

# Original operating instructions

Cordless drill driver : 565390.0100

# FUTURO

performance and perfection



*This manual only applies to the cordless drill driver (565390.0100). Please read carefully before use. This manual constitutes part of the product. It contains important instructions for the commissioning and operation of the product. Please observe these instructions, even when passing on the product to third parties.*

*Therefore, keep these operating instructions in a safe place.*



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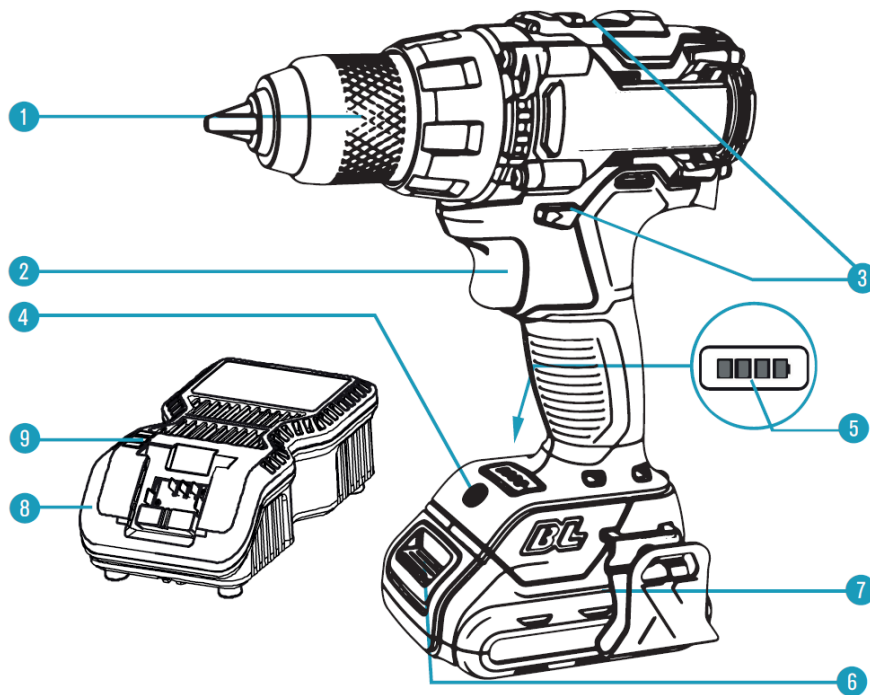
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# 1. Structure and function







Pos.	Description	Pos.	Description
1	Drill chuck 1–13 mm	6	Battery safety lock
2	Control button	7	Battery
3	Left-/right-rotation switch button/gear selector	8	Charger
4	LED work light	9	Charge status indicator
5	Battery capacity indicator		

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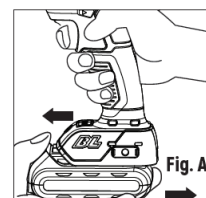
### Inserting the battery

- Insert the battery until it clicks into place (Fig. A).
- If not clicked in, the battery may fall out of the tool, become damaged and/or injure you or others in the vicinity.
- The battery has a charge status indicator. The four-stage LEDs (green) are used to indicate the remaining capacity.
- If the control button is pressed, the battery charge status appears for five seconds and can be read.
- The battery has thermal protection, which prevents the FUTURO cordless drill driver and the battery from overheating. If the maximum temperature of 70°C is reached, the battery automatically switches off and the machine can no longer be operated.

Charge capacity display			Status:
1	LED 1		0–25%
2	LED 1, 2		26–50%
3	LED 1, 2, 3		51–75%
4	LED 1, 2, 3, 4		76–100%

### Releasing the battery:

- Press the safety lock and remove the battery from the tool handle (Fig. A).



### Before use:

- Make sure that the battery is properly inserted and has clicked into place.
- The rotation direction is set by the switch button.
- Right and left rotations are indicated by arrows, which are engraved on the casing.
- With the right rotation, the drill chuck rotates clockwise, and, with the left rotation, anti-clockwise.

Caution: The rotation direction cannot be changed when the machine is running!

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### Right/left rotation:

The rotation direction is reversible and is changed with a switch button above the control button. The right rotation is used for drilling. The left rotation is used to remove screws or help remove stuck drill bits.

- If the left-/right-rotation switch button on the tool is moved forwards in the direction of the drill chuck, the right rotation is activated. If the switch button is moved backwards, the left rotation is activated.
- Setting the switch button to the middle position blocks the control button.

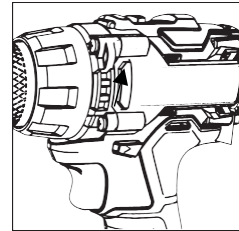


Fig.

### Gear selector for two speeds:

The high-/low-speed gear selector lets you select the perfect speed and torque for each application. To select the low speed with high torque, switch off the drilling machine and wait until the drill chuck stops. Push the gear selector forwards (towards the drill chuck). The number "1" is displayed. To select the high speed with low torque, switch off the drilling machine and wait until the drill chuck stops. Push the gear selector backwards (away from the drill chuck). The number "2" is displayed.

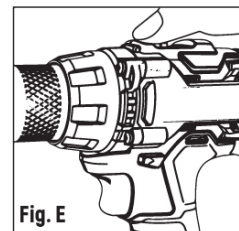


Fig. E

### Selecting the torque:

This cordless drill driver has 14 torque coupling positions and one drilling position. The respective torque levels are clearly marked on the adjustment ring; the larger the number, the higher the torque setting. By controlling the torque, over-tightening the screw can be avoided during screw mounting. The correct value setting depends on the type of material used and the size of the screw. Always use the drilling position for drilling operations or for other applications where high performance is required, especially for metal or hardwood.

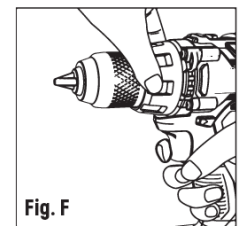


Fig. F

### Quick-action drill chuck:

The cordless drill driver is equipped with a high-quality quick-action drill chuck. The arrows on the drill chuck show the rotation direction of the drill chuck body for clamping or releasing the tool.

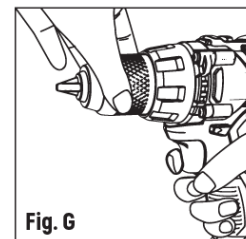


Fig. G

### Operation:

If you press and hold the control button, the drill chuck turns in the selected direction; the work light switches on automatically and ensures optimum lighting of the working area. If you let go of the control button, the machine stops.

### Charging:

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- Compare the voltage of the power source with the approved voltage on the charger's label.
- Charging at voltages higher than those permitted may result in a fire hazard for the charger.
- Check the cable for damage. Damaged cables must be replaced before use.
- Connect the charger to the power source. All three charging LEDs light up for 1–2 seconds
- Insert the battery upside down with the connection side into the charger. Ensure that the battery is in contact with the path of the charger and that the contacts engage.
- If the charger detects that the battery is overheating, all three charging LEDs will flash at the same time. Remove the battery and let the charger cool down for about 40 minutes before continuing the charging process.
- During charging, the charge status is displayed:
  - Less than 30% charged: All three charging LEDs flash
  - Less than 60% charged: One charging LED is on and the remaining two flash
  - Over 60% charged: 2 LEDs are on and one flashes
  - 100% charged: All three LEDs are on
- Charging may take approximately 65 minutes.

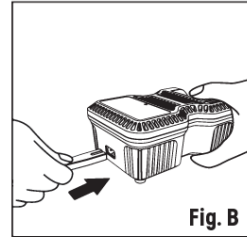


Fig. B

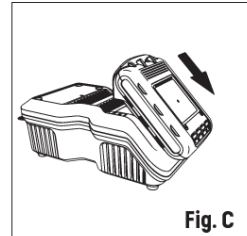


Fig. C

**Caution:** If the battery is inserted incorrectly into the charger, the connections of the charger may become bent or damaged. In the event of malfunctions, disconnect the charger from the power source immediately!

## 2. Maintenance and service

Before carrying out any service or repair work, disconnect the battery from the machine. The motor does not require servicing; make sure that it does not become wet from liquids such as water or oil. Clean the machine with a dry or slightly damp cloth without any additives. Use of unapproved replacement parts will void all warranty, service, indemnity and liability claims asserted against the manufacturer or its authorised dealers and agents.

**Important information: Do not wash the machine casing or use abrasive objects to avoid damaging the surface of the machine.**

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### 3. Safety information

- Please read this manual carefully before using the product and store it in a safe place. You must read these instructions carefully and follow the suggestions below:
  - The product complies with the applicable standards and regulations.
  - This product is not suitable for persons with physical, sensory or mental disabilities (including children) or persons without sufficient experience or relevant knowledge, unless they are supervised by a person responsible for their safety or have been instructed in using the device beforehand.
  - Children should be supervised to make sure that they do not play with the product.
  - This product is not intended for use by children, persons without relevant experience and knowledge, or persons with physical, sensory or mental disabilities, unless they are trained or instructed in the safe use of this product and are aware of the hazards entailed.
  - Always make sure that the power plug and power cord are not damaged before using the charger.
  - Do not use the charger if the power cord is damaged. Have it replaced by an authorised professional.
  - Do not insert foreign objects (such as needles) into the device.
  - If the device is damaged due to improper operation, the warranty claims are void.

### 4. Important information

- At the time of its development and manufacture, the device was built in accordance with the applicable, recognised rules of technology and is considered safe to operate.
- Changes of any kind as well as attachments or modifications to the device are prohibited.
- Do not touch the appliance with wet hands.
- Do not allow liquids to get into the device.
- Do not use the device in places with high humidity.
- Only use the device if it is in perfect working order.
- Never pull the plug out of the socket by its cable.
- Always pull out by the plug to avoid damaging the cable.
- Hold the charger with your hand and remove the battery from the charger.

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- The battery and charger heat up slightly during charging. This does not mean that the function is impaired. Appropriate caution is required during handling.
- After you have finished charging, please wait 15 minutes before charging again.

## 5. Storage and preservation

If you are not using the cordless drill driver for a longer period of time, store it in a dry, dust-free and cool place (-10°C to +40°C). The device should be kept out of reach of children.

## 6. Troubleshooting

- If the charger detects that the battery is overheating, all three charging LEDs will flash at the same time. Remove the battery and let the charger cool down for about 40 minutes before continuing the charging process.
- If the charger detects a battery fault, two charging LEDs will flash at the same time. Please remove the battery and let it cool down for 15–30 minutes.
- If both charging LEDs continue to flash after this, there may be a battery defect.
- Please return the battery immediately for analysis.
- If the charger has a defect, all three charging LEDs will flash at the same time. Please remove the battery and disconnect the charger from the power supply. After two minutes, put the plug back into the wall socket and insert the battery. If all three charging LEDs are still flashing, send the battery immediately for analysis.

## 7. Technical data

Cordless drill driver:	Product no.: 565390.0100
Drill chucks	1–13 mm
Battery power	18 V–4.0 Ah
Idle speed	0–560/0–1900 U/min.
Weight	1.27 kg
Dimensions	192.7 x 67 x 237.1 mm
Torque	Max. 60 Nm
Steps	15 + 1
Sound pressure level LpA	68 dB(A)
Sound power level	79 dB(A)
Vibration acceleration screwing	0.8 m/s <sup>2</sup>

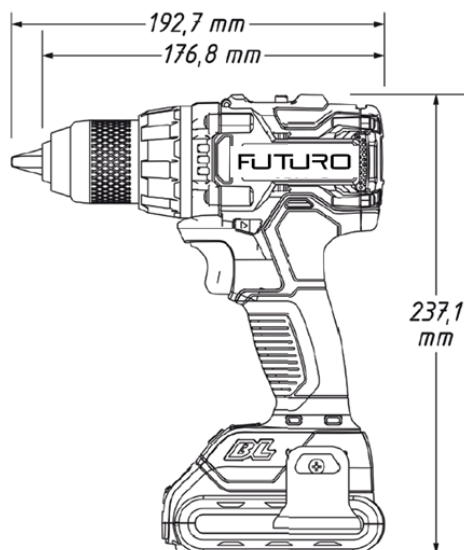
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Vibration acceleration drilling	2.3 m/s <sup>2</sup>
Right/left rotation	yes

Charger	Product no.: 565485.0100
Input voltage	100–240 V~ 50/60 Hz 110 W
Output voltage	12–18 V–4.0 A
Battery type	Lithium-ion
Charging time	40 min



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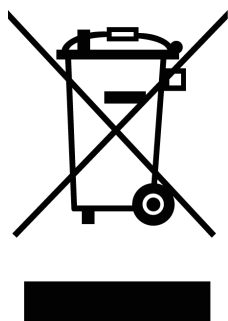
## 8. Intended use

This cordless drill driver is designed to be a robust, compact and easy-to-use device. Using the device for purposes other than those specified is not permitted! Modifications may cause damage to this product; this also entails hazards such as short-circuiting, fire, electric shock, etc. The manufacturer/distributor is not liable for personal injury or property damage resulting from improper use; the responsibility lies with the operator. The applicable accident prevention regulations and general safety regulations must be observed when using the tool.

Please note that operating and/or connection errors are outside our responsibility. Understandably, we cannot accept any liability for any resulting damage.

## 9. Disposal

Please dispose of old devices at appropriate collection points. Do not dispose of this product with household waste. Old batteries and electrical devices must be disposed of at suitable collection points.



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