



# EIBENSTOCK

## Elektrowerkzeuge

### Original Instructions



**EHB 16 / 2.5 S R/L**



**WARNING:**

This product can expose you to chemicals including METHANOL, which is known to the State of California to cause birth defects or other reproductive harm.

For more information, go to:

[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## Important Safety Instructions

Important instructions and warning notices are allegorized on the machine by means of symbols:



**Before you start working, read the operating instructions of the machine.**



**Work concentrated and carefully. Keep your workplace clean and avoid dangerous situations.**



**In order to protect the user, take precautions.**

During work you should wear ear protectors, goggles, protective gloves and sturdy work clothes!



**wear ear protectors**



**wear goggles**



**wear protective gloves**

## Technical Data

### Hand-Held Drilling Machine EHB 16 / 2.5 S R/L

|                |          |
|----------------|----------|
| Rated voltage: | 120 V ~  |
| Rated current: | 12 A     |
| Order number:  | 0122T000 |

|                           |                       |
|---------------------------|-----------------------|
| Frequency:                | 50/60 Hz              |
| Max. basket diameter:     |                       |
| for steel:                | 5/8"                  |
| for aluminium:            | 1 1/8" 28             |
| for wood:                 | 2 1/2"                |
| Spindle connection:       | 5/8" - 16 UN          |
| Protection Class:         | II                    |
| Degree of Protection:     | IP 20                 |
| Net Weight:               | about 9,9 lbs.        |
| Interference Suppression: | EN 55014 and EN 61000 |

| Speed | Rated Speed | No-load speed |
|-------|-------------|---------------|
| I     | 0 – 420 rpm | 0 – 730 rpm   |
| II    | 0 – 790 rpm | 0 – 1370 rpm  |

Subject to technical alterations!

## Supply

Hand-held drilling machine with scroll chuck, additional handle, drill chuck key and operating instructions in a cardboard box.

## Application for Indented Purpose

The hand-held drilling machine is designed for professional use. Together with the appropriate drills it is used for drillings in steel, wood, plastics etc. The tool diameter must not exceed the diameters described under "Technical data".

## Safety Instructions



**Safe work with the machine is only possible if you read this operating instruction completely and follow the instructions contained strictly. Additionally, the general safety instructions of the leaflet supplied with the tool must be observed. Prior to the first use, the user should absolve a practical training. Save all warnings and instructions for future reference.**



If the connection cable gets damaged or cut during the use, do not touch it, but instantly pull the plug out of the socket. Never use the tool with a damaged connection cable.



Prior to drilling in walls and ceilings, check them for hidden cables, gas and water pipes and other media. Check the working area, e.g. using a metal detector.



The tool must neither be wet nor used in humid environment.

- Do not use the tool in an environment with danger of explosion.
- Do not use the tool standing on a ladder.
- Do not drill into asbestos-containing materials.
- Do not carry the tool at its cable, and always check the tool, cable and plug before use. Have damages only repaired by specialists. Only insert the plug into the socket when the tool switch is off.
- Modifications of the tool are prohibited.
- When the machine runs outside, always use a protection switch (30 mA max.) against fault current.
- Plug and switch the machine off if it is not under supervision, e. g. in case of putting up and stripping down the machine, in case of setting up and striking, voltage drop or when fixing or mounting an accessory.
- Switch the machine off if it stops for whatever reason. This way, you avoid that it starts suddenly and not under supervision.
- Do not use the machine if one part of the housing is damaged or in case of damages on the switch, cable or plug.
- While working always lead the line cord and extension cord to the back away from the machine.
- Electric tools have to be inspected visually by a specialist in regular intervals.
- Do not touch rotating parts.
- The tool may be used only in two-hand operation or with the drill rig.
- Keep the handles dry, clean and free of oil and grease.
- Persons under 16 years of age are not allowed to use the machine.
- During use, the user must wear goggles, ear protectors and protective gloves.



- **During use, hold the machine with both hands and maintain a safe standing position. Always consider the reaction moment of the tool.**
- **Hold the power tool by the insulated gripping surfaces when performing operations where the application tool could contact hidden wiring or its own power supply cable. Contact with a “live”**

wire will also make exposed metal parts of the tool “live” and shock the operator.

### **Safety instructions when using long drill bits.**

- **Never operate at higher speed than the maximum speed rating of the drill bit.** At higher speeds, the bit is likely to bend if allowed to rotate freely without contacting the workpiece, resulting in personal injury.
- **Always start drilling at low speed and with the bit tip in contact with the workpiece.** At higher speeds, the bit is likely to bend if allowed to rotate freely without contacting the workpiece, resulting in personal injury.
- **Apply pressure only in direct line with the bit and do not apply excessive pressure.** Bits can bend causing breakage or loss of control, resulting in personal injury.
- **Secure the work piece firmly.** A work piece that is gripped tightly in a clamping device or vice, is more secure than if held by hand.
- **Do not direct the power tool against yourself, other persons or animals.** Danger of injury from sharp or hot application tools.
- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- **When working overhead, beware of falling objects, such as chips. To prevent injuries, always keep your hands, clothing, etc. away from rotating swarf.** The swarf can cause injuries.
- **Do not attempt to remove the cutting tool if it still turns.** This can lead to serious injuries.
- **Always work with concentration. Always work in a carefully considered way and do not use the tool if you are lacking consideration.**

**For further safety instructions, please refer to the enclosure!**



### **Electrical Connection**

Before starting the machine, please check the correspondence between voltage and frequency against the data mentioned on the identification plate. Voltage differences of + 6 % and – 10 % are allowed.

The hand-held drilling machine is made in protection class II.

Only use extension cables with a sufficient cross section. A cross section which is too small could cause a considerable drop in performance and an overheating of machine and cable.

*Recommended extension cord sizes for use with portable electric tools:*

| <b>Length of Cord in Feet</b>  |       |        |        |         |         |         |         |         |         |         |
|--------------------------------|-------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 110                            | V     | 25 Ft. | 50 Ft. | 100 Ft. | 150 Ft. | 200 Ft. | 250 Ft. | 300 Ft. | 400 Ft. | 500 Ft. |
| <b>Nameplate Ampere Rating</b> | 0-2   | 18     | 18     | 18      | 16      | 16      | 14      | 14      | 12      | 12      |
|                                | 2-3   | 18     | 18     | 16      | 14      | 14      | 12      | 12      | 10      | 10      |
|                                | 3-4   | 18     | 18     | 16      | 14      | 12      | 12      | 10      | 10      | 8       |
|                                | 4-5   | 18     | 18     | 14      | 12      | 12      | 10      | 10      | 8       | 8       |
|                                | 5-6   | 18     | 16     | 14      | 12      | 10      | 10      | 8       | 8       | 6       |
|                                | 6-8   | 18     | 16     | 12      | 10      | 10      | 8       | 6       | 6       | 6       |
|                                | 8-10  | 18     | 14     | 12      | 10      | 8       | 8       | 6       | 6       | 4       |
|                                | 10-12 | 16     | 14     | 10      | 8       | 8       | 6       | 6       | 4       | 4       |
|                                | 12-14 | 16     | 12     | 10      | 8       | 6       | 6       | 6       | 4       | 2       |
|                                | 14-16 | 16     | 12     | 10      | 8       | 6       | 6       | 4       | 4       | 2       |
|                                | 16-18 | 14     | 12     | 8       | 8       | 6       | 4       | 4       | 2       | 2       |
|                                | 18-20 | 14     | 12     | 8       | 6       | 6       | 4       | 4       | 2       | 2       |

**Additional Handle**

**The hand-held drilling machine may be used only together with its additional handle which comes with the tool.**

Place it on the gearing collar from the front, bring into the requested position and fix it tightly by counterclockwise rotation of the handle.

**Tool Protection**

Wrong handling can cause damages on the tool and injuries of the user. Therefore, the following instructions should be observed:

Do not allow blocking of the tool.

**Only use original accessories made by EIBENSTOCK.**

**Switching on and off**

Short-Time Operation

Switching-on: press the on/off switch

Switching-off: release the on/off switch

Permanent Operation

Switching-on: press the on/off switch and, keeping it pressed, engage the lock-on button

Switching-off: press the on/off switch and release it again



### **Attention!**

**Only press the lock-on button when using a stand. In case of every stop of the machine, the lock-on button has to be released immediately by pressing the on/off switch. Consequently, you can avoid an unintentional restart of the machine (physical hazard).**

The hand-held drilling machines **EHB 16/2.5 S R/L** is equipped with an electronic switch allowing the slow start of drilling.

With this switch the speed can be regulated according to the pressure on the button.

A permanent use with reduced speed can cause an overload because the motor then gets less cooling air and therefore the machine will be overheated much faster.

Additional the machine has a change-over switch in the switch handle for reverse action.

**Use the change-over switch only when the spindle is stopped!**

### **Speed Selection**

The machine is equipped with a mechanical two-speed gearbox. Select the required speed by pressing-in, shifting and engaging. The position of the lower speed is in direction of the working spindle. Change the speed only when the machine is not running, and support the speed-changing by slightly rotating the work spindle.

### **Safety Clutch**

The safety clutch should absorb shock and excessive stress. It is an aid and not an absolute protection. Therefore you have to handle and drill carefully.

**To keep it in good condition, the clutch should slip for a very short time (max. 2 seconds) in each case only. After excessive wearing the clutch has to be renewed by an authorized service shop.**

### **Care and Maintenance**



**Before starting with the maintenance- und repair works you have to disconnect the plug from the mains.**

Repairs have to be carried out only by qualified and due to education and experience suited personnel.

After every repair the machine has to be inspected by an electric specialist. Due to its design, the machine needs a minimum of care and maintenance. The following works have to be carried out regularly:

- The electric tool as well as the ventilation slots always has to be clean.
- During work, please pay attention that no foreign elements get into the interior of the machine.
- In case of failure, a repair has to be carried out by an authorized service workshop.

Our after-sales service responds to your questions concerning maintenance and repair of your product as well as spare parts. EIBENSTOCK's application service team will gladly answer questions concerning our products and their accessories.

## Environmental Protection



### Raw material recycling instead of waste disposal

In order to avoid damages on transportation, the power tool has to be delivered in sturdy packing. The packing as well as the tool and its accessories are made of recyclable materials and can be disposed accordingly. The tool's plastic components are marked according to their material, which makes it possible to remove environmental friendly and differentiated because of available collection facilities.

#### Only for EU countries



Do not dispose of electric tools together with household waste material!

In observance of European Directive 2012/19/EU on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

## Noise Emission / Vibration

The indication of noise emission is measured according to EN 62841-2-1. The level of acoustic pressure on the work place could exceed 85 dB (A); in this case protection measures must be taken.



**Wear ear protectors!**

The typical hand-arm vibration is below 2.5 m/s<sup>2</sup>.

Measured values determined according to EN 62841-2-1.

|                          |                            |
|--------------------------|----------------------------|
| Vibration emission value | $a_h$ 0,8 m/s <sup>2</sup> |
| Uncertainty              | K 0,1 m/s <sup>2</sup>     |

The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period. An estimation of the level of exposure to vibration should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Identify additional safety measures to protect the operator from the effects of vibration such as: maintain the tool and the accessories, keep the hands warm, organisation of work patterns.

### **Dust protection**

Dust from material such as paint containing lead, some wood species, minerals and metal may be harmful. Contact with or inhalation of the dust may cause allergic reactions and/or respiratory diseases to the operator or bystanders.

Certain kinds of dust are classified as carcinogenic such as oak and beech dust especially in conjunction with additives for wood conditioning (chromate, wood preservative). Material containing asbestos must only be treated by specialists.

- Where the use of a dust extraction device is possible it shall be used.
- The work place must be well ventilated.
- The use of a dust mask of filter class P2 is recommended.

### **Warranty**

According to our general terms of delivery for business dealings, suppliers have to provide to companies a warranty period of 12 months for redhibitory defects (to be documented by invoice or delivery note).

Damages due to natural wear, overstraining or improper handling are excluded from this warranty.

Damages due to material defects or production faults shall be eliminated free of charge by either repair or replacement.

Complaints will be accepted only if the tool is returned in non-dismantled condition to the manufacturer or an authorized Eibenstock service centre.

## EU - Declaration of Conformity

We declare under our sole responsibility that the product described under "Technical Data" is in conformity with the following standards or standardization documents:

EN 62841-1:2023-03

EN 62841-2-1:2023-06

EN 55014-1:2022-12

EN 55014-2:2022-10

EN 61000-3-2:2019-12

EN 61000-3-3:2023-02

EN IEC 63000:2019-05

according to the provisions of the directives 2011/65/EU, 2014/30/EU, 2006/42/EG

Technical file (2006/42/EC) at:

Elektrowerkzeuge GmbH Eibenstock

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D – 08309 Eibenstock



Lothar Lässig  
General Manager



Frank Markert  
Head of Engineering

## GB - Declaration of Conformity

We declare as the manufacturer under our sole responsibility that the product described under "Technical Data" fulfils all the relevant provisions of the following Regulations S.I. 2008/1597 (as amended), S.I. 2017/1206 (as amended), S.I. 2012/3032 (as amended) and that the following designated standards have been used:

BS EN 62841-1:2023-03

BS EN 62841-2-1:2023-06

BS EN 55014-1:2022-12

BS EN 55014-2:2022-10

BS EN 61000-3-2:2019-12

BS EN 61000-3-3:2023-02

BS EN IEC 63000:2019-05

Technical file (S.I. 2008/1597) at:

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Lothar Lässig  
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Eibenstock, 13.06.2025

Subject to change without notice.

Your distributor

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