

Using the Impact Wrench

1. Wear protective equipment including ear defenders and goggles.
2. Check that the socket or other attachment is fitted correctly.
3. Always grip the impact wrench correctly with two hands while using. If the wrench has a side handle, use it.
4. Be prepared for the reactive force, trying to twist the wrench, when starting to undo a bolt.
5. Do not try to change the rotation when the wrench is running.
6. Stop the wrench and unplug before making any adjustments.
7. Watch out for signs that vibration may be affecting hands. If fingers start to tingle or feel numb, take a short break from using the machine. Exercise fingers to encourage blood circulation.
8. To help prevent vibration affecting hands, operate the machine for shorter periods. Keep hands warm - wearing gloves may help do this.
9. Keep the cable clear of the wrench bit and sharp edges on your work.
10. If the cable appears to be cut or damaged in any way. Switch off and unplug at the mains before inspecting it. If the cable attached to the impact wrench is damaged, stop using the machine. Contact the hire company. If an extension has been damaged, do not use it again.
11. Take care not accidentally pull the plug from the socket.
12. Switch off and remove the plug from the socket before leaving the impact wrench unattended.
13. If the equipment does not work properly do not attempt to repair it. Contact the hire company.
14. You may want to read this leaflet again. Please keep it until you finish work.

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



Impact Wrench

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 Impact Wrench

1. Electricity can be hazardous and must always be used with great care.
2. This impact wrench is designed to tighten and undo different types and sizes of nuts and bolts quickly and repeatedly, using the appropriate attachment.
3. The action of this wrench can cause injury or damage if the machine is not used in a careful and controlled way.
4. If you have not used an impact wrench before, familiarise yourself with how the machine works before you start to use it.
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
 - Ear muffs giving protection up to 85dB(A);
 - Rcd if using a 230 volt (mains) supply.
7. This machine is not to be used by minors, or by anyone under the influence of drugs or alcohol.
8. This impact wrench is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.



WORK AREA

1. Do not use this impact wrench where there is 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 can cause distraction.
3. Protect other people from the noise and injury. Warn others to keep away.

OPERATORS

1. The following items of personal protective equipment (ppe) are the minimum that should be worn whenever the machine is used. Particular jobs or environments may require a higher level of protection.
2. Goggles must be worn when working with the machine.
3. This equipment is likely to cause noise levels up to 85dB(A) – wear appropriate ear muffs or plugs giving this protection as a minimum.
4. Wear gloves to help reduce vibration from machine affecting hands.
5. Anybody who is working close by will also need to wear appropriate personal protective equipment.

IMPACT WRENCH

1. Check the machine, cables and plugs and socket attachments. If anything is found damaged, do not use the impact wrench – contact the hire company.
2. Check that the plug on the machine matches the supply, do not try to force connections or improvise them.

Before Starting Work...



3. Machines with 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 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. The drive spindle on the wrench will rotate clockwise or anti clockwise. Ensure the correct rotation is selected before starting work.
5. If the wrench has a torque setting always set it correctly, for tightening, for the job in hand. Do not over tighten bolts.
6. Keep fingers away from the trigger until the wrench is located on the nut or bolt.
7. Do not try to put the socket onto a bolt with the wrench turning.
8. Do not use this impact wrench in the rain or where it might get wet.
9. Make sure you understand all of the controls – before switching on the impact wrench - know how to stop it.

WRENCH SOCKETS AND ATTACHMENTS

1. Switch the impact wrench off, and unplug it before changing the socket or attachment.
2. Only use the correct fitting socket or attachment; do not improvise.
3. Do not use worn or broken sockets they may cause damage or injury.

ELECTRICAL SAFETY

The 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 instructions below for the machine.

110 VOLT MACHINES (YELLOW PLUG)

1. If using a portable transformer, plug the transformer directly into the 230 volt socket. Do not use any 230v extension cables.
2. If you need 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 a suitably rated heavy duty 110v extension cable, not longer than 50 meters (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 get trapped, and place where vehicles run over it. Unroll it fully or it will over heat 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 230 volts socket. Plug your machine into the rcd. This will help to protect you against the electric shock if the cable or machine gets 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 instruction given by the hire company. If the hire company have not given special instructions, you should only use a suitably rated heavy duty one, not longer than 50 meters (160 feet). Plug it directly into the rcd.



4. Lay it out carefully avoiding liquids, sharp edges, doorway or windows where it might get 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.