

## Bevelling machine

# B45S

Serial number:

Date of purchase:

**Don't forget to register your machine at:**

**[www.euroboor.com/register](http://www.euroboor.com/register)**

**[ only when registered you benefit from extended warranty ]**

Congratulations on purchasing this premium bevelling machine. At EUROBOOR we strive to exceed our customers' expectations by developing and providing premium and innovative portable drilling, bevelling and cutting solutions. We believe that a professional like you must be able to rely on a professional supplier. Which has led us to become a major player in the industrial world, with our own factory and several offices worldwide. All because we have always listened to our customers and to the demands from the market.

Our vision is focused on developing innovative portable tools that add value for our customers and facilitate them in their daily work. We never lose sight of sustainability, time savings and cost savings.

Enjoy your new machine!

Before operating your new bevelling machine, please first read all instructions. You find the instructions in this manual and on the warning label on your machine. With proper use, care and maintenance your machine will provide you with years of premium performance.

**TO REDUCE THE RISK OF INJURY USER MUST READ AND UNDERSTAND ALL INSTRUCTIONS**

To view all our offices and their contact information please visit [www.euroboor.com](http://www.euroboor.com).

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# 1. Safety

## 1.1 General safety instructions

Do not use this bevelling machine before you have thoroughly read and completely understood this manual, specifically the “General safety instructions” and “Specific safety information” , including the figures, specifications, safety regulations and the signs indicating DANGER, WARNING and CAUTION.



**WARNING:** When using electrical tools basic safety precautions should always be followed to reduce the risk of fire, electrical shock and personal injury.

Please also observe the relevant national industrial safety regulations. Non-observance of the safety instructions can lead to an electric shock, burns and/or severe injuries.

This manual should be kept for later use and enclosed with the bevelling machine, should it be passed on or sold.

### Work area

1. Keep your work area clean and well lit. Cluttered and dark work areas increase the change of accidents.
2. Do not operate a bevelling machine in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. A bevelling machine may create sparks which could ignite the dust or fumes.
3. Keep bystanders, children and visitors away while operating a bevelling machine. Distractions can cause you to lose control.

### Electrical safety

1. A bevelling machine plug must match the outlet. Never modify the plug in any way. Do not use any adapter plugs.
2. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.
3. Do not expose the bevelling machine to rain or wet conditions. Water entering a machine will increase the risk of electric shock.
4. Do not abuse the cord. Never use the cord to carry the bevelling machine or pull the plug from an outlet. Keep the cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.
5. When operating a bevelling machine, use an extension cord suitable for outdoor use, this reduces the risk of electric shock.
6. If operating a bevelling machine in a damp location is unavoidable, use a residual current device (RCD), this reduces the risk of electric shock.

## **Personal safety**

1. Stay alert, watch what you are doing and use common sense when using a bevelling machine. Do not use the machine while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating a bevelling machine may result in serious personal injury.
2. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
3. Avoid accidental starting. Be sure the switch is off before plugging the machine in. Carrying a bevelling machine with your finger on the switch or plugging in a bevelling machine that has the switch on increases the chance of accidents.
4. Never place hands, fingers, gloves or clothing near bevelling area or rotating machine parts.
5. Remove adjusting keys or switches before turning the machine on. A wrench or a key that is left attached to a rotating part of the machine may result in personal injury.
6. Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control of the bevelling machine in unexpected situations.
7. Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat and hearing protection must be used for optimal safety.

## **Machine use and care**

1. Do not force the bevelling machine. Use the correct bevelling machine for your application. The correct bevelling machine will do the job better and safer at the rate for which it was designed.
2. Do not use the machine when the switch does not turn it on or off. Any machine that cannot be controlled with the switch is dangerous and must be repaired.
3. Disconnect the plug from the power source before making any adjustments, changing accessories or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.
4. Store your bevelling machine out of reach for children and other untrained persons. Tools are dangerous in the hands of untrained users.
5. Maintain your bevelling machine with care. Keep bevelling tools sharp and clean. Properly maintained tools, which are sharp, are less likely to break and are easier to control.
6. Check for misalignment of moving parts, breakage of parts and any other condition that may affect the machine's operation. If you detect damage have the machine serviced before use. Many accidents are caused by poorly maintained tools.
7. Only use accessories that are recommended by EUROBOOR for your machine model. Accessories that are suitable for one machine may become hazardous when used on another machine.

## **Service**

- Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.
- When servicing a tool, use only identical replacement parts. Follow instructions in the maintenance section of this manual. Use of unauthorised parts or failure to follow maintenance instructions may create a risk of electric shock or injury.
- When using this machine, you must wear ear and eye protection.

## 1.2 Specific safety information



**WARNING:** Electrical voltage! Risk of fatal injury due to electrical shock.

- 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.
- When operating the bevelling machine outside, use an outdoor extension cord marked “W-A” or “W”. These cords are rated for outdoor use and reduce the risk of electric shock.
- Extension cables must have a sufficient cross-section, as to prevent an excessive drop in voltage or overheating. An excessive drop in voltage reduces the output and can lead to failure of the motor.
- Never use multiple extensions cables together. Use a single longer one instead.
- Check the plug, cable and machine for damage each time using the machine.
- Remove the plug from the plug socket before undertaking maintenance work on the bevelling machine.
- Hold bevelling machine by insulated gripping surfaces, because the milling head may contact its own cord. Cutting a “live” wire may make exposed metal parts of the bevelling machine “live” and shock the user.



**WARNING:** Risk of injury from high-temperature chips

**WARNING:** Risk of injury to hands

- Keep your fingers away from the bevelling area.
- Keep all vulnerable body parts clear while the bevelling machine is running, as high-temperature chips are expelled at high speed during operation.
- During operation, always guide the machine in a direction away from the body.
- Do not use the bevelling machine above your head.
- Do not reach into the processing line with your hands.
- Use both hands to hold and operate the bevelling machine.
- Use clamps or another practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against the body leaves it unstable and may lead to loss of control.



**WARNING:** Dust created by bevelling may harm your health

- 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 bevel materials which contain asbestos

- Only use recommended EUROBOOR cutting plates, rated at the machine's maximum cutting rate or higher.
- Do not use dull or damaged cutting plates to prevent excessive friction and load, and thus to prevent damage to and failure of the bevelling machine.
- Maintain labels and identification plates, as they carry important information. If unreadable or missing, obtain replacement.

## Residual risk



**WARNING:** In spite of following the relevant safety regulations and their implementation, certain residual risks cannot be avoided.

These are:

- Damage to lungs if an effective dust mask is not worn.
- Damage to hearing if effective hearing protection is not worn.
- Damages to health resulting from vibration emission if the bevelling machine is being used over longer period of time or not adequately managed and properly maintained.
- Impairment of hearing.
- Risk of personal injury from flying particles.
- Risk of burns due to accessories becoming hot during operation.
- Risk of personal injury due to prolonged use.

Always try to reduce these risks as much as possible.



**WARNING:** This machine produces 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.

## 2. Description

### 2.1 Intended use

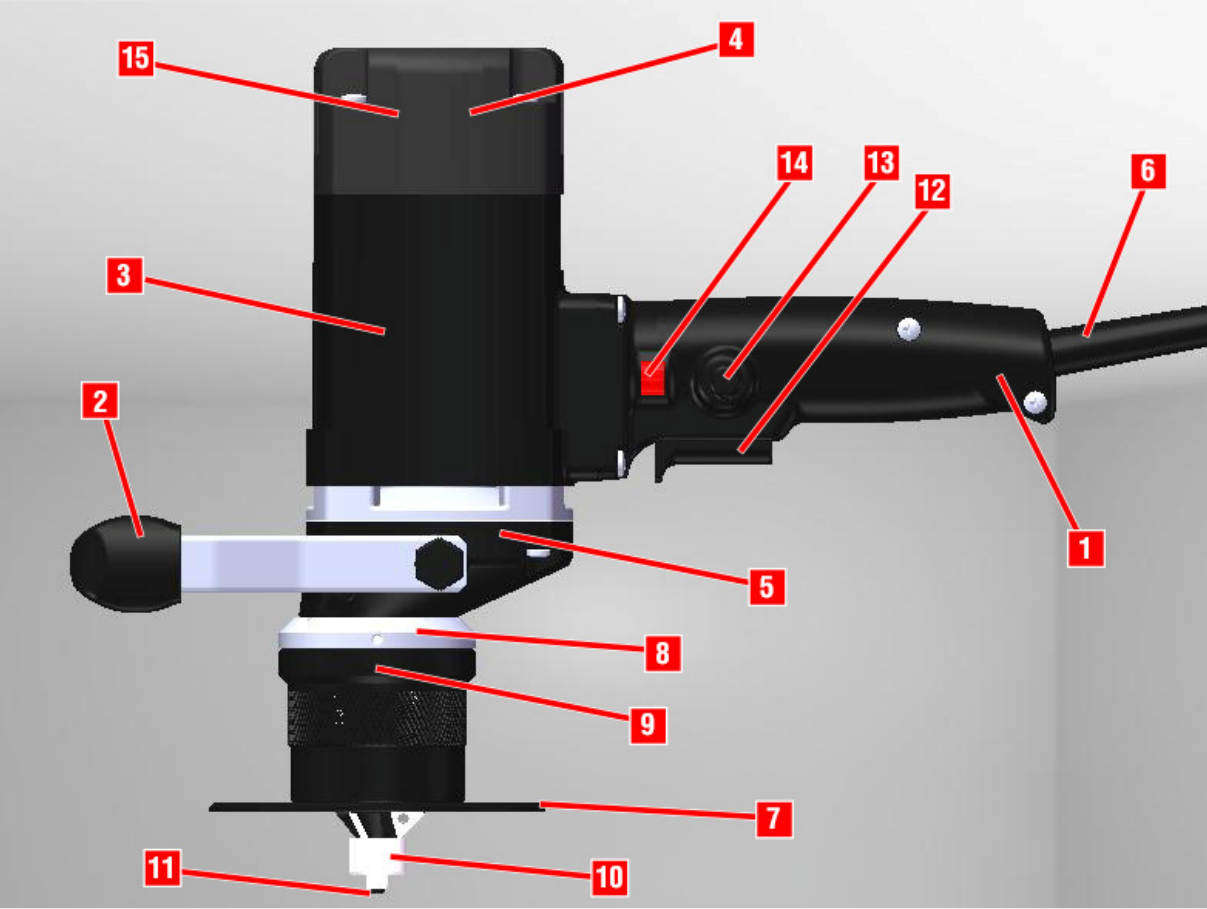
This bevelling machine is an electrically driven portable machine for machining workpieces in steel, chrome steel alloys, aluminium, aluminium alloys, brass and plastic. The machine is designed exclusively for adding bevelled edges, rounding off edges, removing burrs and removing sharp corners on workpieces. 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 including cutting plates. Optionally available are 30° and R2.5 milling heads as well as corresponding cutting plates.



**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.



## 2.2 Description and features



[image 2-1]

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

## 2.3 Case content

- 1 x B45S Beveling machine, including 45° milling head with cutting plates
- 1 x user manual
- 1 x auxiliary front handle
- 1 x spanner 22 mm (7/8")
- 1 x C-spanner
- 1 x L-type torx wrench
- 1 x T-wrench / Allen key 4 mm

## 2.4 Technical data

	Metric	Imperial
<b>Spindle speed</b>	1,750 - 5,250 rpm	
<b>Max. bevel depth</b>	6 mm (45°)	1/4" (45°)
<b>Min. diameter for inside bevels</b>	20 mm	13/16"
<b>Spindle thread</b>	M12 x 1.75	
<b>Length</b>	458 mm	18"
<b>Width</b>	137 mm	5 3/8"
<b>Height</b>	300 mm	11 13/16"
<b>Weight</b>	4.8 kg	10.6 lbs
<b>Motor power</b>	1,250 W	11.4 A
<b>Voltage</b>	110 - 120 V / 60 Hz 220 - 240 V / 50 - 60 Hz	

## 2.5 Noise and vibration information



### Wear hearing protection while operating the beveling machine

#### Noise

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

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.

#### Vibration







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



**WARNING:** The vibration emission during actual use of the beveling machine can differ from the declared total value depending on the ways in which the machine is used.

There is the need to identify safety measures to protect the user that are based on an estimation of exposure in the actual conditions of use (taking into account 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).

## 2.6 Symbols

Symbol	Term, meaning	Explanation
	Read documentation	Be sure to read the documentation in this user manual and specifically the “General safety instructions” and “Specific safety information”.
	Wear ear protection	Use ear protection during operation.
	Wear eye protection	Use eye protection during operation.
	Danger/warning/caution	Read and apply the information in the adjacent text!
	European conformity symbol	Confirms the conformity of the bevelling machine with the directives of the European Community.
	Class of protection II	Product with double insulation and exposed (touchable) conductive parts additionally connected to the protective earth conductor.
mm	Millimeter	Unit of measure for the dimensions.
"	Inch	Unit of measure for the dimensions.
kg	Kilogram	Unit of measure for the mass.
lbs	Pound	Unit of measure for the mass.
V	Volt	Unit of measure for the electric voltage.
A	Ampere	Unit of measure for the electric current intensity.
W	Watt	Unit of measure for the output.
dB	Decibel	Unit of measure for the sound intensity.
m/s <sup>2</sup>		Unit of measure for the vibration.

## 2.7 Environmental



Separate collection. This product must not be disposed of with normal household waste.



Separate collection of used products and packaging allows materials to be recycled and used again. Re-use of recycled materials helps prevent environmental pollution and reduces the demand for raw materials.

Local regulations may provide for separate collection of electrical products from the household, at municipal waste sites or by the retailer when you purchase a new product.

## 3. Preparation & adjustment

### 3.1 Assembly

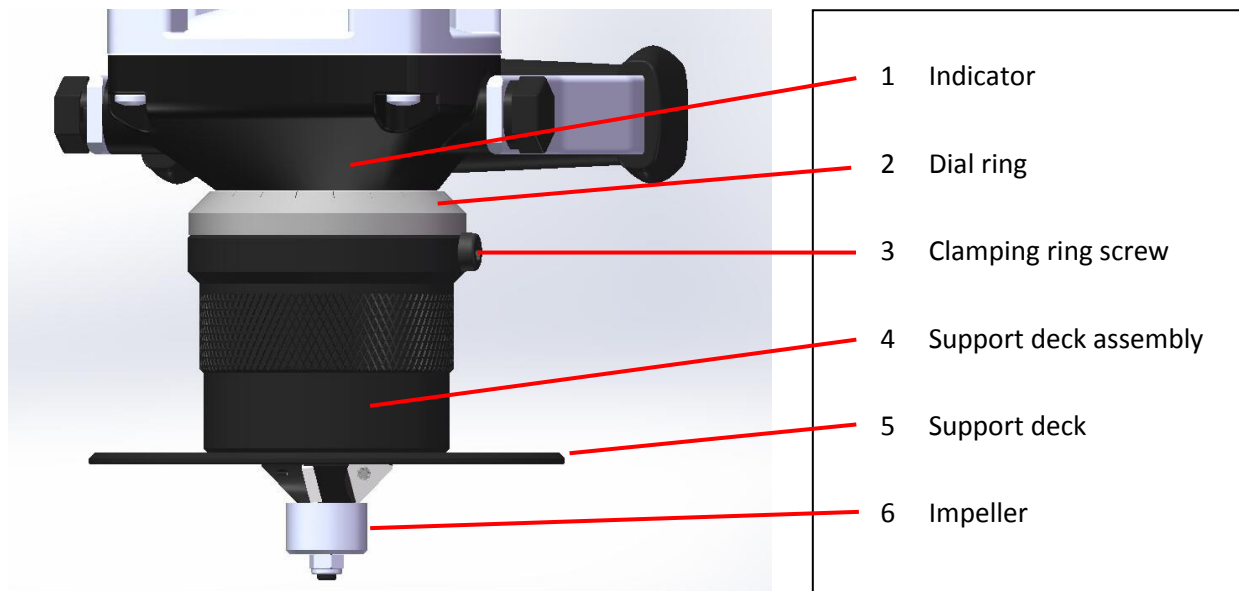


**WARNING:** To reduce the risk of injury, turn machine off and disconnect from power source before installing and removing accessories, before adjusting or changing set-ups or when making repairs. An accidental start-up can cause injury.

The machine comes fully assembled. So to start your bevelling job, you only need to check the bevel depth.

#### Setting bevel depth at zero position

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



[image 3-1]

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

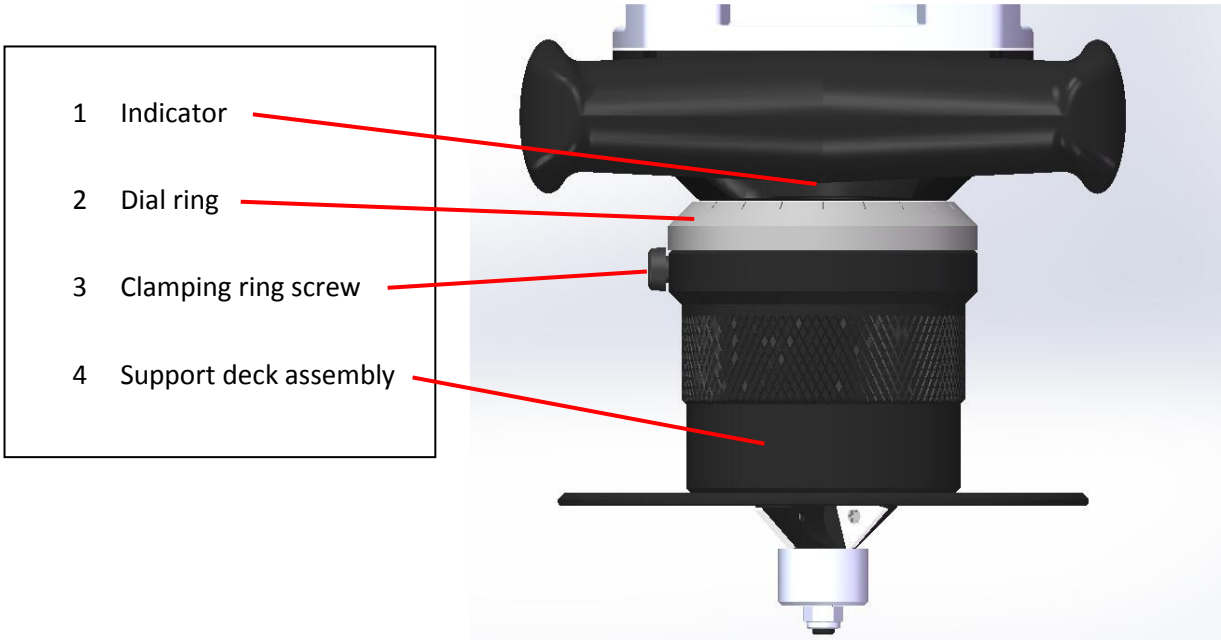
**Setting bevel depth**

- 1. Loosen the clamping ring screw.
- 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 (0.06"), this is indicated on the scale.

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

[value on scale]	+	[value on dial ring]	=	bevel depth
1.5	+	0.7	=	2.2 mm (0.09")

- 3. Tighten the clamping ring screw.



[image 3-2]

## 3.2 Prior to use

Check the machine for possible damage; Before using the machine, you must carefully check the protective components or slightly damaged components to ensure they are operating perfectly and as intended.

Check that moving parts are in perfect working order, do not jam and check whether the parts are damaged. All parts must be correctly installed and fulfill all conditions necessary to ensure perfect operation of the machine.

Damaged protective components must be repaired or replaced according to specifications by EUROBOOR or any authorised EUROBOOR dealer.

**DO NOT** use under wet conditions or in presence of flammable liquids or gases.

**DO NOT** let children come into contact with the machine. Supervision is required when inexperienced operators use this 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 paragraph 3.1.
- Do not use this tool continuously for a period over 30 minutes.

### **Electrical safety**

Always check that the power supply corresponds to the voltage on the rating plate. If the supply cord is damaged, it must be replaced by a specially prepared cord available at EUROBOOR or your EUROBOOR dealer.

## 4. Using the machine



**WARNING:** Always observe the safety instructions and applicable regulations.

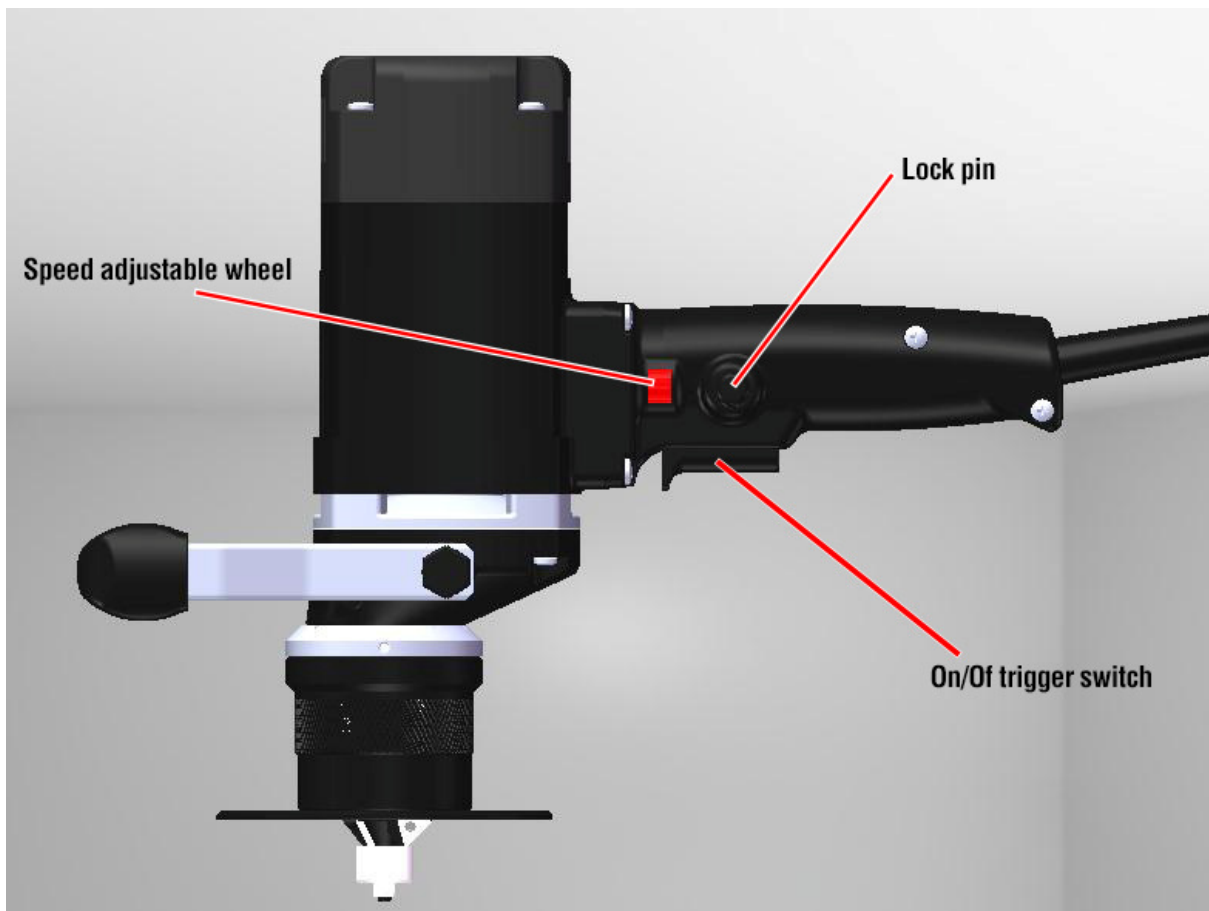


**WARNING:** To reduce the risk of serious personal injury, turn the machine off and disconnect the machine from power source before making any adjustments or removing/installing attachments or accessories.

### 4.1 Starting and 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.



[image 4-1]

#### Switching on

Press the On/Off trigger switch 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 while the machine is running.



### Controlling running speed

This machine is equipped with variable speed control. The speed adjustment wheel 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.

If the lock pin is engaged, squeeze and release the On/Off trigger switch.



**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 idle for another couple of minutes before resuming work.

### Working with the machine

- 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.
- 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.



**WARNING:** From the users' 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.

- 5) Once the bevelling pass is completed, take the machine from the workpiece.



**WARNING:** Do not bevel more than 2 mm (1/16") depth per pass. If more depth is needed, adjust the bevelling depth in steps of maximum 2 mm (1/16") and make multiple passes until the required depth is reached.

- 6) Switch the machine off.

**Note:** adding cutting oil will improve operation and increase the life span of the cutting plates.

## 5. Maintenance

Your EUROBOOR bevelling machine has been designed to operate over a long period of time. Continuous satisfactory operation depends upon proper tool care and regular cleaning.



**CAUTION: To reduce the risk of injury, turn the machine off and disconnect machine from power source before installing and removing accessories, before adjusting or changing set-ups or when making repairs. Be sure the switch is in the OFF position. An accidental start-up can cause injury.**

Just as every bevelling machine with moving parts, your EUROBOOR bevelling machine also needs regular maintenance service. A few recommendations follow :

### Visually check the machine for damage

The machine must be checked before operating for any signs of damage that will affect the operation of the machine. Particular notice must be taken of the main cable, if the machine appears to be damaged it should not be used. Failure to do so may cause injury or death.

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 an EUROBOOR specialist.

### Cleaning

- Clean all dirt, dust and metal of your bevelling machine;
- Blow dirt and dust out all air passages with dry air as often as dirt is seen collecting in and around the air vents. Wear approved eye protection and an approved dust mask;
- Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

### Check machine grease

The gearbox grease should be checked and replaced at least once a year, or every 100 hours of operation, to ensure maximum lubrication and cooling, and thus the best performance of the machine.

### Changing or replacing the milling head

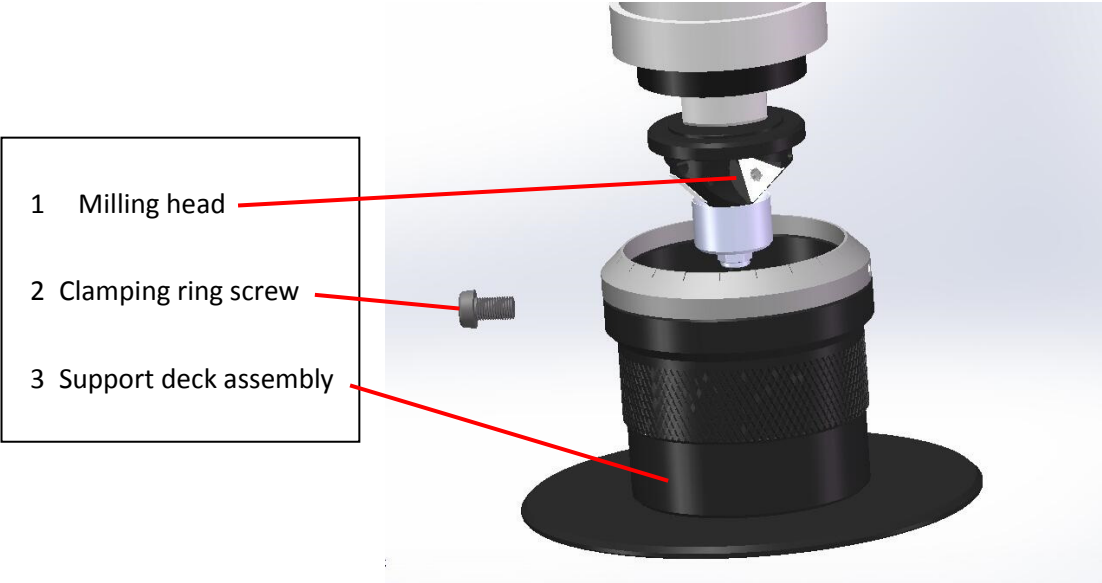
The bevelling machine is standard equipped with a 45° milling head. When showing signs of wear, a replacement piece (part number B45S.1011) can be ordered from your EUROBOOR reseller.

Also available are a 30° milling head (part number B45S.1011) and R2.5 radius milling head (part number B45S.1011B). Both can be ordered as optional accessories from your 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.
3. Use the supplied spanner 22 mm (7/8") to hold the spindle in place.
4. Use the supplied C-spanner to loosen the milling head, and turn it off the machine.

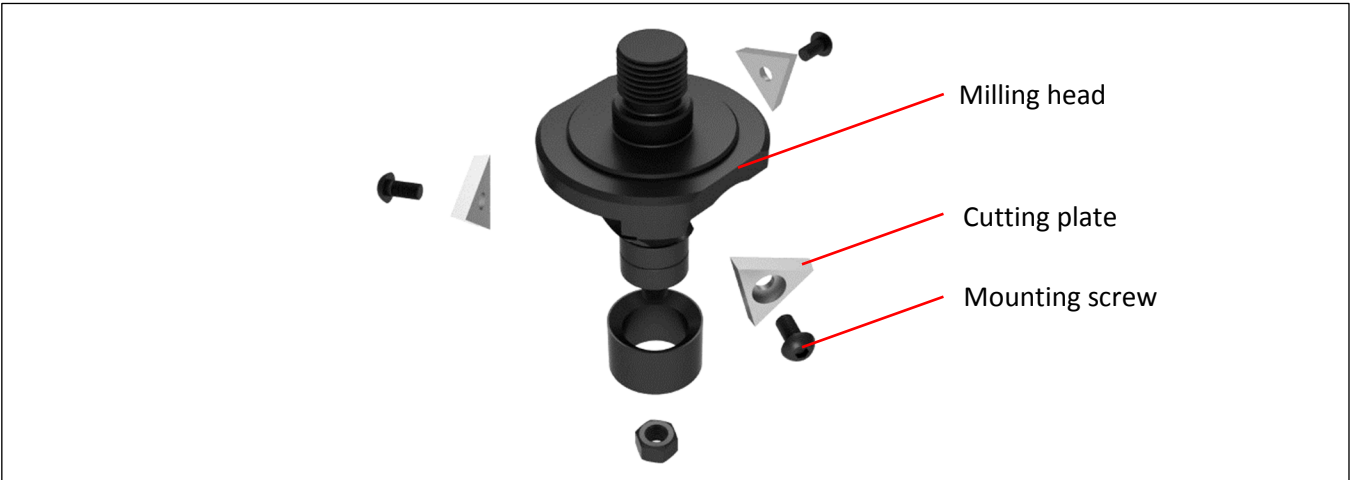
Assembly in reversed order. Always check for damaged or worn-out parts and replace them when necessary. Always clean and lubricate parts prior to refitting.



[image 5-1]

**Rotating and replacing cutting plates**

Each of the 3 cutting plates on the milling head have 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.



[image 5-2]

### Rotating cutting plates:

1. Remove the milling head as described in previous paragraph: Changing or replacing the milling head.
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 previous paragraph: Changing or replacing the milling head.



#### **WARNING:**

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

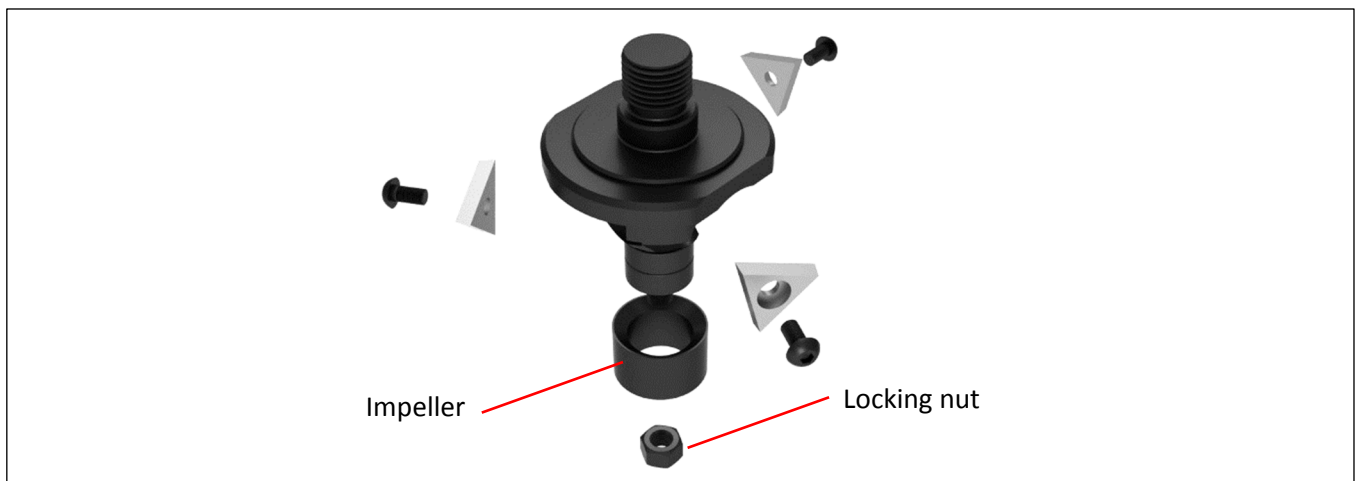
Once all 3 sides of the cutting plates are used, they need to be replaced. Use official EUROBOOR cutting plates to ensure the same quality and endurance.

### Replacing cutting plates:

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:



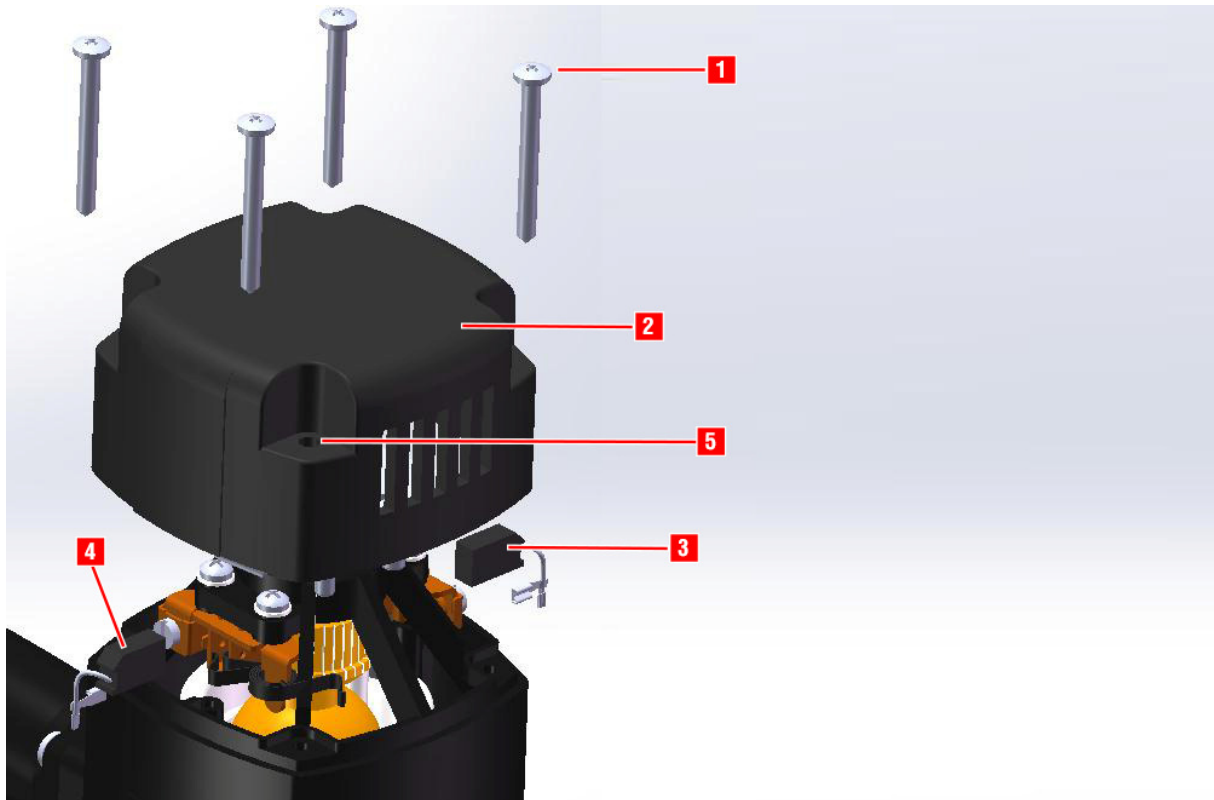
[image 5-3]

1. Remove the milling head as described in paragraph: Changing or replacing the milling head.
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 paragraph: Changing or replacing the milling head.

### 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 is advised.



[image 5-4]

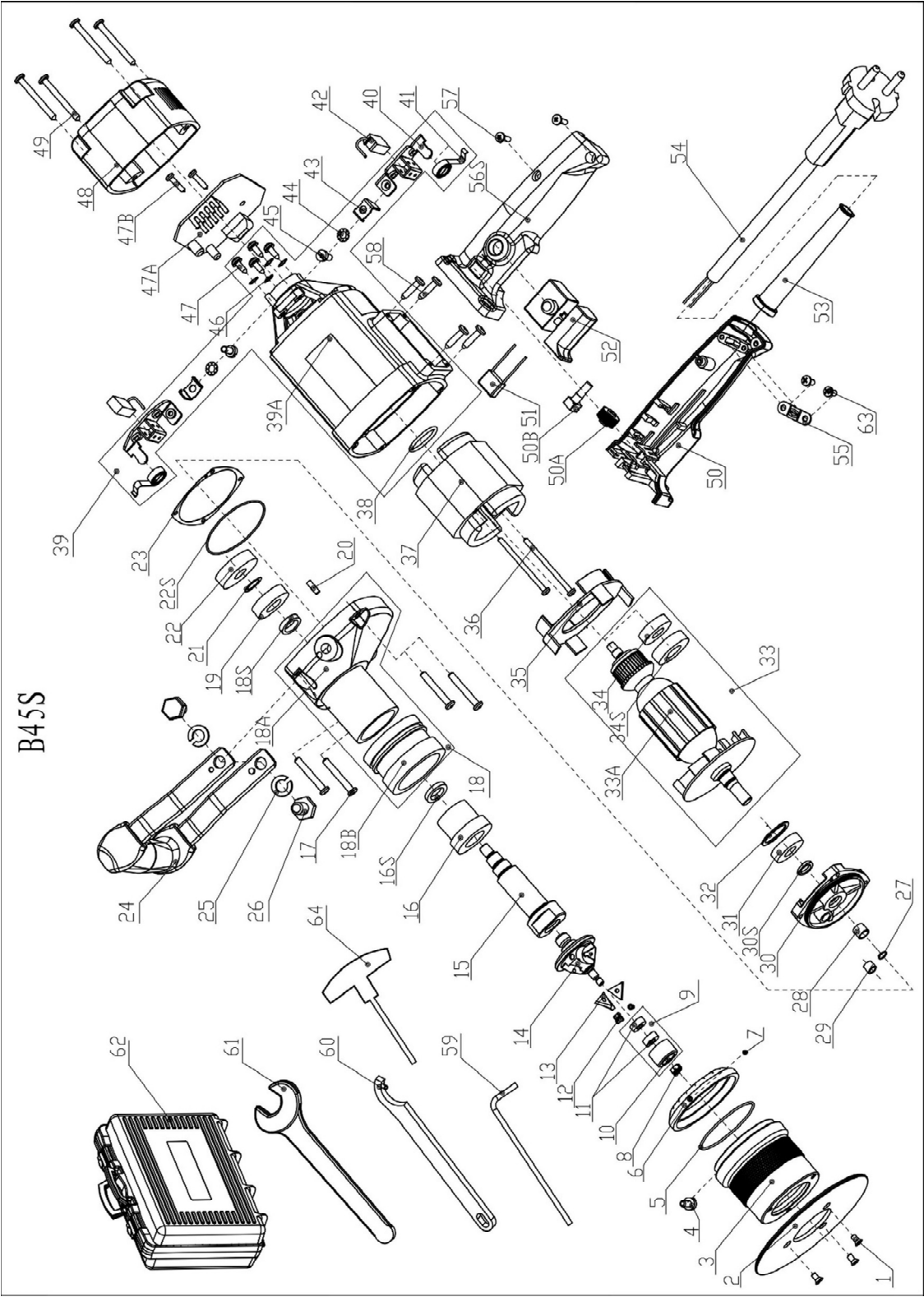
1. Unscrew the 4 screws from the top cover.
2. Take off the top cover.
3. Withdraw the old carbon brushes.
4. Place the new carbon brushes in the destined slots, ensuring they align properly and slide freely.
5. Place back the top cover and screw in all four screws.



**WARNING:** Always replace carbon brushes as a pair. Always use official EUROBOOR carbon brushes which can be ordered from your EUROBOOR reseller.

# 6. Exploded view & spare parts list

## 6.1 Exploded view



## 6.2 Spare parts list

Item	Part number	Part description	Qty
1	B45S.0003	Screw	3
2	B45S.0004	Flat	1
3	B45S.0008	Connection sleeve	1
4	020.0223-1	Screw M5 x 10	1
5	B45S.0006	O-ring	1
6	B45S.0010	Dial plate	1
7	B45S.0136	Set screws	1
8	B45S.0001	Locknut	1
9	B45S.1012	Bush / nut set	1
10	B45S.0002	Guide wheel	1
11	B45S.0126	Iron seal bearing	2
12	B45S.0017	Cutter screw	3
13	B45S.0018	Blade	3
14	B45S.0019	Cutter	1
15	B45S.0014	Output shaft	1
16	B45S.0015	Combined bearing	1
16S	B45S.0013	Wool felt	1
17	B45S.0101	Screw	4
18			
18A	B45S.0206X	Gearbox	1
18B	B45S.0009	Scale set	1
18S	B45S.0011	Skeleton oil seal	1
19	B45S.0196	Sealed bearing	1
20	032.0211	Cylindrical pin	1
21	040.0190	Gear washer	1
22	B45S.0186	Gear	1
22S	050.0071	O ring	1
23	050.0125	Gasket	1
24	B45S.0315X	Handle	1
25	B45S.0106C	Spring washer	2
26	B45S.0106A	Screw	2
27	020.0114	Shaft ring	1
28	B45S.0020	Rotor seal	1
29	040.0161	Needle bearing	1

<b>Item</b>	<b>Part number</b>	<b>Part description</b>	<b>Qty</b>
30	B45S.0236X	Gear box cover	1
30S	050.0064	Skeleton oil seal	1
31	050.0070	Non-contact bearings	1
32	032.0166	Hole ring	1
33	B45S.0033	Armature set	1
33A	B45S.0032	Rotor	1
34	032.0126	Bearing	1
35	050.0261	Dust cover	1
36	0024	Screw	2
37	B45S.0151	Stator	1
38	050.0181A	O ring	1
39	050.1009CK	Housing assembly	1
39A	050.0142	Housing	1
40	050.0371C	Carbon brush	2
41	050.0371D	Carbon brush spring	2
42	055.1015	Brush	2
43	050.0371B	Connecting piece	2
44	040.0286F	Flower gasket	2
45	050.0119A	Screw	2
46	020.0182B	Flat cushion	4
47	050.0119B	Screw	6
47A	050T.0333-1	Speed control board	1
47B	050T.0116	Screw	2
48	050.0111	Top cover	1
49	050.0106	Screw	4
50	B45S.0027	Lower lid	1
50A	B45S.0035	wheel	1
50B	130.0025	Potentiometer	1
51	020.0257S	Capacitor assembly	1
52	B45S.0023	Switch	1
53	B45S.0024	Sheath	1
54	B45S.0037	Main cable	1
55	B45S.0026	Press plate	1
56S	B45S.0021	Upper lid of the handle	1
57	032.0116	Screw	2
58	B45S.0012	Screw	4



<b>Item</b>	<b>Part number</b>	<b>Part description</b>	<b>Qty</b>
59	B45S.0030	Wrench T10	1
60	B45S.0029	Cutter wrench 34/36	1
61	B45S.0028	Single open-end wrench 22	1
62	B45S.0106X	PP box	1
63	055.0022A	Screw	2
64	B45S.0039	T-wrench	1
	IMB.US4	Allen key 4.0 mm	
	B45S.1011	Milling head 45°	1
	B45S.1011A	Milling head 30°	1
	B45S.1011B	Milling head R2.5	1

## **6.3 Warranty and 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 our website: <https://euroboor.com/support/register/>

### **Service**

To maximise the lifetime of your EUROBOOR bevelling machine always use service and parts from an 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.