

We congratulate you for having chosen this SPARKY product, which is able to meet the different requirements of both the professional and the amateur user. The cordless drill you have just purchased has all the power you need to enable you to carry out all your drilling and screwing tasks.



CAUTION! Before using the machine, carefully read this INSTRUCTION BOOKLET and the SAFETY INSTRUCTIONS that you will find in the box. Keep them in a safe place.

TECHNICAL CHARACTERISTICS	B 10E	B 12E	B 18E	BUR 15E
Motor V	9,6	12	18	14,4
Speed of operation	1	2	2	2
Reverse switch	yes	yes	yes	yes
Torque control (clutch)	6 positions	6 positions	17 positions	24 positions
Electronic speed controller	yes	yes	yes	yes
Chuck stopping device	yes	yes	yes	yes
Stall torque	10 Nm	18 / 7,5	26 / 12	25 / 11
Speed of rotation	0-550 rpm	0-300 / 0-1000	0-370 / 0- 1300	0-300 / 0-1100
Keyless chuck: capacity	10 mm	10	13	10
Percussion	no	no	no	yes
Percussion frequency	- bpm	-	-	0 - 16 000
Drilling capacity				
Wood	25 mm	25	25	25
Steel	10 mm	10	10	10
Brick	10 mm	10	10	10
Weight	1,5 kg	1,7	2,2	2,3
BATTERY (Cadmium-Nickel)				
Voltage	9,6 V	12	18	14,4
Capacity	1,5 A/h	1,5	1,5	1,5
CHARGER				
Input	Voltage/Frequency 230V~/50 Hz	230V~/50 Hz	230V~/50 Hz	230V~/50 Hz
Consumption	15,7 VA	19,6	30,5	23,5
Output	11,2 V ---	14 V ---	21,8 ---	16,8 V ---
.....	1,4 A	1,4	1,4	1,4
Charging time	Hours 1-1,5	1-1,5	1-1,5	1-1,5
Charging indicator	yes	yes	yes	yes
Delivered with:	2 battery packs	2 battery packs	2 battery packs	2 battery packs
.....	1 charger	1 charger	1 charger	1 charger
The level of vibration	0,5 m/s ²	0,5 m/s ²	0,4 m/s ²	11,5 m/s ²
Sound pressure level	71 dB (A)	78 dB (A)	81 dB (A)	92 dB (A)
Sound power level	60 dB (A)	67 dB (A)	70 dB (A)	81 dB (A)

Noise and vibration tests are based on EN 60745.

Wear ear protectors!

ACCESSORIES:

REFERENCE	B 10E	B 12E	B 18E	BUR 15E
Battery	B96	B120	B180	B 144
Charger	TB-1-8	TB-1-10	TB-2-15	TB-1-12
Chuck	5414	5414	5418	5414

KEY:

1. Keyless chuck
2. Torque control ring
3. Torque settings
4. Rotation reversal switch and safety lock
5. Safety switch
6. Battery
7. Speed selector
8. Battery charger
9. Percussion control ring

IMPORTANT:

Please carefully read the safety instructions and the instruction manual before using your drill.

SAFETY:

- Before using the battery charger always ensure that the mains voltage and frequency are the same as those indicated on the battery charger.
- Keep this tool out of the reach of children.
- For all other safety instructions, please refer to the safety instruction part.

IMPORTANT INFORMATION:

General information concerning the use of rechargeable batteries and the battery charger:

- The batteries are not fully charged when purchased and must therefore be charged before the machine is used for the first time.
- The batteries only achieve maximum efficiency after having been through several charging/discharging cycles.
- The batteries and the charger are matched. Never charge the batteries with a different charger; never use the charger to charge other batteries or other electrical appliances.
- The life of the batteries will be extended by a maximum if they are recharged at a temperature of +10° C and +40° C.
- The batteries must never be allowed to become completely flat.
- If the drill is not used for a certain amount of time, the batteries must be recharged from time to time (every 2 to 3 months approximately).
- When the drill is used intensively, the batteries may heat up. Allow them to cool at ambient temperature for ten minutes or so before recharging.
- If the time of operation after recharging becomes shorter, this means that the batteries require replacing.
- If the batteries leak, they must be replaced. In the event that the chemical products from the batteries come into contact with the skin or the eyes, rinse profusely with clean water and consult a doctor.



Worn batteries must not be burnt (risk of explosion) nor thrown in a dustbin containing normal household waste.

They must be returned to the shop from which you bought the machine, which will take the necessary steps to recycle them.

CHARGING THE BATTERIES:

- Connect the battery charger to the mains after first checking that the mains voltage corresponds to that which is indicated on the charger.
- Insert the battery into the corresponding opening in the charger. It can only be inserted in one direction.
- The red LED will be lit during rapid charging and be extinguished once charging is completed and the green LED will light when the charger automatically switches to "top-up" charge mode.
- It is normal for the battery to heat during charging.
- Depending on the type of charger and the level of charge in the battery, charging will take approximately 60 minutes.
- Once charging is completed, disconnect the battery from the charger and carefully insert it into the handle of the drill. The batteries may heat in the event of intensive use, in which case they should be allowed to cool (to ambient temperature) before recharging them.
- If the temperature of the rechargeable batteries exceeds 50° C, the battery charger will set itself to safety mode and will not be able to recharge the batteries until they have cooled sufficiently.
- The batteries must not be exposed to temperatures below 0° C.

USE:

- Insert the battery (6) in the handle of the drill (only one possible position), then push home until both catches are heard to click, indicating that the battery is locked in place.

KEYLESS CHUCK:

This drill is equipped with a high quality keyless chuck, which allows you to quickly and easily secure and release screwdriver or drill bits without the need for a key.

- Open the chuck by turning ring A in an anticlockwise direction while holding ring B with the other hand.
- Insert the end of the selected screwdriver or drill bit as far as it will go into the chuck and secure it in place by turning ring A in a clockwise direction until it is securely tightened.
- To remove the bit, perform the same operations in reverse order.

SWITCHING ON/OFF:

The motor of the drill is operated by pressing the trigger (5).

Push button (4) allows you to change the direction of rotation of the chuck and block the trigger in the stop position:

- pushed to the right = drilling and screwing
- pushed to the left = unscrewing
- in the centre = safety lock

ELECTRONIC SPEED CONTROLLER:

The electronic speed control device allows the speed of the tool to be adapted to suit the needs of the job: drilling without the need for a pilot hole, and more accurate, flowing screwdriver action. The trigger (5) acts like an accelerator: the harder it is pushed the faster the drill will rotate.

It is possible that the electronics may produce a whistling noise, this is normal and does not mean that the tool is faulty.

SCREWDRIVER TORQUE ADJUSTMENT:

- The torque control system allows you to accurately set the force of rotation according to the material into which you are screwing and the size of the screw and thus to avoid damaging the material or the screws.
- The torque is adjusted by means of ring (2).
- The triangular mark opposite position 1 indicates the lowest torque value. The higher this number, the higher the available torque.
- The ideal setting of ring (2) for highly repetitive screwing operations is determined by trial and error.
- For all drilling operations, the triangular mark on ring (2) must be placed opposite the "drill" symbol on the body of the machine. In this position, the torque control system is deactivated.

CAUTION! Avoid stalling the drill as this may damage the internal components of the machine.

- In order to avoid damaging cross-head screws or the screwdriver bits, select the correct shaped bit to suit the type of screw head.
- For slotted head screws, use the screwdriver bit of the correct width to suit the slot.

CHUCK STOPPING DEVICE:

The chuck is fitted with an electronic device that allows the chuck to be stopped immediately. The device comes into operation the moment trigger (5) is released.

This system allows great accuracy to be achieved over the final turns of the screw.

MECHANICAL SPEED SELECTION (B 12E, B 18E, BUR 15E ONLY):

- Your screwdriver is equipped with a 2-speed mechanical gearbox that allows you to select the speed of rotation and the ideal torque with great accuracy.

- The speed selector situated on the top of the machine (7) must only be operated when the motor is at a complete standstill.

Position 1 gives maximum torque at low speed.

Position 2 gives maximum speed with a reduced torque.

- Recommendations for drilling:

- Only use well sharpened drill bits that are in good condition.

- The quality of drilling depends on:

- the material being drilled
- the drill bit used
- the speed of rotation of the tool

- **For drilling plastics:**

- high speed of rotation
- drill bit with an angle of opening of 30° to 50°

non ferrous metals:

- high speed of rotation
- drill bit with an angle of opening of 30° to 50°

steel:

- low speed of rotation
- drill bit with an angle of opening of 116° to 140°

PERCUSSION DRILLING (BUR 15E ONLY):

This machine is equipped with a percussion drilling system that allows the drilling of lightweight materials such as bricks, breeze blocks and cement. In order to activate the percussion system, turn ring (9) until the triangular mark is situated opposite the "hammer" symbol.

To return to normal drilling operation, turn the ring back until the mark is opposite the "drill" symbol.

MAINTENANCE:

This machine does not require special maintenance.

Simply clean the ventilation slots from time to time. In case of problems, or for any other operation, whether or not under guarantee, as well as for obtaining replacement parts, please contact one of the approved Customer Service Centres in your region.