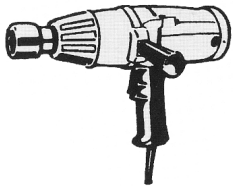




Safety Instructions

THESE INSTRUCTIONS MUST BE READ BY THE USER BEFORE OPERATING THE EQUIPMENT.



3.11 Impact Wrenches

- This equipment is designed to be operated by someone with normal ability. Persons with a disability or injury must assess whether their disability, when using the equipment, will affect their health and safety and the safety of others.
- It should only be operated by someone with experience of similar equipment.
- This equipment must not be used by anyone whose competence is impaired, for example by drink or drugs.

- 1 The impact wrench must be operated correctly according to the manufacturer's or owner's operating instructions, which are available on request if required.
- 2 **CHECK** that all persons and animals are clear of the work area.
- 3 Before you start the wrench make sure you know how to switch it off.
- 4 Wear personal protective equipment as necessary; overalls, safety goggles/glasses and hearing protectors.
- 5 When noise levels are uncomfortably high over 80dB(A), it is advisable to wear hearing protectors.
- 6 If higher noise levels occur regularly when it is necessary to shout to be heard, (85dB(A) and above) the law requires that hearing protectors must be worn.
- 7 Isolate the power supply before replacing any attachments or sockets or making adjustment to the tool.
- 8 When operating the impact wrench hold it firmly with both hands using the correct handles and position yourself so that it is comfortable to complete the task that is being carried out.
- 9 **CHECK** that the attachment or socket is the correct size and in good condition.
- 10 **DO NOT** force the tool. An even pressure reduces the chances of accident due to slippage or breakage of the attachment or socket.
- 11 **DO NOT** locate the wrench onto a bolt/nut whilst in operation.
- 12 If the wrench is fitted with a torque setting always set it to the required torque to prevent bolts from being overtightened.
- 13 If you are approached by anybody, stop the wrench immediately.
- 14 **DO NOT** carry the tool around when it is running.
- 15 **DO NOT** leave the tool unattended without switching off and unplugging from the power supply.
- 16 Vibration from this tool into your hands and arms can cause permanent discomfort and damage. Keep your hands warm and dry – wearing gloves can help. If your hands start to tingle or feel numb, stop work and exercise your fingers to restore circulation. Always use tools and cutting attachments that are sharp. If you know of a tool with less vibration or of a better way of avoiding vibration in the job, suggest this to your supervisor.
- 17 **DO NOT** attempt repairs. Contact the Hire Company.

Tools powered by electricity

- 18 **CHECK** that the voltage of the supply is correct. The impact wrench will be either 110V or 230V.
- 19 The use of a low voltage machine at 110V (CTE) will effectively eliminate the risk of death and greatly reduce the degree of injury from an electric fault.
- 20 Use a machine with the lowest possible voltage to suit the job.
- 21 **DO NOT** use domestic plugs and sockets on construction sites, they are not robust enough.
- 22 When using a 230V machine the risk of injury or death from electric shock is unacceptably high unless the following precautions are taken:
 - a) Use RCD power breakers at the supply socket to give protection for both the chasing machine and its power cable.
 - b) The RCD should be protected from dust, wet weather, mechanical damage and vibration.
 - c) Pass the power cable over the shoulder to keep it clear of the blade and position the rest where it is less likely to be damaged.

- d) The tools, cables and RCDs should be checked every day (or every shift) using the following as a guide:
- **CHECK** that bare wires are not visible
 - Make sure that cables are not damaged and are free from cuts and abrasions (apart from light scuffing)
 - **CHECK** that the plug is in good condition, the casing is free from cracks, the pins are not bent or the socket is not blocked with debris or dirt
 - **ENSURE** that there are no taped or other non-standard joints in the cable
 - **CHECK** that the cable covering has not been pulled out of the grips at the plug or equipment. (The coloured insulation of the internal wires should not be visible)
 - **CHECK** the outer casing of the chasing machine for damage and check for loose or missing parts or screws
 - Make sure that there are no overheating or burn marks on the plug, cable and equipment
 - **CHECK** the operation of the RCD power breaker by operating the test button.

23 An impact wrench using 110 volts should be checked weekly as in 22(d) above.

24 **CHECK** regularly that all ventilation grills or holes on motor housings are clear and free from dirt.

25 If the automatic cut-out operates, **ALLOW** the motor to cool before re-starting.

26 **DO NOT** use the machine in damp, wet or flammable conditions.

27 **DO NOT** carry the machine with the finger on the operating control.

28 **DO NOT** carry the machine by its cable or disconnect a plug by pulling its cable.

29 **ISOLATE** from the power supply before making adjustments to the machine.

Tools Powered by Compressed Air

30 **DO NOT** point a jet of air at people or animals, as compressed air can cause serious injury even through clothing.

31 **DO NOT** use tools at a greater pressure than that recommended in the manufacturer's instructions

32 **DO NOT** obstruct or prevent safety devices from working.

33 **DO NOT** connect or disconnect equipment from the supply until the air pressure has been dissipated.

34 If leaks develop shut down immediately and release the air pressure.

35 **DO NOT** use compressed air to clean work areas or clothing.



The UK's Leading Association for Plant & Equipment Hire Professionals

CPA. 27/28 Newbury Street, Barbican, London EC1A 7HU

Tel: 020 7796 3366 Fax: 020 7796 3399

Email: enquiries@cpa.uk.net www.cpa.uk.net

This leaflet is one in a comprehensive series of equipment safety instructions available from the CPA