

# **EUROBOOR**

FOR PROFESSIONALS BY PROFESSIONALS

## **ORIGINAL INSTRUCTIONS**

### **PORTABLE BEVELLING MACHINE**

### **EUROBOOR B45**





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# SAFETY

## GENERAL SAFETY INFORMATION

WARNING



**READ AND UNDERSTAND ALL SAFETY INFORMATION AND INSTRUCTIONS.** FAILURE TO FOLLOW THE WARNINGS AND INSTRUCTIONS MAY RESULT IN ELECTRIC SHOCK, FIRE AND/OR SERIOUS INJURY.

**SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE.**

THE TERM “POWER TOOL” IN THE WARNINGS REFERS TO YOUR MAINS-OPERATED CORDED POWER TOOL.

### 1. WORK AREA SAFETY

- a) **Keep work area clean and well lit.** Cluttered and dark areas invite accidents.
- b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

### 2. ELECTRICAL SAFETY

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock
- b) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device(RCD)protected supply.** Use of an RCD reduces the risk of electric shock.

### 3. PERSONAL SAFETY

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.

- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and /or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f) **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.
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust related hazards.

#### 4. POWER TOOL USE AND CARE

- a) **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- b) **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

#### 5. Service

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

## SPECIFIC SAFETY INFORMATION

### 1. ELECTRICAL SAFETY

#### DANGER

ELECTRICAL VOLTAGE! RISK OF FATAL INJURY DUE TO ELECTRIC SHOCK!

- a) Grounded tools must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances. Never remove the grounding prong or modify the plug in any way. Do not use adaptor plugs. Check with a qualified electrician if you are in doubt whether the outlet is properly grounded. If the tools should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user
- b) When operation the tool outside, use an outdoor extension cord market "W-A" or "W". These cords are rated for outdoor use and reduce the risk of electric shock
- c) Extension cables must have a sufficient cross-section so as to prevent an excessive drop in voltage, or overheating. An excessive drop in voltage reduces the output an can lead to failure of the motor
- d) Never use multiple extensions cables together. Use a single longer one instead
- e) Check the plug, cable and machine for damage each time using the machine
- f) Remove the plug from the plug socket before undertaking an maintenance work on the power tool

### 2. PERSONAL SAFETY

- a) Check the plug, cable and machine for damage each time using the machine
- b) Remove the plug from the plug socket before undertaking an maintenance work on the power tool

#### WARNING

RISK OF INJURY FROM HIGH-TEMPERATURE CHIPS

- c) Never touch the tool holder and keep all vulnerable body parts clear while the machine is running, as high-temperature chips are expelled at high speed during operation
- d) During operation, always guide the machine in a direction away from the body
- e) Do not use the machine above your head

**WARNING**

**RISK OF INJURY TO HANDS**

- f) Do not reach into the processing line with your hands
- g) Use both hands to hold and operate the machine

**WARNING**

**DUST CREATED BY POWER GRINDING MAY HARM YOUR HEALTH**

- h) Some types of dust, such as dust from lead-based paint, is known to cause cancer, birth defects or other reproductive harm. Risk varies on exposure and should always be reduced by working in a well-ventilated area and by making use of approved safety equipment, such as dust masks specifically designed to filter out microscopic particles

**WARNING**

**NEVER MACHINE MATERIALS WHICH CONTAIN ASBESTOS**

- i) Only use recommended triangle carbide inserts (“cutting plates”), rated at the machine’s maximum cutting rate or higher
- j) Do not use dull or damaged cutting plates to prevent excessive friction and load, and thus to prevent damage to and failure of the machine
- k) Maintain labels and identification plates, as they carry important information. If unreadable or missing, obtain replacement

**3. TOOL USE AND CARE**

**WARNING**

- a) **Hold power tool by insulated gripping surfaces, because the cutter may contact its own cord.** Cutting a “live” wire may make exposed metal parts of the power tool “live” and shock the operator

**WARNING**

- b) **Use clamps or another practical way to secure and support the workpiece to a stable platform.** Holding the work by your hand or against the body leaves it unstable and may lead to loss of control.

**4. SERVICE**

- a) Only use original EUROBOOR parts, accessories and consumables
- b) Have maintenance carried out by EUROBOOR specialists

# DESCRIPTION

## INTENDED USE

This shape bevelling and deburring tool is an electrically driven portable machine for machining workpieces in steel, chrome steel alloys, aluminium, aluminium alloys, brass and plastic. The machine is designed exclusively for adding bevelled edges, rounding off edges, removing burrs and removing sharp corners on workpieces. The speed of the machine is variable to suit the needs of various materials and is equipped with a graduated depth adjustable deck. It comes standard with a 45° milling head for use with triangle indexable cutter inserts (“cutting plates”) to achieve quick and easy bevelling. Optional 30° and 45° R2.5 radius tool holders are available and can also be used.

### WARNING

The machine should not be used in any other way than described in this manual. The machine should also not be converted or modified for any other form of use other than described in this manual. The user is liable for damages and accidents resulting from any modifications made or incorrect use.

## TECHNICAL DATA

Trademark:	EUROBOOR
Model:	B45
Rated voltage:	220-240V~ / 110-120V
Rated power (input):	1500W
Rated frequency:	50-60Hz
Spindle speed:	2000-6000/min (variable speed)
Bevel angle:	45 degree (optional 30 degree)
Spindle thread:	M12x1.5mm
Max. bevel depth (45 degree):	6mm
Min. diameter for inside bevels:	20mm
Net weight:	4.6kg

## BOX CONTENTS

- Protective case
- Bevelling machine
- Auxiliary front handle
- Standard 45 degree milling head
- Spanner 22mm
- C-spanner
- L-type Torx wrench

## NOISE

$L_{pA}$ :	86.47dB(A)
$L_{wA}$ :	97.47dB(A)
Uncertainty K:	3dB(A)

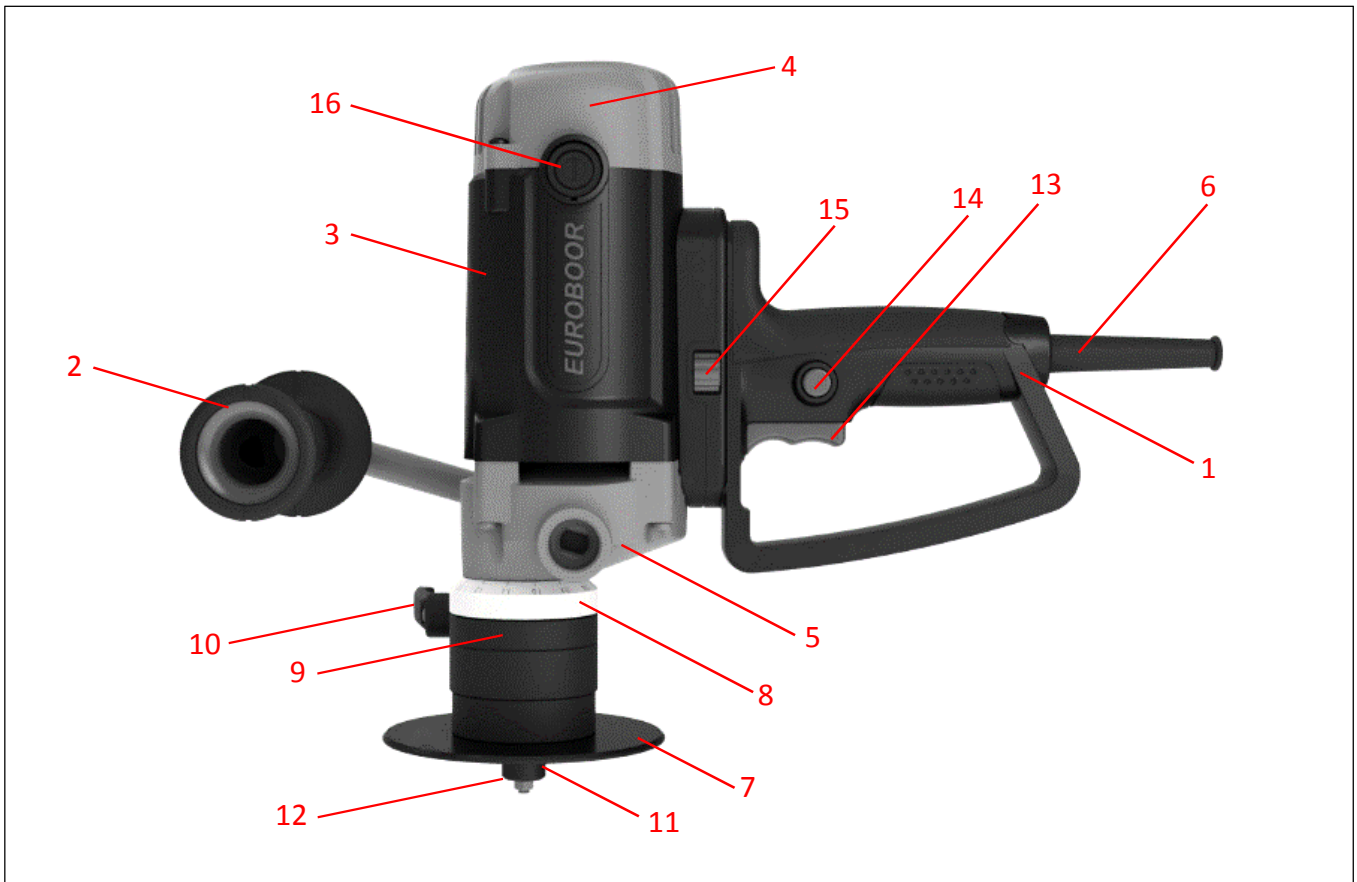
## VIBRATION

Main Handle:	2.738m/s <sup>2</sup>
Aux. handle:	2.572m/s <sup>2</sup>
Uncertainty K:	1.5m/s <sup>2</sup>

For an overview of accessories and consumables, see chapter ACCESSORIES & CONSUMABLES (page 21).



## DESCRIPTION & FEATURES









[Fig. A]

1. Main handle
2. Auxiliary front handle
3. Motor housing
4. Motor cover
5. Gear casing
6. Power cord
7. Support deck
8. Dial ring
9. Clamping ring
10. Clamping ring lever
11. Milling head
12. Impeller
13. On/off trigger switch
14. Lock pin
15. Speed adjustment wheel
16. Carbon brush holder

## SYMBOLS

The following symbols are important for reading and understanding this instruction manual. The correct interpretation will help you operate the machine better and safer.

Symbol	Name	Meaning
	CE approval	This machine has been tested for, and meets the safety standards required for CE approval
	Safety class II	Indicates a double insulated tool
	Do not bin	If this machine is broken and can no longer be used do not throw it in the bin. Instead offer it at a recycling point for safe and environmental friendly disposal and future reuse of the materials
	Read operating manual	Read the operator's manual and safety information in their entirety before starting up the machine. Closely follow the instructions given
	Ear protection	Wear ear protection while using this machine
	Eye protection	Wear eye protection while using this machine
<b>V</b>	Volt	Voltage
<b>~</b>	Alternating current	Type of alternating current
<b>Hz</b>	Hertz	Frequency (oscillations per second)
<b>W</b>	Watt	Power, power input
<b>mm</b>	Millimetres	Indicates a dimension, such as thickness, length or depth
<b>kg</b>	Kilograms	Indicates weight
<b>/min</b>	Revolutions	Revolution speed per minute

## NOISE & VIBRATION INFORMATION



### WEAR HEARING PROTECTION WHILE OPERATING THE POWER TOOLS

The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another.

The declared vibration total value may also be used in a preliminary assessment of exposure

#### WARNING

The vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used.

There is the need to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

### RESIDUAL RISKS

#### WARNING

Even when the power tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the power tool's construction and design:

1. Damage to lungs if an effective dust mask is not worn
2. Damage to hearing if effective hearing protection is not worn
3. Damages to health resulting from vibration emission if the power tool is being used over longer period of time or not adequately managed and properly maintained.

#### WARNING

This machine produced an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this machine.

## PREPARATION & ADJUSTMENT

### UNPACKING

Carefully remove the machine, separate parts and accessories from the box. Retain all packing materials until after you have inspected and satisfactorily operated the machine.

Make sure to dispose the packaging material responsibly and offer it for recycling.

### FINAL ASSEMBLY

The machine comes fully assembled, except for the auxiliary front handle.

For right handed operators, mount the auxiliary front handle on the right side of the machine [Fig. B]



[Fig. B]

For left handed operators, mount the auxiliary front handle on the left side of the machine [Fig. C]



[Fig. C]

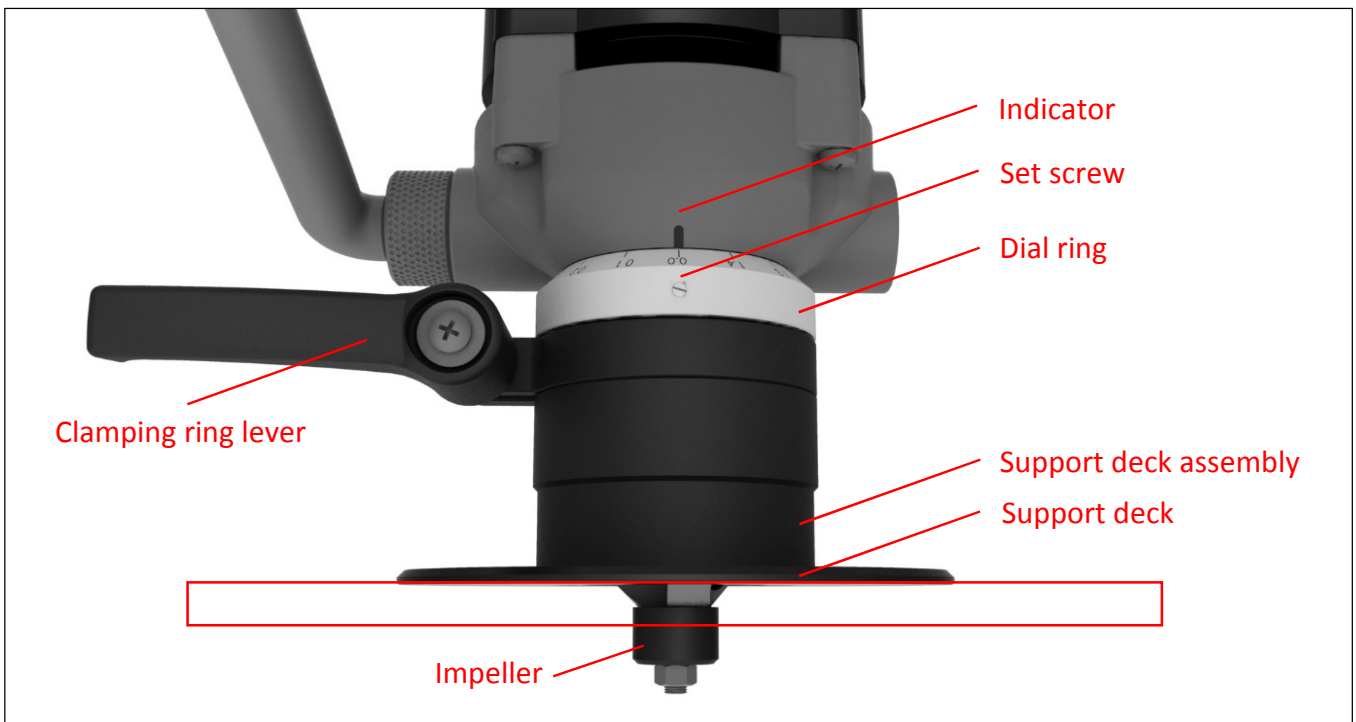
- 1) Enter the flat sided pin of the bar in the destined slot on the side of the machine firmly. The bar of the front handle should be positioned in an 30 degree upward angle
- 2) Tighten the locking nut first by hand, and then firmly with the supplied spanner 22mm (clockwise)

**WARNING**

The machine should not be used without this auxiliary front handle, always make sure it is fitted correctly and tightly before use.

**SETTING-ZERO POSITION**

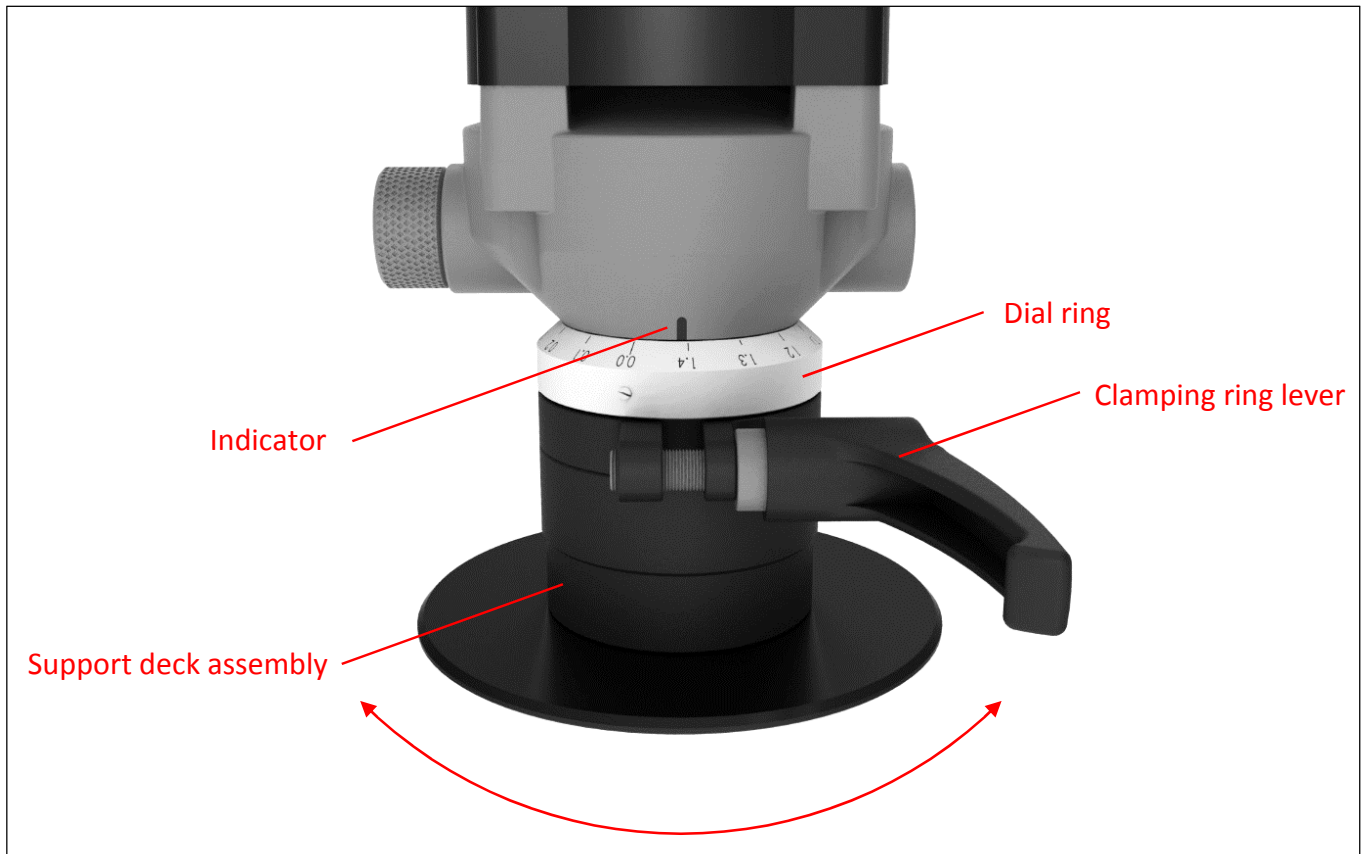
The machine's bevel depth is set at zero from the factory. If the setting is disturbed, the zero position has to be set again.



[Fig. D]

- 1) Loosen the clamping ring lever
- 2) Loosen the support deck assembly until the inserts are below flush level
- 3) Keep a steel ruler square on both the impeller and the support deck
- 4) Slowly adjust the support deck until the ruler just touches the cutting plate. This is the zero position
- 5) Lock the clamping ring lever
- 6) Untighten the set screw in the dial
- 7) Rotate the dial ring until the zero matches the indicator on the machine
- 8) Retighten the set screw in the dial

## SETTING BEVEL DEPTH



[Fig. E]

- 1) Loosen the clamping ring lever
- 2) Rotate the entire support deck assembly, use the dial ring as indication for the depth adjustment. Each complete rotation corresponds to a bevel depth of 1.5 mm (indicated on scale).

The bevel depth (in mm) is calculated as follows, with example:

$$\begin{array}{rclcl} \text{[value on scale]} & + & \text{[value on dial ring]} & = & \text{bevel depth} \\ 1.5 & + & 0.7 & = & 2.2 \text{ mm} \end{array}$$

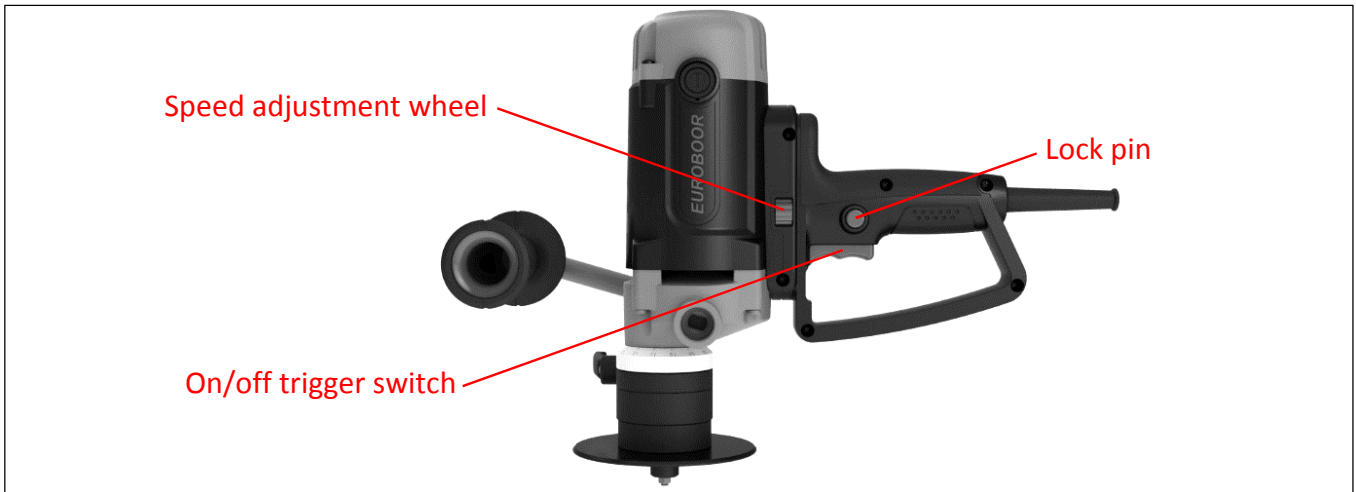
- 3) Tighten the clamping ring lever

# OPERATION

## STARTING & STOPPING

### WARNING

Make sure the power circuit voltage is the same as shown on the specification plate on the machine. Make sure the On/off trigger switch is in the “off” position before plugging in the machine.



[Fig. F]

### Switching on

Press the On/off trigger switch [Fig. F] to start the machine. The anti-kickback and breakthrough torque control provides a “slow start”: the machine needs a couple of seconds to reach its set running speed. The On/off trigger switch can be locked in the “on” position by pressing the lock pin [Fig. F] while the machine is running.

### Controlling running speed

This machine is equipped with variable speed control. The speed adjustment wheel [Fig. F] can be rolled down to increase the machine speed and up to decrease the machine speed.

### Switching off

If the lock pin is not engaged, release the on/off trigger switch. [Fig. F]

If the lock pin is engaged, squeeze and release the on/off trigger switch. [Fig. F]

### WARNING

The milling head of the machine needs a couple of seconds to come to a complete standstill after the machine has been switched off. Be careful for any chips that may be released by the rotation and make sure that nothing touches the moving parts.

### Overheat protection

This machine is equipped with an overheat protection which switches off the motor when running hot. Allow the machine at least 5 minutes to cool off and let it run in idle for another couple of minutes before resuming work.

## USING THE MACHINE

### WARNING

- Make sure the machine is always in a stable position before and during use
  - Do not operate the machine above your head
  - Never touch the milling head while the machine is running
  - Always operate the machine away from your body
  - Work is performed with two-hand operation for all machine positions. When operation the machine ensure that the machine is held with both hands in such a way that both hands are kept away from the processing point. Make sure the auxiliary front handle is positioned correctly. For details see chapter FINAL ASSEMBLY (page 12)
  - Do not use this tool continuously for a period over 30 minutes
- 1) Set the speed adjustment wheel to the highest speed
  - 2) Switch the machine on. Do not move the machine towards the workpiece until full speed has been reached
  - 3) Hold the machine in such a way that the support deck is flat on the workpiece

### CAUTION

**From the operator's perspective, the milling head is spinning clockwise. The machine must always be guided from left to right (conventional up milling), or clockwise when processing inside bevels.**

- 4) Slightly push the machine against the workpiece and let the machine do its work. Lower the speed of the machine if necessary (depending on the material of the workpiece) and slowly move the machine in the correct direction to make the bevel. Avoid collisions during processing

### CAUTION

**Do not bevel more than 2mm depth per pass. If more depth is needed, adjust the bevelling depth in steps of maximum 2mm and make multiple passes until the required depth is reached.**

- 5) Once the bevelling pass is completed, take the machine from the workpiece
- 6) Switch the machine off

**Note: adding cutting oil will improve operation and increase the life span of the cutting plates. See chapter ACCESSORIES & CONSUMABLES (page 21) for more information.**



# MAINTENANCE

## WARNING

Take care of the following before undertaking any maintenance work on the machine:

- Remove the plug from the socket
- Be careful for the sharp cutting plates in the milling head
- Be careful for hot components, like the motor and the milling head. Let the machine cool down first after it has been used
- Wear safety gear, including gloves and glasses

## CAUTION

Check the machine regularly for wear. Worn bearings in the milling head and blunt cutting plates are the main cause for uneven finishes and rough and long operation. Replace worn components in good time to reduce stress on the machine and increase its longevity.

Only use original EUROBOOR parts, accessories and consumables. Have maintenance carried out by EUROBOOR specialists.

## CLEANING AND LUBRICATING

Clean the machine after each use. Compressed air can be used to blow off dirt and blow out all air passages. All plastic parts should be cleaned with a soft damp cloth. Never use solvents to clean plastic parts.

Every 100 hours of operation, have the gearbox grease replaced by a qualified service technician.

## CHANGING OR REPLACING THE MILLING HEAD

The EUROBOOR B45 machine is standard equipped with a 45° milling head. When showing signs of wear, a replacement piece (part number B45.1202) can be ordered from your EUROBOOR reseller. Also available are a 30° milling head (part number B45.1201) and 45° with R2.5 radius milling head (part number B45.1203). Both can be ordered as optional accessory from you EUROBOOR reseller.

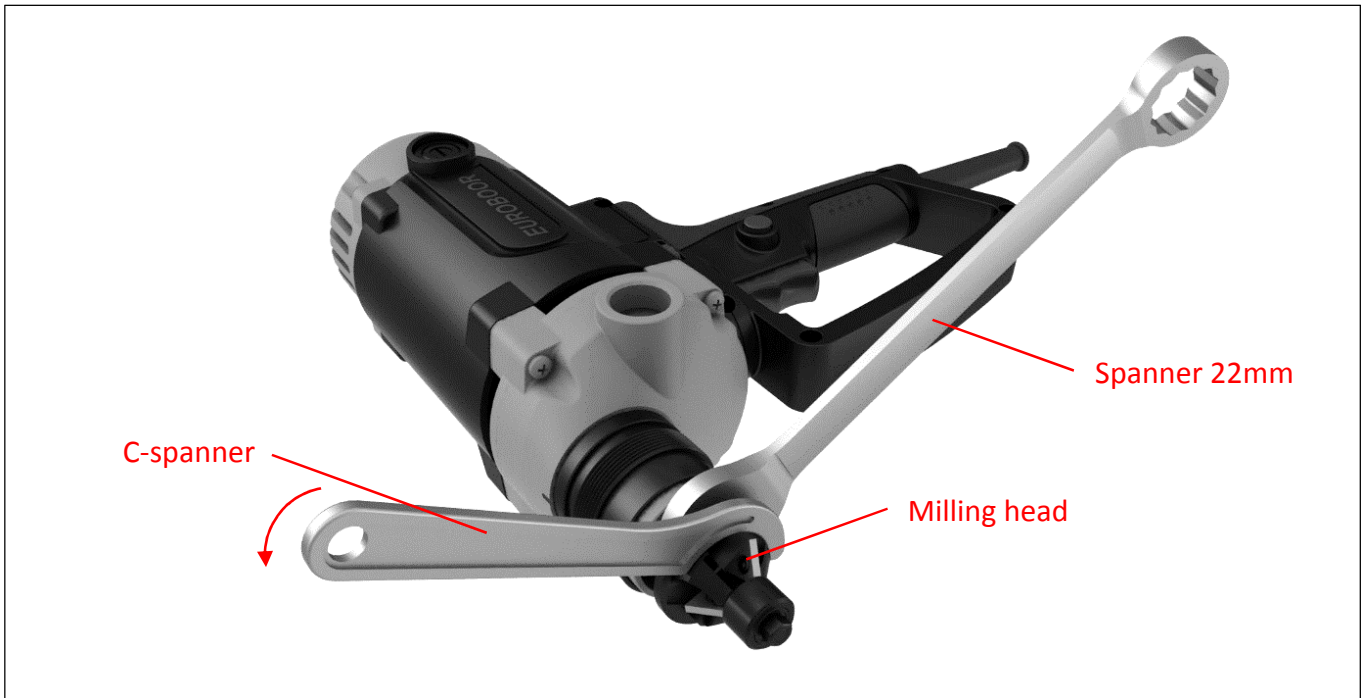
For every type of milling head the replacement procedure is the same.

- 1) Loosen the clamping ring lever
- 2) Rotate the entire support deck assembly until it comes off the machine [Fig. G]
- 3) Use the supplied spanner 22mm to hold the spindle in place
- 4) Use the supplied C-spanner to loosen the milling head, and turn it off the machine [Fig. H]

Assembly in reversed order. Always check for damaged or worn-out parts and replace them when necessary. Always clean and lubricate parts prior to refitting.



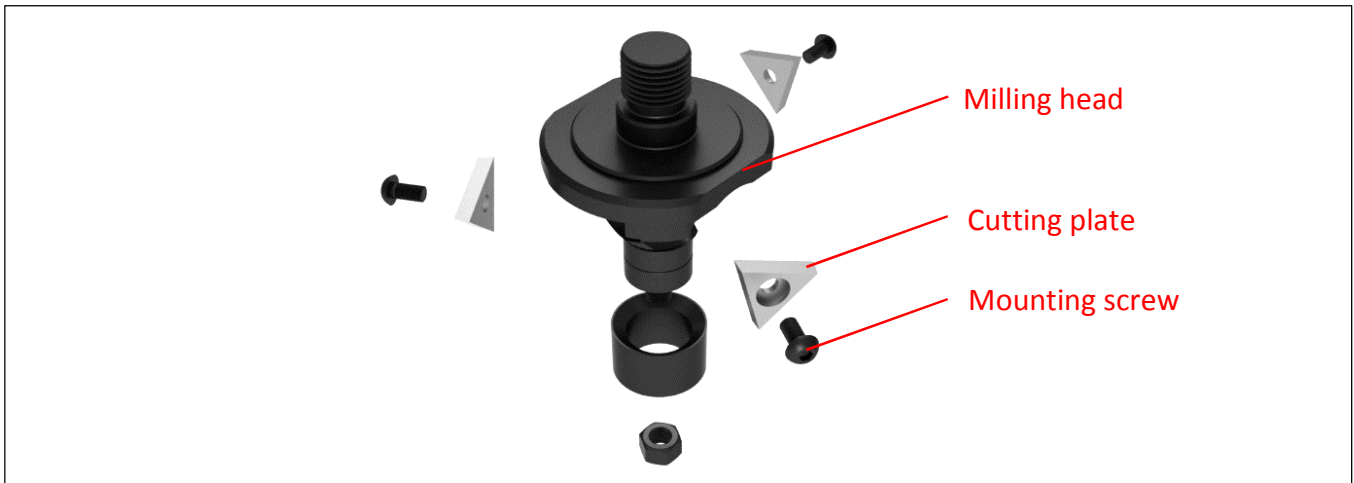
[Fig. G]



[Fig. H]

## ROTATING AND REPLACING CUTTING PLATES

Each of the 3 cutting plates on the milling head has 3 usable sides. When the used side of either of the 3 cutting plates is dull, the cutting plates can be rotated to position a sharp side in the correct direction.



[Fig. I]

- 1) Remove the milling head as described in chapter CHANGING OR REPLACING THE MILLING HEAD (page 16)
- 2) Clamp the milling head in a vice on the far outer rim
- 3) Mark dull side on all 3 cutting plates
- 4) Undo mounting screw with the supplied L-type Torx wrench
- 5) Take of cutting plate, rotate 120° and put it back in place
- 6) Fasten the mounting screw with the supplied L-type Torx wrench
- 7) Refit the milling head and other components as described in chapter CHANGING OR REPLACING THE MILLING HEAD (page 16)

### CAUTION

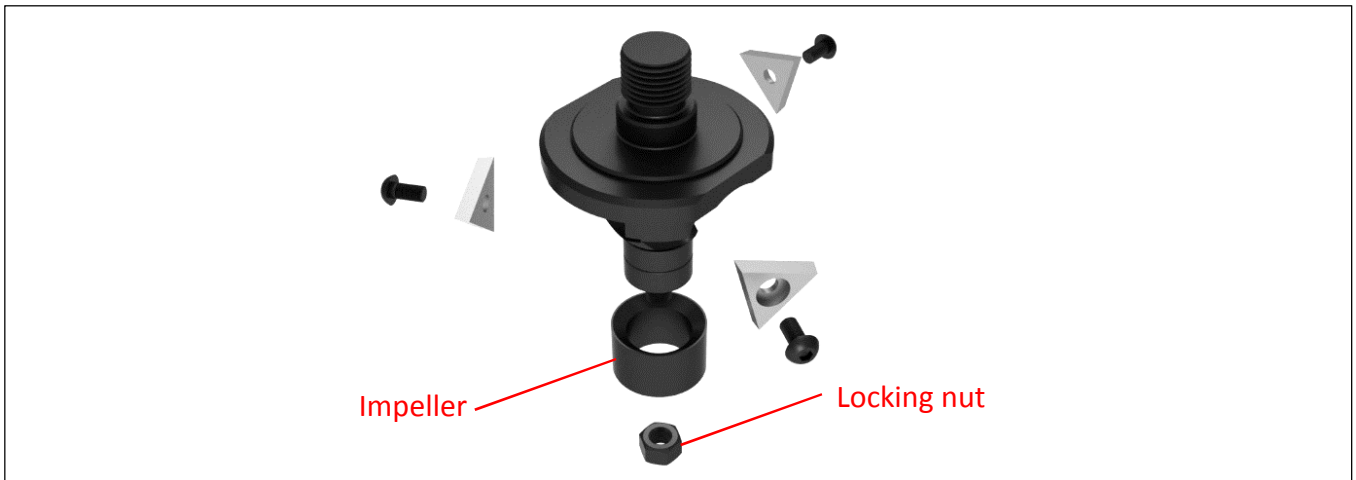
- a) Always rotate the 3 cutting plates at the same time
- b) Always replace the 3 cutting plates at the same time, using the same brand and type for all 3 pieces

Once all 3 sides of the cutting plates are used, they need to be replaced. Use official EUROBOOR cutting plates to ensure the same quality and endurance. See chapter ACCESSORIES & CONSUMABLES (page 21) for more information.

- 1) Undo mounting screw with the supplied L-type Torx wrench
- 2) Take of old cutting plate, put replacement piece in place
- 3) Fasten the mounting screw with the supplied L-type Torx wrench

## REPLACING THE IMPELLER

The impeller contains 2 bearings which are subject to regular wear. A worn-out impeller results in a roughly operating machine and an uneven bevel. It can be replaced as follows:



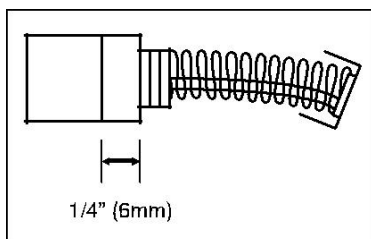
[Fig. J]

- 1) Remove the milling head as described in chapter CHANGING OR REPLACING THE MILLING HEAD (page 16)
- 2) Clamp the milling head in a vice on the far outer rim
- 3) Undo the locking nut
- 4) Use a small pulley puller to pull the impeller with its bearings off the milling head
- 5) Gently tap the new impeller with bearings into place
- 6) Replace the locking nut and fasten it
- 7) Refit the milling head and other components as described in chapter CHANGING OR REPLACING THE MILLING HEAD (page 16)

## REPLACING CARBON BRUSHES

Carbon brushes are normal wearing parts and may need replacement after a longer time of use. The motor of the machine comes to a standstill whenever the brushes are worn out.

To prevent sudden standstill during operation, replacing the carbon brushes when they reach their wear limit [Fig. K] is advised.



[Fig. K]



[Fig. L]

- 1) Use a flat-blade screwdriver to remove the brush caps (use the slot and turn anti-clockwise)
- 2) Withdraw the old carbon brushes
- 3) Place the new carbon brushes in the destined slots, ensuring they align properly and slide freely.
- 4) Fit the brush caps onto the carbon brush ends, gently compress the carbon brush spring and handtighten 2 full turns (turn clockwise)
- 5) Use a flat-blade screwdriver to tighten the brush caps (use the slot and turn clockwise)

**CAUTION**

Always replace carbon brushes as pair. Always use official EUROBOOR carbon brushes which can be ordered from your EUROBOOR reseller. See chapter ACCESSORIES & CONSUMABLES (page 21) for more information.

## ACCESSORIES & CONSUMABLES

### ACCESSORIES

#### Milling heads

B45.1201	Milling head 30°
B45.1202	Milling head 45°
B45.1203	Milling head 45° R2.5

### CONSUMABLES

#### Carbon brushes

B45.0061	Set of 2 carbon brushes 2 carbon brushes per machine required
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#### Cutting plates

LKS.20	Cutting plate for 30° & 45° milling heads 3 pieces per milling head required. Sold per 10 pieces
LKS.20-R	Cutting plate for 45° R2.5 milling head 3 pieces per milling head required. Sold per 10 pieces

#### Cutting oil

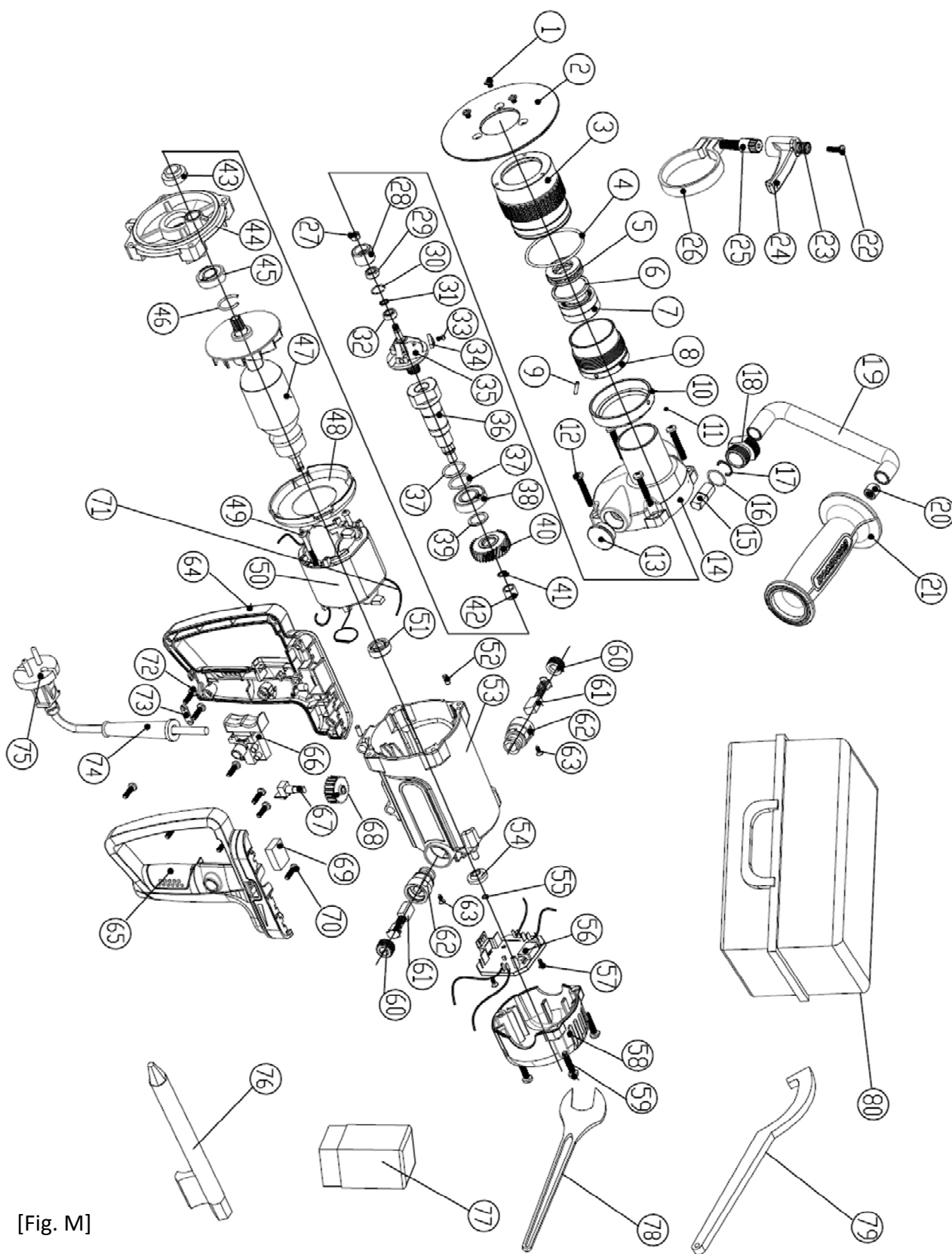
For a complete overview of our available and suitable cutting lubricants, see our website:



[www.euroboor.com/drilling-tools/accessories/lubricants](http://www.euroboor.com/drilling-tools/accessories/lubricants)

# EXPLODED VIEW & SPARE PART LIST

## EXPLODED VIEW



[Fig. M]

## SPARE PART LIST

Item	Part number	Part description	Quantity
1	B45.0001	Flat head screw M4x10mm	3
2	B45.0002	Support deck plate	1
3	B45.0003	Support deck body	1
4	B45.0004	O-ring	1
5	B45.0005	Thrust ball bearing "51104"	1
6	B45.0006	Spindle washer ( $\varnothing 37 \times \varnothing 30 \times 3 \text{mm}$ )	1
7	B45.0007	Single needle roller bearing "4904"	1
8	B45.0008	Inner support barrel	1
9	B45.0009	Cylindrical cotter pin $\varnothing 3 \times 12 \text{mm}$	1
10	B45.0010	Dial ring	1
11	B45.0011	Set screw M4x4	1
12	B45.0012	Fixing screw Torx M4.8x40	4
13	B45.0013	Plug	1
14	B45.0014	Gear case	1
15-21	B45.0015	Auxiliary handle assembly complete	1
21	B45.0021	Auxiliary handle grip	1
22-26	B45.0022	Locking ring assembly complete	1
27	B45.0027	Lock nut M5	1
27-32	B45.0028-1	Impeller assembly complete (30°)	1
	B45.0028-2	Impeller assembly complete (45° and 45° R2.5)	1
33	B45.0033	Fixing screw Torx M3x6	3
34	LKS.20	Cutting plate for 30° & 45° milling heads (sold per 10 pieces)	3
	LKS.20-R	Cutting plate for 45° R2.5 milling heads (sold per 10 pieces)	3
27-35	B45.1201	Milling head complete 30°	1
	B45.1202	Milling head complete 45°	1
	B45.1203	Milling head complete 45° R2.5	1
36	B45.0036	Spindle	1
37	B45.0037	Ring $\varnothing 20 \text{ mm}$	2
38	B45.0038	Bearing "6002"	1
39	B45.0039	Washer ( $\varnothing 21 \times \varnothing 15 \times 4.1 \text{mm}$ )	1
40	B45.0040	Spindle gear	1
41	B45.0041	Circlip $\varnothing 12 \text{mm}$	1
42	B45.0042	Needle roller bearing "0810"	1
43	B45.0043	Oil seal	1
44	B45.0044	Gear plate	1
45	B45.0045	Bearing "6001"	1
46	B45.0046	Circlip $\varnothing 28 \text{mm}$	1



47	B45.0047/230	Armature 230V (including fan)	1
	B45.0047/110	Armature 110V (including fan)	1
48	B45.0048	Wind ring	1
49	B45.0049	Stator screw	2
50	B45.0050/230	Stator 230V (including carbon brush spring)	1
	B45.0050/110	Stator 110V (including carbon brush spring)	1
51	B45.0051	Bearing "627"	1
52	B45.0052	Pin 4x26mm	2
53	B45.0053	Motor housing	1
54	B45.0054	Speed detect ring	1
55	B45.0055	Limit block	1
56	B45.0056/230	Printed circuit board including heatsink 230V	1
	B45.0056/110	Printed circuit board including heatsink 110V	1
57	B45.0057	Flathead screw ST2.9x12mm	2
58	B45.0058	Motor cover	1
59	B45.0059	Fixing screw Torx M4.8x25	3
60	B45.0060	Carbon brush cap	2
61	B45.0061	Carbon brush (sold as set of 2 carbon brushes)	2
62	B45.0062	Carbon brush holder	2
63	B45.0063	Fixing screw Torx ST4.2x10	2
64	B45.0064	Left handle (including covering)	1
65	B45.0065	Right handle (including covering)	1
66	B45.0066	On/Off trigger switch	1
67	B45.0067	Speed controller	1
68	B45.0068	Speed control wheel	1
69	B45.0069	Capacitance (0,33uF)	1
70	B45.0070	Fixing screw Torx ST4.2x16mm	5
71	B45.0071	Negative temperature coefficient	1
72	B45.0072	Fixing screw Torx ST4.2x10mm	4
73	B45.0073	Cord holder	1
74	B45.0074	Power cord protection	1
75	B45.0075	Power cord	1
76	B45.0076	L-type torx wrench	1
77	B45.0077	Box	1
78	B45.0078	Spanner 22mm	1
79	B45.0079	C-spanner 34-36mm	1
80	B45.0080	Protective case	1

## WARRANTY & SERVICE

### WARRANTY

EUROBOOR B.V. warrants this bevelling machine to be free of material defects and workmanship errors under normal use for a period of 12 months after date of purchase.

This 12 month period can be extended to 24 months in total by registering the product on the EUROBOOR website:



[www.euroboor.com/support/register-your-product](http://www.euroboor.com/support/register-your-product)

To apply for warranty always contact original point of sales or if no longer existent the distributor of EUROBOOR products in your country. The following is required for application:

- Original invoice (copy)
- Serial number
- Detailed description of reason for application

### SERVICE

To maximize the lifetime of your EUROBOOR B45 bevelling machine always use of service and parts on offer through the official EUROBOOR distribution channel. Whenever in need of such, always contact original point of sales or if no longer existent the distributor of EUROBOOR products in your country.

### NOTES


## ADDITIONAL INFORMATION

### CERTIFICATION

#### EC DECLARATION OF CONFORMITY

We declare that the machinery

Product name: Portable Bevelling Machine  
Trade Mark: EUROBOOR  
Model: B45  
Function: Bevelling edges and corners on metal workpieces  
Type: Electric  
Serial number: Engineering sample

fulfils all the relevant provisions of Directives  
2006/42/EC, 2004/108/EC

and tested in accordance with below standards  
EN 60745-1, EN 60745-2-17, EN 55014-1, EN 55014-2, EN 61000-3-2, EN 61000-3-3

name and address of the person (established in the Community) compiled the technical file:

EUROBOOR B.V.  
Kryptonstraat 110  
2718TD Zoetermeer  
The Netherlands

Zoetermeer, April 2015

Albert Koster



Managing Director

EUROBOOR B.V.  
KRYPTONSTRAAT 110  
2718TD ZOETERMEER  
THE NETHERLANDS

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