

Safety instructions for saws



General safety instructions

The installation of the machine and electrical connection works must be carried out by an authorised qualified person.

Never work under the influence of illnesses that affect concentration abilities, fatigue, drugs, alcohol or medication.

Before and during work, check that no unauthorised persons are present in the danger zone.

Keep children and persons unfamiliar with the swing frame metal band saw away from the work area.

Use the protective devices and fasten them securely. Never work without the safety devices in place and keep them in good working order.

Always keep the machine and its working environment clean. Ensure that the work area is sufficiently illuminated! Protect the swing frame metal band saw from moisture and humidity.

Do not leave any tools, parts or other materials that can cause safety hazards on or near the machine.

Switch off the machine and disconnect the mains plug before replacing operating materials and wear parts.

Do not pull on the mains cable to remove the plug from the socket. Protect the cable from heat, oil and sharp edges.

Any faults that pose a safety hazard must be eliminated immediately.

Before each use of the metal band saw, ensure that no parts are damaged. Damaged parts must be replaced immediately to prevent safety hazards.

Do not overload the metal band saw! The machine performs better and safer within the specified performance range. Use only genuine spare parts and accessories to prevent possible hazards and accident risks. Observe the safety rules during work.

Only trained personnel may operate the machine. The necessary personal protective equipment must be worn when operating the machine and during maintenance and repair work.

Do not wear loose clothing items such as ties or scarves when operating or maintaining the machine. Wear non-slip shoes.

Use the machine only when all safety devices are in place and ready for operation. Do not remove or throw away the safety devices.

Ensure that the machine is properly installed and properly connected to the power supply (this task can only be carried out by persons who possess the relevant qualifications in accordance with the applicable regulations and standards).

The cabling may be inspected and repaired only by a person whose qualifications comply with the applicable regulations and standards.

Do not start the machine until you have closed and secured all protective covers. Maintain a safe distance from all moving parts (including the saw band, motor, tension discs and cleaning brush).

When handling the saw band or saw blade or during maintenance work, pull the plug out of the socket: Switch off the main switch and disconnect the cable.

When the saw band is in motion, keep all body parts away from the cutting zone. No other parts of the machine may be manipulated during operation.

Use only recommended saw bands. Long bars must be supported in front of and behind the saw.

It is prohibited to cut material whose size and properties do not correspond to the cutting capacity of the machine.

Before starting the first cutting cycle, the operator should carry out an "empty" cycle (without material), to check the whether the saw is adjusted properly.

Check that the machine is working properly. Test its performance occasionally by setting the maximum values (for the band speed, cutting pressure, maximum feed path etc.).

Never push the sawn material into the machine when it is in operation.

Chemicals and solvents that could damage painted surfaces should not be used in close proximity to the machine.

The area around the machine should be kept free of water, oil or chemicals to avoid slippery surfaces.

Ensure that the vice jaw is positioned correctly before the hydraulic grip (distance 1- 5 mm) and that the material is gripped correctly.

If a fault occurs, press the EMERGENCY STOP button immediately and switch off the main switch. Never use the swing frame metal band saw in environments

- that contain unknown substances.

- with a risk of explosion or fire. - with poor ventilation.

Ensure a sufficiently illuminated working environment when operating the machine.

If any malfunctions or anomalies occur, operation must be suspended immediately until the cause has been identified and the fault has been rectified. Only then may operation be resumed. Fire hazard

Ensure that there are no flammable and ignitable materials near the work area. Have suitable extinguishing agents ready.

Prevent the spread of fire caused by sparks, slag and red-hot glowing material. In the event of a fire, burning plastic parts can cause toxic emissions. It is therefore necessary to comply with the general fire safety regulations.

The machine is not equipped with fire extinguishers. The operator is therefore obliged to equip the premises in which the machine is used with the appropriate number of suitable and approved fire extinguishers. These must be located in a visible area protected from damage or misuse. The operator must be familiar with their use in accordance with the applicable regulations.

Electrical devices must not be extinguished with water. The premises must be equipped with powder or halon fire extinguishers, and the operators must be familiar with their use. If there is a water or foam extinguisher located near the device, it can be used after switching off the mains.

The surface of electrical safety devices and surfaces which are expected to heat up (example: electric motor surface) should be regularly cleaned to remove dust and other impurities so that the efficiency of the surface cooling is not negatively affected.

Prevention of hazards caused by electrical devices

Work on electrical devices in accordance with the standard may be carried out only by employees with the relevant qualifications. They must be fully familiar with the device. The electrical devices of the machine comply with the requirements of the applicable regulations and relevant technical standards, in particular the standards and related regulations.

The electrical devices of the machine must be connected to a 3 / N / PE AC 400 / 230V 50 Hz, TN-S or 3 / PE AC 400V 50Hz, TN-S power supply (refer to the technical data section in the electronic instructions) via a network through a flexible connection. One end is connected to the main connections and there is a fixed connection to the building's power distribution network.

The electrical circuit for connection to the power distribution network must be designed in accordance with the applicable regulations and technical standards relating to the equipment in question. The relevant regulations must also be followed. Protection against electric shock must be provided in accordance with the standard through an automatic disconnection from the power supply.

The flexible cable must not lie on the floor without adequate protection against mechanical damage. The initial connection of the flexible cable may be carried out only by an employee with the relevant qualifications. After the connection, the employee checks whether the electrical device is operating correctly, including the safety devices, the safety switch-off and safety blocking.

Please ensure that the safety instructions contained in the type-specific or product-specific operating instructions are followed strictly.