the plug from the socket before making adjustments or changing the sanding belt.

2. You must wear safety boots (EN345 or BS1870/4972).

3. You must wear safety boots (EN345 or BS1870/4972).

4. You must wear industrial quality gloves.

5. Anybody who is working near to you will also need to wear identical personal protective equipment.

6. Do not use this sander in the rain or where it might get wet.

7. Any work that is not part of a fixture should be securely clamped or held in a vice.

8. Sanding certain materials makes a large amount of dust - cover any surfaces or objects that may be damaged, or difficult to clean.

9. Clear the area of trip hazards such as rubble, rubbish etc.

10. Work should stop immediately should anyone, other than those directly assisting with the work, enter the exclusion zone.

11. Protect other people from the dust. Set up an exclusion zone around the area where the belt sander is being used with physical barriers, barrier tape and signs. Keep children and animals away when using this equipment.

12. Make sure that the area is clear and safe and that no-one is near to you or could distract you.



230 VOLT MACHINES (SQUARE PIN OR BLUE PLUG)

WORK AREA