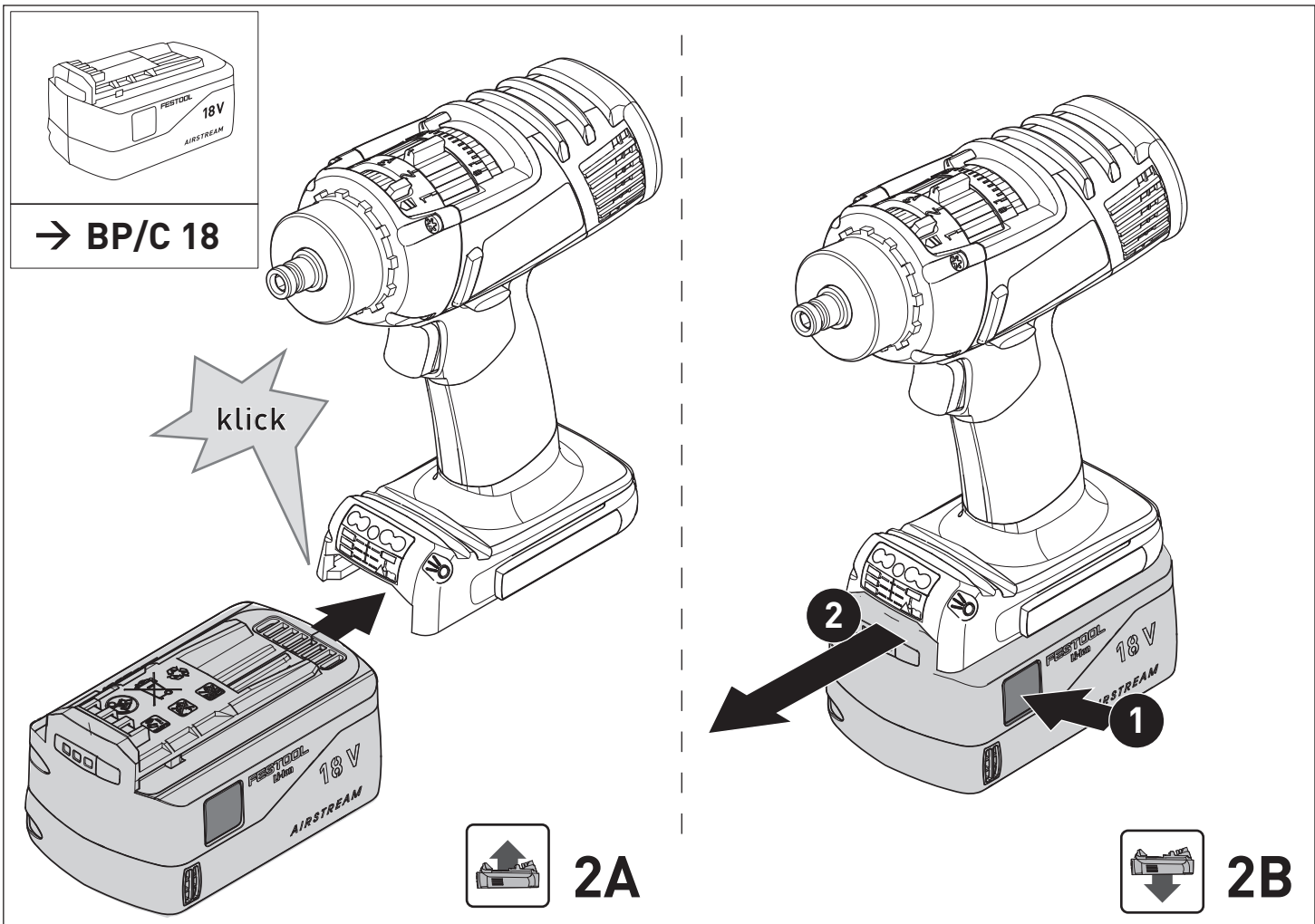
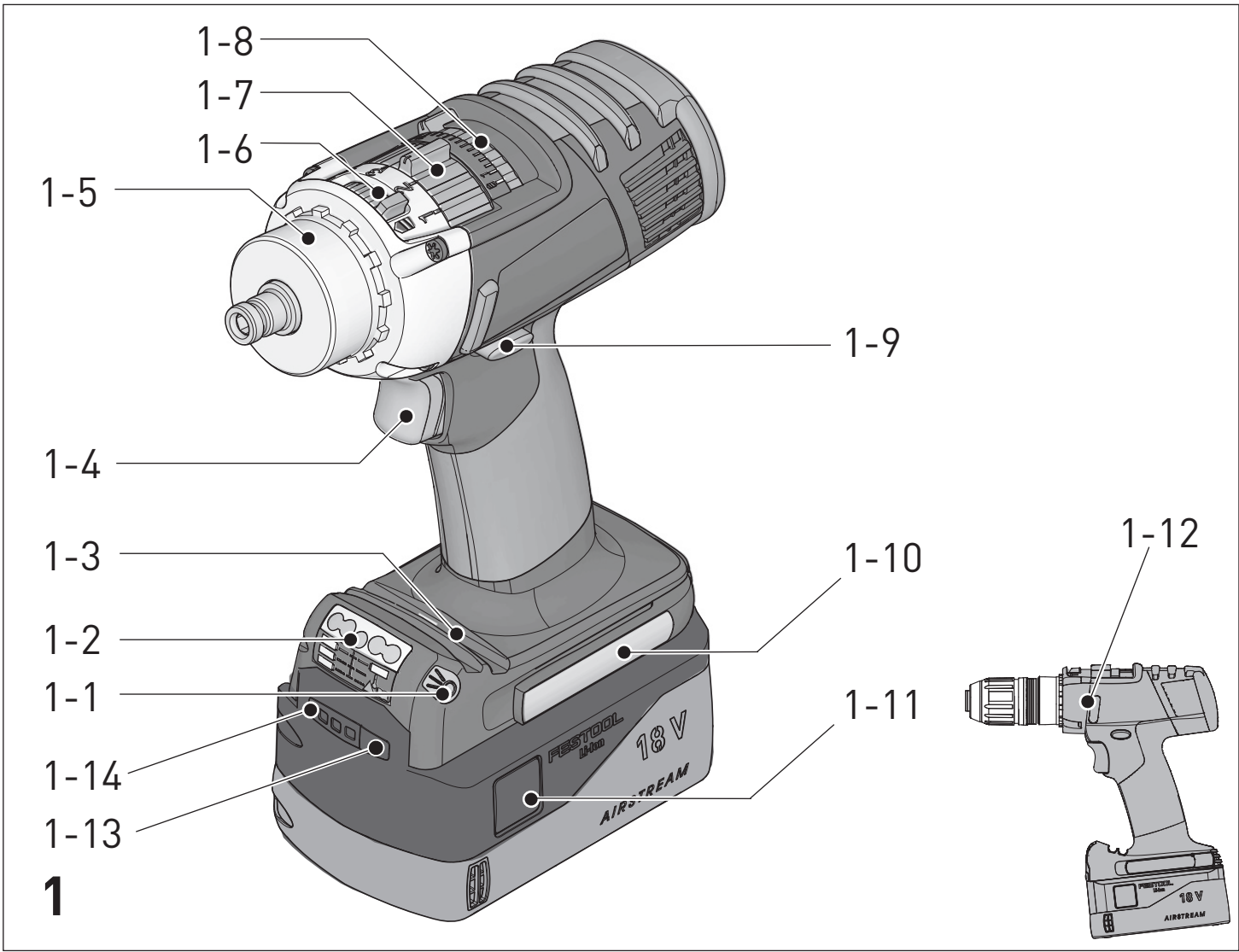


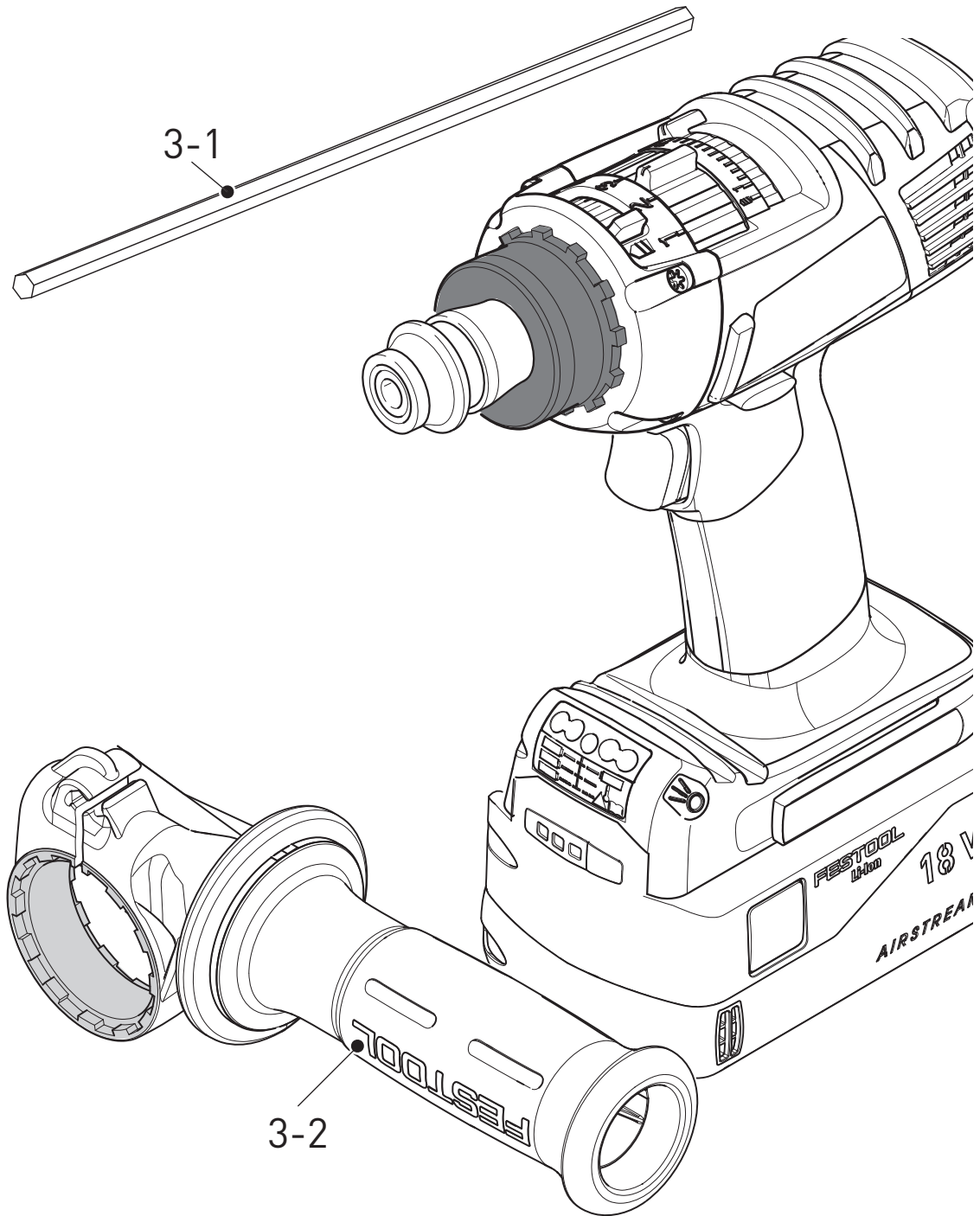
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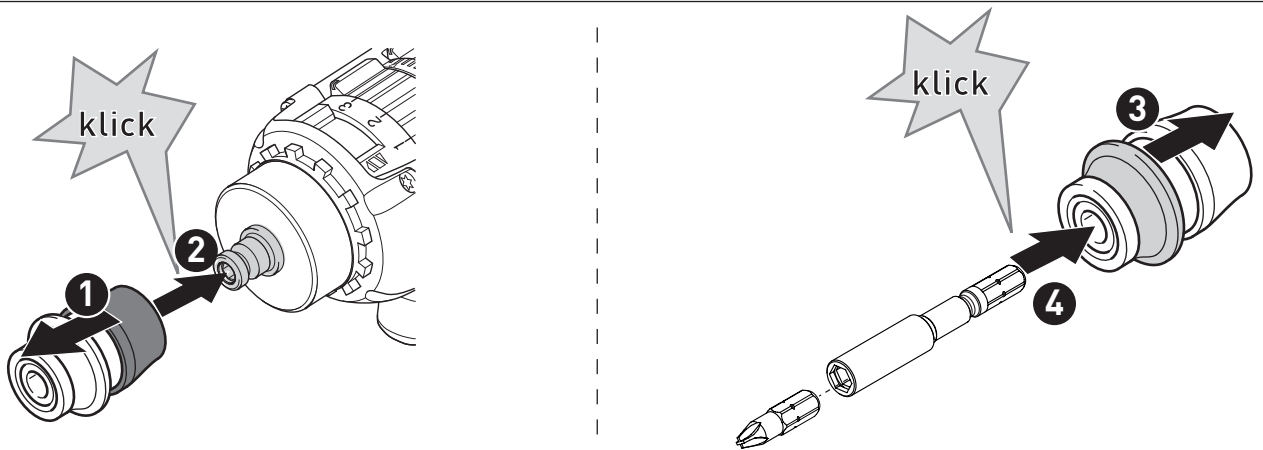




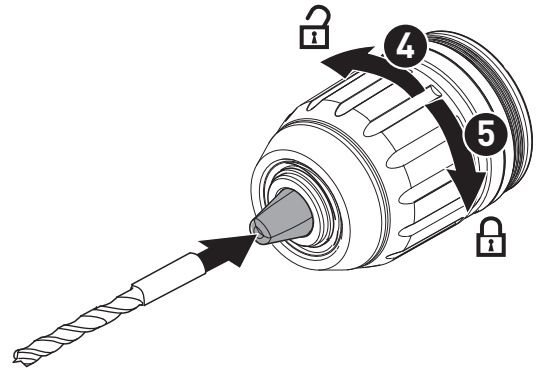
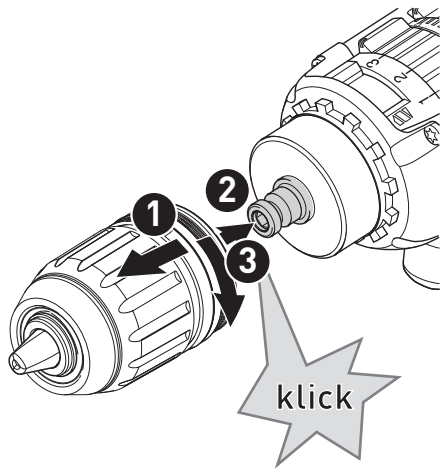
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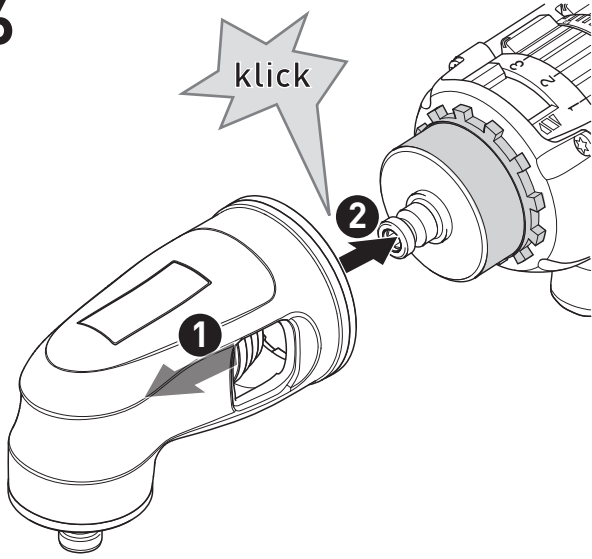
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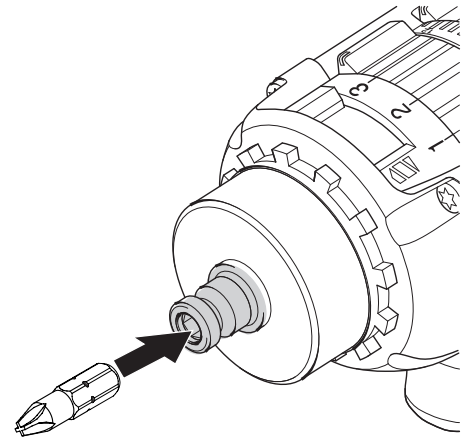
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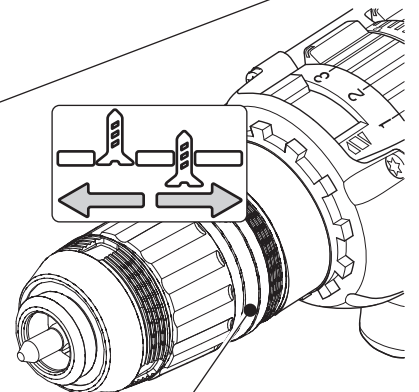
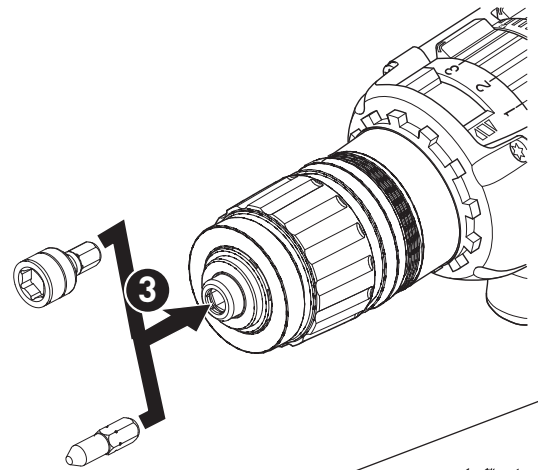
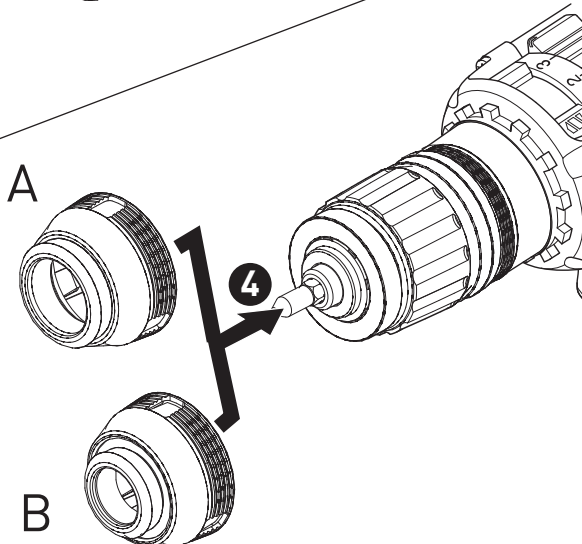
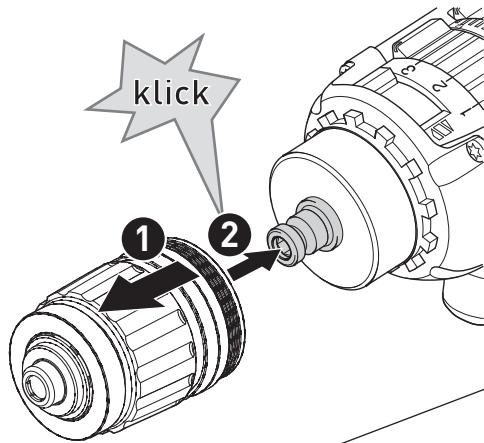
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7



8



8-1

Akku-Bohrschrauber	Seriennummer ¹⁾
Cordless drill/ screwdriver	Serial number ¹⁾
Perceuses-visseuses sans fil	N° de série ¹⁾ (T-Nr.)
PDC 18/4	205061

de EG-Konformitätserklärung. Wir erklären in alleiniger Verantwortung, dass dieses Produkt allen einschlägigen Bestimmungen der folgenden Richtlinien einschließlich ihrer Änderungen entspricht und mit den folgenden Normen übereinstimmt:

en EC-Declaration of Conformity. We declare under our sole responsibility that this product is in conformity with all relevant provisions of the following directives including their amendments and complies with the following standards:

fr CE-Déclaration de conformité communautaire. Nous déclarons sous notre propre responsabilité que ce produit est conforme aux normes ou documents de normalisation suivants:

es CE-Declaración de conformidad. Declaramos bajo nuestra exclusiva responsabilidad que este producto corresponde a las siguientes normas o documentos normalizados:

it CE-Dichiarazione di conformità. Dichiariamo sotto la nostra esclusiva responsabilità che il presente prodotto è conforme alle norme e ai documenti normativi seguenti:

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sv EG-konformitetsförklaring. Vi förklarar i eget ansvar, att denna produkt stämmer överens med följande normer och normativa dokument:

fi EY-standardinmukaisuusvakuutus. Vakuutamme yksinvastuullisina, etta tuote on seuraavien standardien ja normatiivisten ohjeiden mukainen:

da EF-konformitetserklæring. Vi erklærer at have alene ansvaret for, at dette produkt er i overensstemmelse med de følgende normer eller normative dokumenter:

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pt CE-Declaração de conformidade. Declaramos, sob a nossa exclusiva responsabilidade, que este produto corresponde às normas ou aos documentos normativos citados a seguir:

ru Декларация соответствия ЕС. Мы заявляем с исключительной ответственностью, что данный продукт соответствует следующим нормам или нормативным документам:

cs ES prohlášení o shodě. Prohlašujeme s veškerou odpovědností, že tento výrobek je ve shodě s následujícími normami nebo normativními dokumenty:

pl Deklaracja o zgodności z normami UE. Niniejszym oświadczamy na własną odpowiedzialność, że produkt ten spełnia następujące normy lub dokumenty normatywne:

2006/42/EG, 2014/30/EU²⁾, 2014/53/EU³⁾, 2011/65/EU

EN 62841-1: 2015 + AC:2015, EN 62841-2-1:2018
EN 62841-2-2:2014 + AC:2015,
EN 55014-1: 2017²⁾, EN 55014-2: 2015²⁾,
EN 300 328:2016 V2.1.1³⁾,
EN 301 489-1:2017 V2.1.1³⁾,
EN 301 489-17:2017 V3.1.1³⁾,
EN 50581: 2012

CE Festool GmbH
Wertstr. 20, D-73240 Wendlingen
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Wendlingen, 2019-06-25

ppa. [Signature]

Markus Stark
Head of Product Development

i. A. Q. [Signature]

Ralf Brandt
Head of Product Conformity

¹⁾ im definierten Seriennummer-Bereich (S-Nr.) von 40000000 - 49999999/
in the specified serial number range (S-Nr.) from 40000000 - 49999999/
dans la plage de numéro de série (S-Nr.) de 40000000 - 49999999

²⁾ gilt in Kombination mit Akku/
valid in combination with battery pack/
valable en combinaison avec batterie
BP 18 Li 5,2 AS, BP 18 Li 6,2 AS, BP 18 Li 3,1 C

³⁾ gilt in Kombination mit Bluetooth® Akku/
valid in combination with Bluetooth® battery pack/
valable en combinaison avec Bluetooth® batterie
BP 18 Li 5,2 ASI, BP 18 Li 6,2 ASI, BP 18 Li 3,1 CI

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1 Symbols



Warning of general danger



Warning of electric shock



Read the operating manual and safety instructions.



Wear ear protection.



Wear a dust mask.



Wear protective goggles.



Inserting the battery pack



Removing the battery pack



Do not dispose of it with domestic waste.



CE marking: Confirms the conformity of the power tool with the European Community directives.



Tip or advice



Handling instruction

2 Safety warnings

2.1 General power tool safety warnings



WARNING! Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below 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 or battery-operated (cordless) power tool.

Follow the operating manual for the charger and the battery pack.

2.2 Machine-specific safety notices

- **Wear ear protectors when impact drilling.** Exposure to noise can cause hearing loss.
- **Use the auxiliary handle(s).** Loss of control can cause personal injury.
- **Hold the power tool by insulated gripping surfaces, when performing an operation where the cutting accessory or fasteners may contact hidden wiring.** Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- **Use appropriate detection devices to look for any hidden supply lines or consult your local utility company.** If the insertion tool makes contact with live cables, it can result in fire and electric shock. Damage to a gas pipe can lead to an explosion. Penetration of a water pipe can result in damage to property.



- **Wear suitable personal protective equipment:** Ear protection, safety goggles, a dust mask for work that generates dust.



CAUTION! Power tool can jam and cause sudden kickback! Switch off immediately!

- **Hold the power tool firmly in your hand. Make sure the speed is adjusted correctly when screwdriving. Be prepared for a high reaction torque,** which may cause the power tool to turn and possibly lead to injury.
- **Do not use the power tool in the rain or in damp surroundings.** Moisture in the power tool may cause a short circuit and fire.
- Do not lock the on/off switch in place permanently.

- **Do not use power supply units or third-party battery packs to operate cordless power tools. Do not use third-party chargers to charge the battery packs.** The use of accessories not expressly authorised by the manufacturer can result in electric shocks and/or serious accidents.
- **Only for AS/NZS:** The tool shall always be supplied via residual current device with a rated residual current of 30 mA or less.
- Use a dust extractor when working with dust.

2.3 Safety instructions when using long drill bits

- **a) Never operate at higher speed than the maximum speed rating of the drill bit.** At higher speeds, the bit is likely to bend if allowed to rotate freely without contacting the workpiece, resulting in personal injury.
- **b) Always start drilling at low speed and with the bit tip in contact with the workpiece.** At higher speeds, the bit is likely to bend if allowed to rotate freely without contacting the workpiece, resulting in personal injury.
- **c) Apply pressure only in direct line with the bit and do not apply excessive pressure.** Bits can bend causing breakage or loss of control, resulting in personal injury.

2.4 Emission levels

The levels determined in accordance with EN 62841 are typically:

Drilling

Sound pressure level	$L_{PA} = 63 \text{ dB(A)}$
Sound power level	$L_{WA} = 74 \text{ dB(A)}$
Uncertainty	$K = 5 \text{ dB}$

Impact drilling

Sound pressure level	$L_{PA} = 95 \text{ dB(A)}$
Sound power level	$L_{WA} = 106 \text{ dB(A)}$
Uncertainty	$K = 3 \text{ dB}$

Fastening

Sound pressure level	$L_{PA} = 60 \text{ dB(A)}$
Sound power level	$L_{WA} = 71 \text{ dB(A)}$
Uncertainty	$K = 3 \text{ dB}$



CAUTION

Noise generated when working

Risk of damage to hearing

- Use ear protection.

Vibration emission level a_h (vector sum for three directions) and uncertainty K measured in accordance with EN 62841:

Drilling in metal	$a_h = 3 \text{ m/s}^2$
	$K = 1.5 \text{ m/s}^2$
Impact drilling into concrete	$a_h = 18 \text{ m/s}^2$
	$K = 1.5 \text{ m/s}^2$
Fastening	$a_h = 3 \text{ m/s}^2$
	$K = 1.5 \text{ m/s}^2$

The specified emission levels (vibration, noise)

- are used to compare machines.
- They are also used for making preliminary estimates regarding vibration and noise load during operation.
- They represent the primary applications of the power tool.



CAUTION

The emission values may deviate from the specified values. This is dependent on how the tool is used and the type of workpiece being machined.

- The actual load during the entire operating cycle must be evaluated.
- Depending on the actual load, suitable protective measures must be defined in order to protect the operator.

3 Intended use

Cordless impact drills are suitable for

- drilling in metal, wood, plastic and similar materials,
- impact drilling into walls, concrete and similar building materials,
- inserting and tightening screws.
- intended for use with BP Festool battery packs of the same voltage class.



The user is liable for damage and accidents caused by improper and non-intended use; this also includes damage and wear caused by continuous industrial operation.

4 Technical data

Cordless percussion drill	PDC 18/4	
Motor voltage	18 V	
No-load speed*	1st gear	0 - 400 rpm
	2nd gear	0 - 850 rpm
	3rd gear	0 - 1850 rpm
	4th gear	0 - 3800 rpm
Max. torque	Soft material (wood)	40 Nm
	Hard material (metal)	60 Nm
Adjustable torque**	1st gear	1.2 - 11.5 Nm
	2nd gear	0.8 - 7.2 Nm
	3rd gear	0.6 - 4.7 Nm
	4th gear	0.6 - 2.6 Nm
Chuck clamping range	1.5 - 13 mm	
Drill diameter max.	Wood	50 mm
	Metal	13 mm
Fastening in pine	max. Ø	10 mm
Tool holder in drill spindle	1/4"	
Weight (incl. additional handle, battery pack BP 18 Li 6,2 AS and chuck) as per EP-TA procedure 01:2014	2.4 kg	
Weight with Centrotec, without additional handle, without battery pack.	1.3 kg	

* Speed specifications with fully charged battery pack.

** The maximum speed is reduced in the lower torque stages (values in clockwise rotation).

5 Functional description

- [1-1]** LED light switch
- [1-2]** LED lamp
- [1-3]** Bit store
- [1-4]** On/Off switch
- [1-5]** Clamping sleeve
- [1-6]** Drilling/impact drilling selector switch
- [1-7]** Gear switch
- [1-8]** Torque thumbwheel
- [1-9]** Right/left switch
- [1-10]** Belt clip
- [1-11]** Button for releasing the battery pack

[1-12] Insulated gripping surfaces (grey shaded area)

[1-13] Capacity display button on battery pack

[1-14] Capacity indicator

Accessories shown or described are not always included in the scope of delivery.

The specified illustrations appear at the beginning of the Operating Instructions.

6 Commissioning

6.1 Changing the battery pack

Inserting the battery pack [2 A]

Removing the battery pack [2 B]

The battery pack is ready to use straight out of the box and can be charged at any time.

6.2 Light and battery capacity indicator

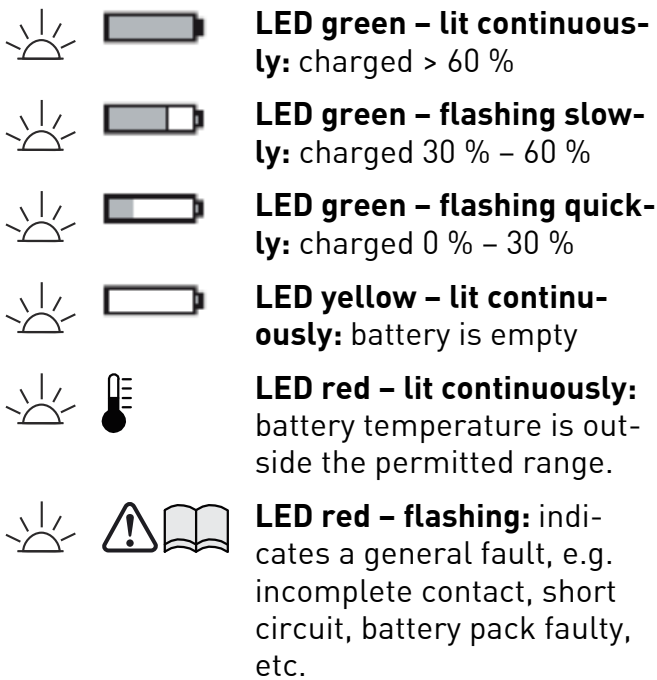


The LED on the lamp **[1-2]** is both a light and a battery capacity indicator .

- ▶ Press the LED light switch **[1-1]**:

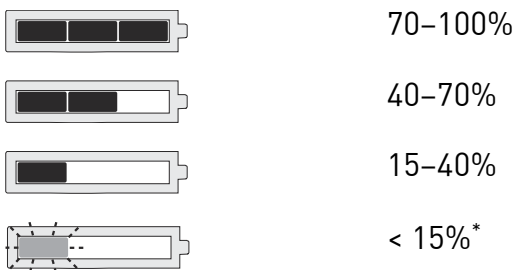
1x ... LED, working area illumination

2x ... capacity indicator, indicates the charging state of the battery pack (not with NiCd and NiMH battery packs)



6.3 Capacity indicator

The capacity display [1-14] indicates the charge of the battery pack for approx. 2 seconds after the button [1-13] is pressed:



* **Recommendation:** Charge the battery pack before any further use.

7 Settings

CAUTION

Risk of injury

- ▶ Only adjust the settings when the power tool is switched off.

7.1 Changing direction of rotation [1-9]

- Switch to the left = clockwise rotation
- Switch to the right = counterclockwise rotation

7.2 Changing gear

You can change gear using the gear switch [1-7].

7.3 Adjusting the torque [1-8]

Fastening


Select the correct torque setting:

Position 1 = low torque


Position 12 = high torque

An **acoustic signal** sounds when the preset torque is reached and the machine then switches off. You must release and press the ON/OFF switch [1-4] again to start the machine.

Drilling

Mark is aligned with drill symbol  = maximum torque.

7.4 Impact drilling

-  The machine was designed for impact drilling into tiles, masonry and stone.

Set the selector switch [1-6] to the hammer symbol. Set the adjusting wheel [1-8] to the drill symbol.

8 Tool holder, attachments



WARNING

Risk of injury


- ▶ Remove the battery pack from the power tool before performing any work on the power tool.



CAUTION

Risk of injury from hot and sharp tool

- ▶ Do not use any blunt or faulty tools.
- ▶ Wear protective gloves.

-  **Prior to initial use:** apply multi-purpose grease to the drill spindle and gearbox neck.

8.1 CENTROTEC tool chuck [4]

Quick change of tools with CENTROTEC shaft



Only clamp CENTROTEC tools in CENTROTEC tool chucks.



Wear gloves when replacing!

8.2 Chuck [5]

For clamping drill bits and bits with max. shaft diameter of 13 mm.



Clamp tool centrally in the chuck.

8.3 Angle attachment [6]

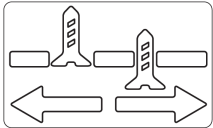
Drilling and screwdriving at right angle to machine (partly as an accessory).

8.4 Tool holder in the drill spindle [7]

Bits can be inserted directly into the hexagon socket holder of the drill spindle.

8.5 Depth stop [8]

The depth stop (partly as an accessory) allows the user to insert screws to a predefined depth. You can set the dimension by which the screw head protrudes above or is recessed below the surface of the workpiece.



Depth setting

Turn the housing [8-1] to set the desired fastening depth. Each detent position changes

the fastening depth by 0.1 mm.

Sleeve A/B must be removed before a screw can be unscrewed.

9 Working with the machine



WARNING

Risk of injury

- ▶ Always secure the workpiece in such a manner that it cannot move while being machined.

9.1 On/Off switch [1-4]

Press = ON, release = OFF

- ⓘ The speed of the machine depends on how far the on/off switch is pressed in.

9.2 Bit depot [1-3]

Magnetic, for storing bits and bit holders.

9.3 Belt clip [1-10]

The belt clip (right/left) allows the tool to be attached to work attire for brief periods.

9.4 Attaching the additional handle [3]



Always use the additional handle.

- ▶ Position the additional handle [3-2] on the extension of the gearbox housing and engage the recesses on the additional handle in the lugs on the housing.
- ▶ Turn the handle until secured in position.

- ⓘ Turn the handle to adjust the position in 30° increments.

- ⓘ The drilling depth can be adjusted using the depth stop [3-1].

9.5 Acoustic warning signals

Acoustic warning signals sound and the machine switches off in the following operating states:



peep — —

- Preset torque reached.
- "Block protect" - starting torque too high.
- Machine overloaded

10 Service and maintenance



WARNING

Risk of injury, electric shock

- ▶ Always remove the battery pack from the power tool before performing any maintenance or service work.
- ▶ All maintenance and repair work which requires the motor housing to be opened should always be carried out by an authorised service workshop.



Customer service and repairs must only be carried out by the manufacturer or service workshops. Find the nearest address at:
www.festool.co.uk/service



Always use original Festool spare parts. Order no. at:
www.festool.com/service

To ensure constant air circulation, always keep the cooling air openings in the motor housing clean and free of blockages.

Keep the contacts on the power tool, charger and battery pack clean.

11 Environment



Do not dispose of the device in the household waste! Recycle devices, accessories and packaging. Observe applicable national regulations.

EU only: In accordance with the European Directive on waste electrical and electronic equipment and implementation in national law, used power tools must be collected separately and handed in for environmentally friendly recycling.

Information on REACH: www.festool.com/reach

12 General information

Imported into the UK by

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Bury St Edmunds
IP30 9XH
Great Britain

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