



# EIBENSTOCK

## Elektrowerkzeuge

GB

## Original Instructions



### EHB 32/4.2





## 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 32/4.2**

Rated voltage:	120 V ~
Rated current:	15 A
Oder no.:	0154E000

Frequency:	50/60 Hz
Max. drilling diameter in steel:	1 1/4"
Spindle connection:	MT 3
Protection class:	II
Degree of protection:	IP 20
Net weight:	about 15 lbs.
Interference suppression:	EN 55014 and EN 61000

Speed	Rated speeds	No load speeds
●	110 rpm	210 rpm
●●	175 rpm	330 rpm
●●●	245 rpm	460 rpm
●●●●	385 rpm	720 rpm

Subject to technical alterations!

#### Available special accessories:

Item	Order No.
Magnetic drill rig B32.1	09507000
Mount MT 3 – Ø 19 mm Weldon	33125000
Taper mandrel MT 3 B18	33112000
Scroll chuck B18 max. clamping diameter 16 mm	33342000
Reducing sleeve MT 3 – MT 2	33621000

## Supply

Hand-held drilling machine with additional handle, drill drift size 3 and operating instructions in a cardboard box.

## Application for Indented Purpose

The Hand-Held Drilling Machine **EHB 32/4.2** is designed for professional use. Together with the appropriate drills or cutters it is used for drillings in wood, metal and plastics. When using cutters for working with metal, it is compulsory to use an adequate drill rig.

During freehand drilling especially consider the reaction torque. This could lead to a dangerous situation while careless use.

## 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.**



If the connecting cable is getting damaged or cut during the work, don't touch it, but instantly pull the plug out of the socket. Never use the machine with damaged connecting 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. by 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.



- **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.
- **During use, hold the machine with both hands and maintain a safe standing position. Always consider the reaction moment of the tool.**
- **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 check the correspondence between voltage and frequency according to the data mentioned on the identification plate. Voltage differences from + 6 % and – 10 % are allowed.

The stirrer is made in protection class II. Only use extension cables with a sufficient cross-section. A cross-section which is too small could lead to an excessive power loss and to an overheating of motor 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

**When using the machine handheld than only with its additional handle.**

For mounting, screw it in the thread on the gearbox housing and fix it tightly.

## Instructions

Only use faultless and sharp drilling tools and avoid that the machine stops due to overload.

### Mounting the tool



**Disconnect the plug from the mains before every tool change!**

#### Twist drills:

- Drills with MT 3 connection can be directly fit in the drill spindle.
- For twist drills with MT 2 connection use a reducing sleeve MT 3 – MT 2.
- For twist drills with parallel shank use a drill chuck B18 with appropriate taper mandrel MT 3 - B18.

#### Core drills:

- For working with core drills you need a mount MT 3 – Ø 19 Weldon.
- Fit the ejector pin of suitable length in the core drill.
- Place the core drill in the Weldon mount so that the two Allen screws hit the two surfaces of the shaft.
- Tighten the Allen screws equally.
- Fill cutting oil in one of the holes.

### Attention!

**Never press the tool into the tool connection with might and main!  
Morse taper and – cone have to be free of grease and dirt.**

### Removing the tool

Put the drill drift in the opening of the gearbox collar.

If you cannot insert the drill drift through the work spindle, turn the work spindle slightly.

Remove the tool from the work spindle by a slight impact on the drill drift.

## Tool Protection

Wrong handling can cause damages on the tool.

Therefore, please always observe the following instructions:

Do not allow blocking of the tool due to overload.

**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

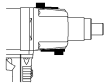
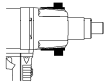
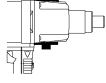
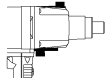


### **Attention!**

**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).**

## Changing Gears

The machine is equipped with a mechanical four-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.

	Speed	EHB 32/4.2
	I	110 rpm
	II	175 rpm
	III	245 rpm
	IV	385 rpm

### Attention!



- Never apply force, and change the gear only when the tool is running down or running out.
- Never use tools, such as hammers or pliers to change the gear.

### 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 the beginning of maintenance or repair works you have to disconnect the plug from the mains.**

Repairs may be executed only by appropriately qualified and experienced 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. However, the following points always have to be observed:

- Always keep the power tool and the ventilation slots clean.
- During work, please pay attention that no particles get inside the machine.
- In case of failure, a repair has to be carried out by an authorised service workshop.

### 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 DIN 45 635, part 21. 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 60 745

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, oversteering 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.

### **CE 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 60 745

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

Technical file (2006/42/EC) at:

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Your Distributor

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