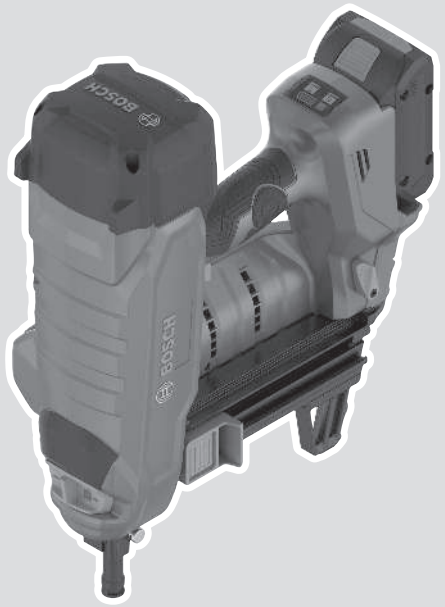
BOSCH

PRO

GNB 18V-38 | GNB 18V-40



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en Original instructions

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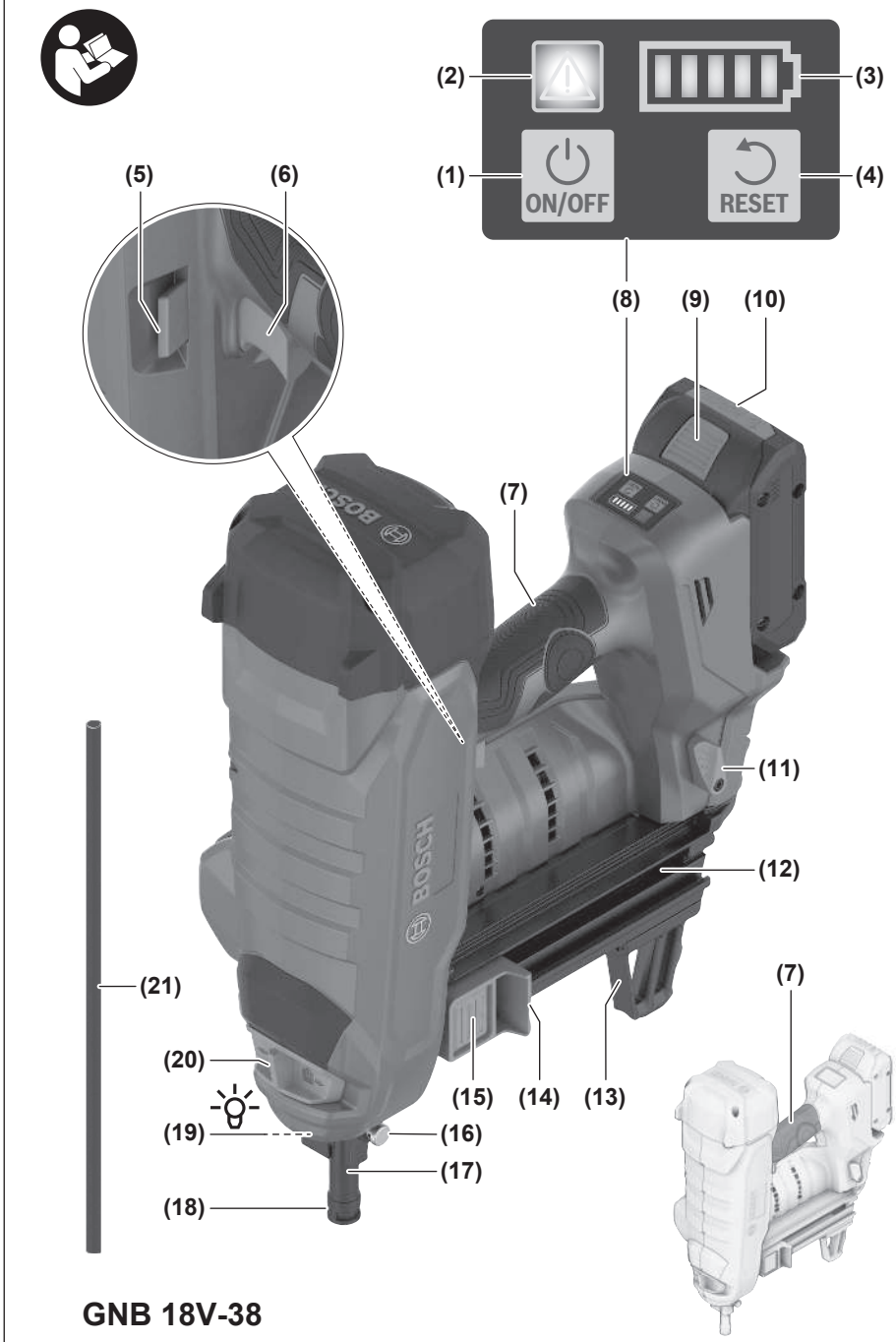

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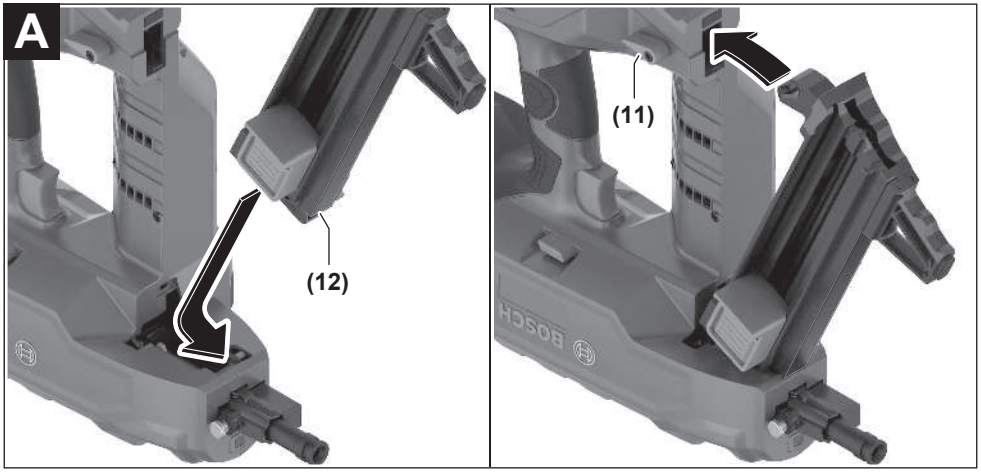
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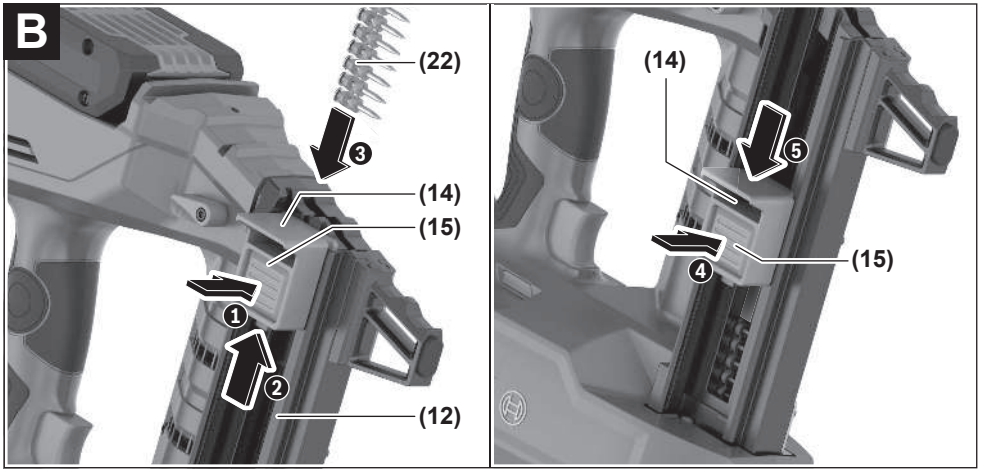
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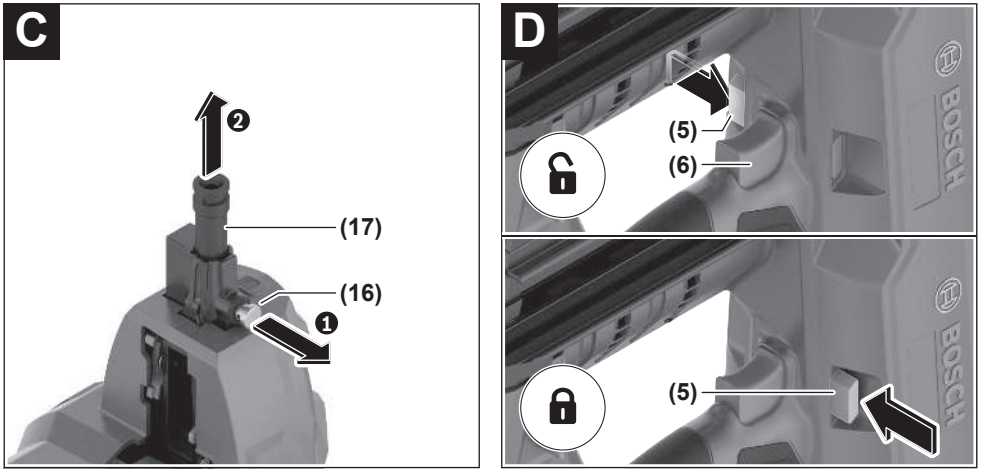
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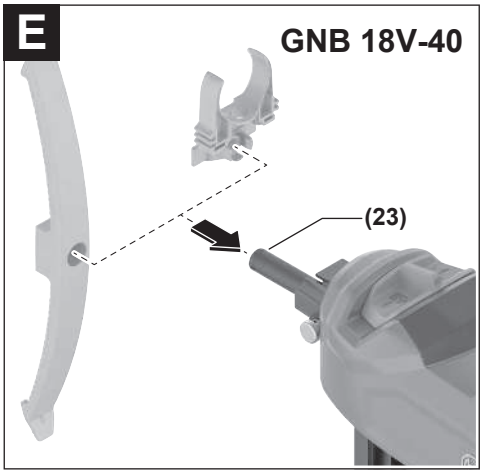
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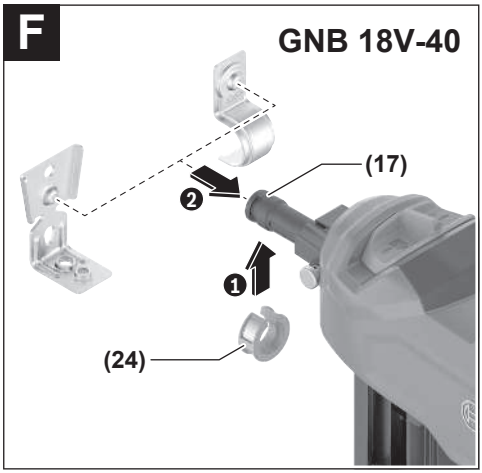
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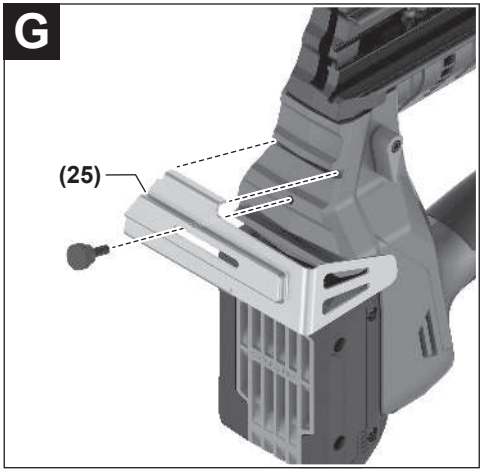
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English

Safety Instructions

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.

Work area safety

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **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.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical safety

- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.

Personal safety

- **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.
- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- **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.
- **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.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- **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.
- **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

Power tool use and care

- **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.
- **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.
- **Disconnect the plug from the power source and/or remove the battery pack, if detachable, 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.
- **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.
- **Maintain power tools and accessories. 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.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **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.
- **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

Battery tool use and care

- **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

- ▶ **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- ▶ **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
- ▶ **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.
- ▶ **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- ▶ **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130°C may cause explosion.
- ▶ **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

Service

- ▶ **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.
- ▶ **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.

Nailer safety warnings

- ▶ **Always assume that the nailer contains fasteners.** Careless handling of the nailer may result in unexpected firing of fasteners and personal injury.
- ▶ **Disconnect the nailer from the power source when loading and unloading fasteners, making adjustments or changing accessories.** The nailer may be accidentally activated if it is connected to the power source, which may result in personal injury.
- ▶ **Be careful when handling fasteners, especially when loading and unloading.** The fasteners have sharp points which may result in personal injury.
- ▶ **Do not point the nailer towards yourself or anyone nearby.** Unexpected triggering will discharge a fastener, which may result in personal injury.
- ▶ **Keep fingers away from trigger when not operating the nailer and when moving from one operating position to another.** Unexpected triggering will discharge a fastener, which may result in personal injury.
- ▶ **Hold the nailer by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring.** A fastener contacting a "live" wire may make exposed metal parts of the nailer "live" and could give the operator an electric shock.
- ▶ **Hold the nailer with a firm grasp during operation.** Uncontrolled recoil of the nailer may result in unintended activation, which may result in personal injury.
- ▶ **Keep all body parts such as hands and legs, etc. away from the firing direction of the nailer.** The fastener may penetrate the workpiece as well as any object behind it, which may result in personal injury.
- ▶ **When using the nailer, keep all body parts such as hands and legs, etc. away from the area where the fastener is driven into the workpiece.** The fastener could deflect and exit the workpiece, which may result in personal injury.
- ▶ **Do not actuate the nailer unless the nailer is placed firmly against the workpiece.** If the nailer is not in contact with the workpiece, the fastener may be deflected away from the workpiece, which may result in personal injury.

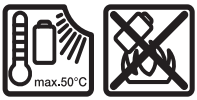
Additional Safety Information for **GNB 18V-40**:

- ▶ **When fastening electrical cables, make sure the cables are not energized. Hold the nailer only by insulated gripping surfaces. Use only fasteners designed for electrical cable installations. Inspect that the fastener has not damaged the insulation of the electrical cables.** A fastener that damages the insulation of electric cables can lead to electric shock and fire hazards.

Additional safety information for **GNB 18V-38**:

- ▶ **Do not use this nailer for fastening electrical cables.** It is not designed for electric cable installation and may damage the insulation of electric cables, thereby causing electric shock or fire hazards.
- ▶ **Disconnect the nailer from the power source if a fastener jams in the nailer.** While removing a jammed fastener, the nailer may be accidentally activated if it is connected to the power source, which may result in personal injury.
- ▶ **Use caution while removing a jammed fastener.** The mechanism may be under compression and the fastener may be forcefully discharged, which may result in personal injury.
- ▶ **Use suitable detectors to determine if there are hidden supply lines or contact the local utility company for assistance.** Contact with electric cables can cause fire and electric shock. Damaging gas lines can lead to explosion. Breaking water pipes causes property damage.
- ▶ **In case of damage and improper use of the battery, vapours may be emitted. The battery can set alight or explode.** Ensure the area is well ventilated and seek medical attention should you experience any adverse effects. The vapours may irritate the respiratory system.
- ▶ **Do not modify or open the battery.** There is a risk of short-circuiting.

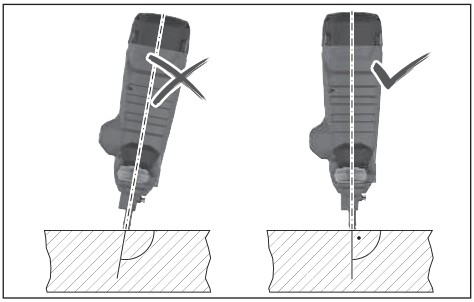
- ▶ **The battery can be damaged by pointed objects such as nails or screwdrivers or by force applied externally.** An internal short circuit may occur, causing the battery to burn, smoke, explode or overheat.
- ▶ **Only use the battery in the manufacturer's products.** This is the only way in which you can protect the battery against dangerous overload.



Protect the rechargeable battery against heat, e.g. including prolonged sun exposure, fire, water, and moisture. There is a risk of explosion and short circuit.

Always wear hearing protection and safety goggles when using the power tool.

- ▶ **Do not use the power tool and the nails on very soft materials (e.g. wood, lightweight construction materials).** The nails may penetrate the substrate and may cause injury.
- ▶ **Do not use the power tool and the nails on very hard materials (e.g. high-strength steel, very hard natural stone) or on types of concrete with high compressive strength or aggregate with high compressive strength.** If the material is too hard, the nail may ricochet, break and escape and may hit you or other persons and may cause injuries.



- ▶ **Never hold the power tool when it is at an acute angle to the substrate.** The power tool must be perpendicular to the substrate. There must be no contamination on the substrate.
- ▶ **Do not deactivate or remove the contact element.** The contact element is a safety mechanism to reduce the risk of unintentional triggering. Deactivating this component may lead to unintentional triggering.
- ▶ **Only use the power tool if the contact element is functioning correctly.** If the contact element is defective, the power tool may trigger unexpectedly.
- ▶ **Always fill the magazine of the power tool with nails first before you insert the battery.** This reduces the risk of accidentally discharging a nail and injuring yourself or other people.
- ▶ **Never discharge nails in the vicinity of flammable materials.** When driving in some nail types, sparks may fly out of the contact element.
- ▶ **Never discharge a nail on top of another nail.** This may lead to the nail being deflected or the power tool reacting unexpectedly.

Product Description and Specifications

Read all the safety and general instructions. Failure to observe the safety and general instructions may result in electric shock, fire and/or serious injury.

Please observe the illustrations at the beginning of this operating manual.

Intended Use

The power tool is designed to put nails into hard materials such as concrete (e.g. poured concrete, grouted joints) and steel (e.g. structural steel, hot-rolled steel).

The power tool must not be used on very soft surfaces (e.g. wood, lightweight construction materials) or very hard surfaces (e.g. high-strength steel). The power tool must also not be used on the following substrates: Natural stone, vertical mortar joints, hollow blocks, bricks, glazed brick, glass, hardened steel, tool steel, spring steel, cast iron, weld seams.

Check the suitability of the substrate before use (see "Checking the Suitability of the Substrate", page 12).

The power tool is intended for hand-held use only.

The power tool is only intended for indoor use.

Product Features

The numbering of the product features refers to the diagram of the power tool on the graphics page.

(1) On/off button (user interface)
(2) Power tool status indicator (user interface)
(3) Battery charge indicator (user interface)
(4) Reset button (user interface)
(5) Unlocking switch for trigger
(6) Trigger
(7) Handle (insulated gripping surface)
(8) User interface
(9) Battery release button[a)]
(10) Rechargeable battery[a)]
(11) Magazine release lever
(12) Magazine
(13) Supporting leg
(14) Magazine slider
(15) Magazine slider button
(16) Contact element release button

(17) Standard contact element
(18) Outlet
(19) Worklight
(20) Depth stop switch
(21) Punch pin
(22) Nail strip[a)]
(23) Narrow contact element (GNB 18V-40)
(24) Magnet ring (GNB 18V-40)
(25) Utility hook

a) **This accessory is not part of the standard scope of delivery.**

Technical Data

Cordless nailer		GNB 18V-38	GNB 18V-40
Article number		**3 601 JL7 000**	**3 601 JL7 001**
Rated voltage	V=	18	18
Actuation mode		Full sequential	Full sequential
Max. insertion frequency (with battery ≥ 4 Ah)	s^{-1}	2	2
Fastener			
– Type		Nail	Nail
– Length	mm	13–38	13–40
– Shank diameter	mm	2.7–3	2.7–3
Standard magazine capacity	Nails	22	22
Dimensions without rechargeable battery (length × width × height)	mm	405 × 138 × 309	405 × 138 × 309
Weight[A)]	kg	4.1	4.1
Recommended ambient temperature during charging	°C	0 … +35	0 … +35
Permitted ambient temperature during operation[B)]	°C	−5 … +50	−5 … +50
Permitted ambient temperature during storage	°C	−20 … +50	−20 … +50
Compatible rechargeable batteries		GBA18V… GBA 18V… ProCORE18V… EXPERT18V… EXBA18V… CORE18V…	GBA18V… GBA 18V… ProCORE18V… EXPERT18V… EXBA18V… CORE18V…
Recommended rechargeable batteries for maximum performance		ProCORE18V… ≥ 4 Ah EXPERT18V…	ProCORE18V… ≥ 4 Ah EXPERT18V…
Recommended chargers		GAL18… GAL 18… GAL 36… GAL12V/18… GAL 12V/18… GAX 18… EXAL18…	GAL18… GAL 18… GAL 36… GAL12V/18… GAL 12V/18… GAX 18… EXAL18…

A) Without rechargeable battery (you can find the battery weight at www.bosch-professional.com)

B) Limited performance at temperatures < 0 °C

Values can vary depending on the product, scope of application and environmental conditions. To find out more, visit www.bosch-professional.com/wac.

Noise/Vibration Information

Noise emission values determined according to **EN IEC 62841-2-16**.

Typically, the A-weighted noise level of the power tool is: Sound pressure level **85** dB(A); sound power level **96** dB(A). Uncertainty K = **3** dB.

Wear hearing protection!

Vibration values a_h (continuous vibrations), p_F (repeated shock vibrations) and uncertainty K determined according to **EN IEC 62841-2-16**:

a_h = **6.3** m/s² (K = **1.5** m/s²), p_F = **2348** m/s² (K = **46** m/s²)

The vibration level and noise emission value given in these instructions have been measured in accordance with a standardised measuring procedure and can be used to com-

pare power tools. They can also be used for a preliminary estimation of vibration and noise emissions.

The stated vibration level and noise emission value represent the main applications of the power tool. However, if the power tool is used for other applications, with different accessories or is poorly maintained, the vibration level and noise emission value can differ. This can significantly increase the vibration and noise emissions over the total working period.

To estimate vibration and noise emissions accurately, the times when the tool is switched off or when it is running but not actually being used should also be taken into account. This can significantly reduce vibration and noise emissions over the total working period.

Implement additional safety measures to protect the operator from the effects of vibration, such as servicing the power tool and accessories, keeping their hands warm, and organising workflows correctly.

Rechargeable battery

Bosch sells some cordless power tools without a rechargeable battery. You can tell whether a rechargeable battery is included with the power tool by looking at the packaging.

Charging the battery

- ▶ **Use only the chargers listed in the technical data.** Only these chargers are matched to the lithium-ion battery of your power tool.

Note: Lithium-ion rechargeable batteries are supplied partially charged according to international transport regulations. To ensure full rechargeable battery capacity, fully charge the rechargeable battery before using your tool for the first time.

Inserting the Battery

Push the charged battery into the battery holder until it clicks into place.

Removing the Battery

To remove the rechargeable battery, press the battery release button and pull the battery out. **Do not use force to do this.**

The rechargeable battery has two locking levels to prevent the battery from falling out if the battery release button is pressed unintentionally. The rechargeable battery is held in place by a spring when fitted in the power tool.

Battery charge indicator

Note: Not all battery types have a battery charge indicator.

The green LEDs on the battery charge indicator indicate the state of charge of the battery. For safety reasons, it is only possible to check the state of charge when the power tool is not in operation.

Press the button for the battery charge indicator On or to show the state of charge. This is also possible when the battery is removed.

If no LED lights up after pressing the button for the battery charge indicator, then the battery is defective and must be replaced.

The state of charge of the battery is also displayed on the user interface (see "Status indicators", page 15).

Rechargeable battery type GBA 18V... | GBA18V...

LED	Capacity
3× continuous green light	60–100 %
2× continuous green light	30–60 %
1× continuous green light	5–30 %
1× flashing green light	0–5 %

Battery model ProCORE18V... | EXPERT18V... | EXBA18V... | CORE18V...

LED	Capacity
5 × continuous green light	80–100 %
4 × continuous green light	60–80 %
3 × continuous green light	40–60 %
2 × continuous green light	20–40 %
1 × continuous green light	5–20 %
1 × flashing green light	0–5 %

Battery defect risk detection

EXPERT18V... | EXBA18V...

In addition to the state of charge of the rechargeable battery, the LEDs on the battery charge indicator can also indicate the risk of a battery defect.

To activate the function, press and hold the button for the battery charge indicator for 3 seconds. The analysis of the battery is signalled by a moving light on the battery charge indicator. The result of is shown on the battery charge indicator.

1 LED: The rechargeable battery has a high defect risk. Performance and runtime may already be reduced. Replacing the rechargeable battery is recommended.

5 LEDs: The rechargeable battery is in good condition and has a low defect risk.

Please note: The rechargeable battery defect risk assessment works in a binary manner and offers a simplified status assessment, indicating either that the rechargeable battery is in good condition or that the rechargeable battery has an increased defect risk. A percentage of the battery status is not shown.

Recommendations for Optimal Handling of the Battery

Protect the battery against moisture and water.

Only store the battery within a temperature range of –20 to 50 °C. Do not leave the battery in your car in the summer, for example.

Occasionally clean the ventilation slots on the battery using a soft brush that is clean and dry.

A significantly reduced operating time after charging indicates that the battery has deteriorated and must be replaced.

Follow the instructions on correct disposal.

Assembly

▶ **Before carrying out any work on the power tool (e.g. maintenance, tool change etc.), remove the battery from the power tool.** There is risk of injury from unintentionally pressing the on/off switch.

Inserting/Changing the Magazine (see figure A)

Insert the magazine **(12)** into the power tool and allow it to engage.

To change the magazine, press the unlocking lever **(11)** clockwise. Remove the magazine from the power tool with a slight rotation.

Filling/Emptying the Magazine (see figure B)

▶ **Be careful when handling nails, especially when loading and unloading.** The nails have sharp points which may result in personal injury.

▶ **Only use nails that have been recommended by Bosch for your power tool.** Using unapproved nails can damage the power tool and cause injuries.

During any work on the magazine, hold the power tool in such a manner that the outlet **(18)** is not pointed at your body or at other persons.

Select nails suited to the intended application:

Designation	Order number	Suitable for	Length (mm)	Diameter (mm)		Material	Nail strip colour
				Shank	Head		
NB-16	1 600 A02 F4K	Concrete	16	2.7 (smooth)	6.25	High-carbon steel, electrogalvanised	Blue
NB-19	1 600 A02 F4L		19				
NB-25	1 600 A02 F4M		25				
NB-32	1 600 A02 F4N		32				
NB-38	1 600 A02 F4P		38				
NK-35	1 600 A02 F4R		35	2.7 (knurled)			
NM-13	1 600 A02 F4S	Steel	13	3 (graduated)			Black
NM-16	1 600 A02 F4T		16				
NM-19	1 600 A02 F4U		19				
GNB 18V-40:							
NB-40	1 600 A02 R7F	Concrete	40	2.7 (smooth)	6.25	High-carbon steel, electrogalvanised	Blue

Filling the Magazine:

– If necessary, clean the magazine slider **(14)** and magazine **(12)**, e.g. with a paintbrush.

– Press the button **(15)** on the magazine slider **(14)** and slide it towards the magazine opening until it engages.

– Push a suitable nail strip **(22)** into the magazine opening. The standard magazine can be filled with maximum 2 nail strips and the extended magazine (accessory) can be filled with 4.

– Press the button **(15)** on the magazine slider **(14)** and slide it forwards as far as it will go.

Note: If only 2 nails are contained in the magazine **(12)**, the contact element **(17)** can no longer be pressed and no discharging procedure is triggered. Fill up the magazine.

Emptying the Magazine:

– Press the button **(15)** on the magazine slider **(14)** and slide it towards the magazine opening until it engages.

– Rotate the magazine so that the nail strip **(22)** can slide out of the magazine opening.

Removing/Changing the Contact Element (see figure C)

The contact element can be removed to be cleaned or changed.

GNB 18V-38: Only use the standard contact element **(17)**.

GNB 18V-40: Use the appropriate contact element depending on the application:
- The standard contact element **(17)** is suitable for inserting nails and (in combination with the magnet ring **(24)**) for attaching steel fastening elements.
- The narrow contact element **(23)** is suitable for attaching plastic fastening elements.

Remove the rechargeable battery **(10)**. Empty the magazine **(12)** and remove it.

Pull the release button **(16)** of the contact element and pull the contact element **(17)** or **(23)** out of the power tool.

Push the cleaned or new contact element **(17)** or **(23)** into the power tool until it clicks into place.

Operation

Starting Operation

Switching On and Off

To **switch on** the power tool, press the on/off button **(1)** on the user interface until the user interface lights up.

To **switch off** the power tool, press the on/off button **(1)** again.

The power tool switches off automatically after 30 min if it is not being used.

Checking the Suitability of the Substrate

Check the suitability of the substrate before loading the power tool with nails or performing fastening.

The substrate must be level and free from residue.

To check the hardness of the substrate material, use a nail as a centre punch. Use a hammer to hit it with a powerful strike on the material. Check the result:
- The point of the nail is blunted: The substrate is too hard and not suitable; the nail may ricochet.
- The material tears or splinters: The substrate is too brittle and is not suitable. Particles may hit you or other people, or the nail may completely penetrate the substrate.
- When struck with a hammer, the nail sinks into the substrate: The substrate is too soft and is not suitable; the nail may fully penetrate the substrate.
- The nail leaves behind a small recess in the substrate: The substrate is suitable for fastening.

Initiating the Discharging Procedure

- Switch on the power tool.
- Press the unlocking switch **(5)** to the left to unlock the trigger **(6)** (see figure **D**).
- Ensure that you hold the power tool by the handle **(7)** with a firm grip.
- Press the contact element **(17)** all the way to the substrate.
  When the contact element is pressed, the worklight **(19)** lights up and illuminates the work area in poor lighting conditions.
- Afterwards, briefly press the trigger **(6)** and release it again. This discharges a nail into the substrate.
- **Note:** The trigger **(6)** must be pressed within 2 s after pressing the contact element **(17)**. Otherwise, the power tool goes into safe mode and the discharging process must be restarted.
- For another driving procedure, lift the power tool fully off the substrate and position it firmly at the next required location.
- During work breaks and when work is finished, secure the trigger **(6)** by pressing the unlocking switch **(5)** to the right (see figure **D**).

Note: Securing prevents triggering if the contact element **(17)** is not fully pressed or the trigger **(6)** has not been released between discharging procedures.

Working Advice

▶ **Before carrying out any work on the power tool (e.g. maintenance, tool change etc.), remove the battery from the power tool.** There is risk of injury from unintentionally pressing the on/off switch.

Before starting work, always check that the safety and actuation devices are functioning correctly and that all screws and nuts are tightly seated.
If a power tool is defective or not functioning properly, disconnect it immediately from the power supply and contact an authorised **Bosch** after-sales service centre.

Do not perform any incorrect manipulations on the power tool. Do not disassemble or block any components of the power tool. Do not carry out "emergency repairs" with unsuitable means.

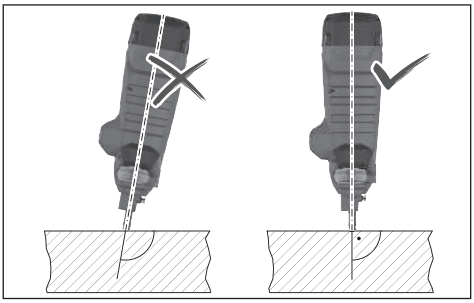
Avoid any tampering and damage to the power tool, e. g. from:
- Imprinting or engraving,
- Retrofitting measures not approved by the manufacturer,
- Dropping on or sliding over the floor,
- Using as a hammer,
- Applying any kind of force.

For longer work breaks and after finishing work, switch off the power tool, remove the battery and empty the magazine if possible.

Requirements for Discharging Procedures

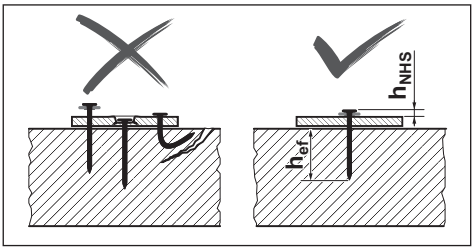
When fastening, observe the manufacturer's specifications for the material being fastened, as well as the construction plans for the systems.

Make sure to check whatever is below or behind your workpiece. Do not insert nails into walls, ceilings or floors when persons are behind them. The nails may punch through the substrate and may cause injury.

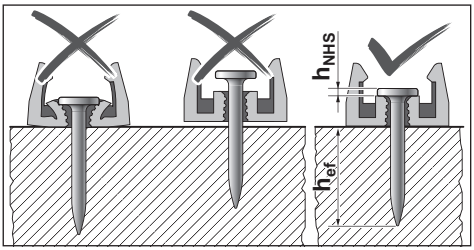


The nails must always be discharged into the substrate at a perpendicular angle.

Do not insert a nail on top of one that has already been inserted. This could cause the nail to deform, the nails could become jammed or the power tool could move in an uncontrolled manner.

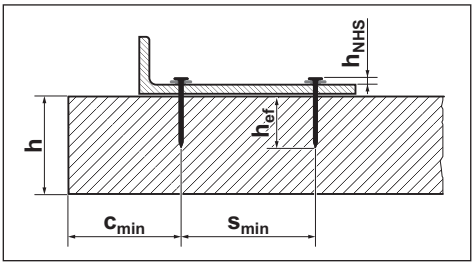


Check whether the nails have been inserted correctly. For fastening to be secure, they must sit neither too high nor too low nor be bent.



GNB 18V-40: When attaching fastening elements, also check that the nails have been set correctly.

If concrete is damaged by failed nails, it must be repaired in accordance with recognised rules.



Please find the following information in the documentation of **Bosch** nails at http://www.bosch-pt.com:

- Nail head distance $\mathbf{h}_{NHS}$
- Effective embedment length $\mathbf{h}_{ef}$
- Minimum thickness of concrete element **h**
- Minimum distance between two nails $\mathbf{s}_{min}$
- Minimum edge distance $\mathbf{c}_{min}$
- Recommended loads

Attaching Fastening Elements (GNB 18V-40) (see figures E–F)

You can use the power tool to attach individual plastic or steel fastening elements to the substrate.

Examples of fastening elements:

	Order number	Description
	1 600 A03 2G6	Pipe clamp 16 mm
	1 600 A03 2G7	Pipe clamp 20 mm
	1 600 A03 2G8	Pipe clamp 25 mm
	1 600 A03 2G9	Pipe clamp 32 mm
	1 600 A03 2GA	Pipe clamp 40 mm
	1 600 A03 2GB	Cable bracket (one-sided) for 8 cables
	1 600 A03 2GC	Cable bracket (double-sided) for 16 cables
	1 600 A03 2GD	Cable holder for 20 cables
	1 600 A03 2GE	Cable holder for 40 cables
	1 600 A03 2GF	Cable tie holder
	1 600 A03 2GG	Cable ties 8–32 mm
	1 600 A03 2GH	Cable ties 16–63 mm

You can find the complete range of **Bosch**-fastening elements at www.bosch-pt.com.

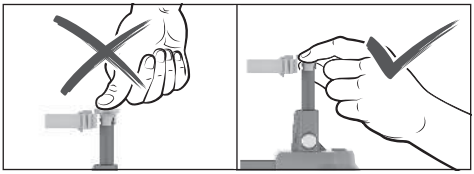
- ▶ **Only use fastening elements that are recommended for your power tool by Bosch.** The use of unauthorised fastening elements can damage the power tool and cause injury.

For **plastic** fastening elements, use the narrow contact element **(23)** (see figure **E**).

For **steel** fastening elements, use the standard contact element **(17)** (see figure **F**). Slide the magnet ring **(24)** sideways over the tip of the contact element so that it clicks into place.

Place a fastening element with the intended nail hole on the contact element **(23)** or the magnet ring **(24)**.

▶ **Only ever fit a single fastening element.** Several elements on top of each other can lead to injuries or damage.



▶ **Always keep your hands to the side of the outlet when fitting the fastening element. Always point the outlet away from yourself or other persons. Do not press the contact element inwards. Keep your fingers away from the trigger.** Unexpected triggering can cause a nail to be released, which can lead to injuries or damage to the power tool.

Press the contact element with the fastening element in place onto the substrate. Trigger the discharging procedure as usual.

Adjusting the Depth Stop

Set the fastening depth using the depth stop switch **(20)** so that the correct value for the nail head distance $\mathbf{h}_{NHS}$ is achieved.

Nail too deep: Press the depth stop switch **(20)** to the right.
If the nails are driven in too deep, use longer nails.

Nail not deep enough: Press the depth stop switch **(20)** to the left.
If the nails are not driven in deep enough, use shorter nails.

Clearing Jams/Resetting

Clear jams if the status display **(2)** lights up red or orange, or if the nails are no longer discharged correctly.

– Remove the rechargeable battery **(10)**. Empty the magazine **(12)** and remove it. Remove the contact element **(17)**.
– Check the magazine **(12)** and clear away dirt, residue and foreign objects.
– Check the contact element **(17)** and clear away nails, nail fragments, residue or foreign objects with the punch pin **(21)**. When doing so, ensure that you do not damage the contact element.
– In sequence, re-insert the contact element **(17)**, magazine **(12)** and battery **(10)**.
– Press the button **(15)** on the magazine slider **(14)** and slide it towards the magazine opening until it engages.
– Switch on the power tool.
– Press the Reset button **(4)** for 5 seconds until the status indicator **(2)** starts to flash.
– Press the contact element **(17)** against a wooden block or similar and press the trigger **(6)**. By doing this, the motor can bring the firing pin into the correct position.
– If another fault is detected, the power tool does not return to normal operation. Instead, the other fault appears in the status display **(2)**.

Removing the Supporting Leg

The supporting leg **(13)** allows the power tool to be aligned at a perpendicular angle on an even substrate.

For work on an uneven substrate, you can remove the supporting leg **(13)**. To do so, slide it behind the magazine **(12)**.

Hanging Up the Power Tool

You can use the utility hook **(25)** to attach the switched-off power tool to a suitable suspension device.

Using the screw supplied, screw the utility hook **(25)** to the housing of the power tool (see figure **G**).

– Check the utility hook **(25)** for damage or deformation. Do not use the utility hook **(25)** if it is damaged, deformed or no longer firmly secured to the power tool.
– Use the utility hook **(25)** to attach the power tool to a suspension device.
To avoid damage or injury, the suspension device must not be attached above walkways or immediate work areas.

The utility hook is intended solely for the purpose of hanging the power tool, including fitted accessories.

▶ **Never use the utility hook as a fall protection system.**

Transport

For transport, switch off the power tool; especially when using ladders or moving in an unusual stance or posture.

Lock the trigger with the unlocking switch **(5)**. At the workplace, carry the power tool only by the handle **(7)** and with the trigger **(6)** released.

User interface

The user interface is used as follows:

– For switching the power tool on/off
– As the power tool status indicator
– As the battery charge indicator
– For resetting

Status indicators

Colour of the status indicator (2)	Meaning/cause	Solution
Green	The power tool is ready for use.	–
Yellow	Overheat protection: Motor or electronics are too warm.	Allow the power tool to cool down. If the motor and electronics are within the operating temperature, the power tool automatically returns to normal operation.
Blue	Protection against cold: The power tool is too cold.	Allow the power tool to reach the correct temperature in a warm environment. If the motor and electronics are within the operating temperature, the power tool automatically returns to normal operation.
Red	Jam detected: The firing pin cannot return to the correct position.	Clear the jam (see "Clearing Jams/Resetting", page 14).
Orange	The motor is blocked: The firing pin cannot be moved into the correct position.	Clear the jam (see "Clearing Jams/Resetting", page 14).
Cyan	Overcurrent protection: The motor is consuming too much power.	Check the power tool for jams or significant contamination and clear these (see "Clearing Jams/Resetting", page 14). If the error persists, contact an authorised after-sales service centre for **Bosch** power tools.
Magenta (3 s long, green thereafter)	Maintenance is recommended: Error rate too high (e.g. bent nails or inadequate penetration depth)	Contact an authorised after-sales service centre for **Bosch** power tools.
White	Electronics or sensor fault	The power tool has been put into safe mode and cannot be used. Contact an authorised after-sales service centre for **Bosch** power tools.

Battery charge indicator (3)	Capacity
5 × continuous green light	80–100 %
4 × continuous green light	60–80 %
3 × continuous green light	40–60 %
2 × continuous green light	20–40 %
1 × continuous green light	5–20 %
1 × flashing green light	0–5 %

Maintenance and Service

Maintenance and Cleaning

- ▶ **Before carrying out any work on the power tool (e.g. maintenance, tool change etc.), remove the battery from the power tool.** There is risk of injury from unintentionally pressing the on/off switch.
- ▶ **To ensure safe and efficient operation, always keep the power tool and the ventilation slots clean.**

If the power tool has been stored for 2 years or longer without use, maintenance at an authorised after-sales service centre for **Bosch** power tools is recommended.

Rectifying Errors

Problem	Cause	Corrective measure
The power tool does not react.	No battery or empty battery inserted	Insert a charged battery.
	Battery and/or power tool outside the operating temperature	Allow the battery and power tool to reach the correct operating temperature.
	Power tool not switched on	Switch on the power tool using the on/off button **(1)** on the user interface.
No discharging procedure triggered	≤ 2 nails in the magazine **(12)**	Fill up the magazine **(12)**.
	Trigger **(6)** locked	Press the unlocking switch **(5)** to the left to unlock the trigger **(6)**.

Problem	Cause	Corrective measure
	Work sequence incorrectly performed	Observe the correct work sequence: – Lift the contact element **(17)** from the substrate. – Release the trigger **(6)**. – Press the contact element at a perpendicular angle on the substrate. – Press the trigger within 2 seconds after pressing on the contact element.
Nail is not sitting deep enough.	Power tool too cold	Allow the power tool to reach the correct operating temperature.
	Depth stop incorrectly set	Press the depth stop switch **(20)** to the left.
	Nail too long	Use shorter nails. Observe the suitable effective embedment length $\mathbf{h}_{ef}$ for your application.
	Substrate too hard	Use alternative fastening methods, e.g. dowels.
Nail is sitting too deep.	Depth stop incorrectly set	Press the depth stop switch **(20)** to the right.
	Nail too short	Use longer nails. Observe the suitable effective embedment length $\mathbf{h}_{ef}$ for your application.
	Substrate too soft	Use alternative fastening methods, e.g. dowels.
Nail is bent or breaks.	Power tool positioned at a slant on the substrate	Position the power tool perpendicular to the substrate. For an even substrate, use the supporting foot **(13)** to align it.
	Nail too long	Use shorter nails. Observe the suitable effective embedment length $\mathbf{h}_{ef}$ for your application.
	Substrate too hard	For concrete with hard inclusions, try fastening at a different point. Otherwise, use alternative fastening methods, e.g. dowels.
Nail does not grip in steel.	Steel substrate too thin	Use alternative fastening methods, e.g. screwdriving.
Nail does not come out of contact element or contact element remains in pressed-in position.	Jamming in the contact element (e.g. due to foreign objects or dirt)	Clear the jam (see "Clearing Jams/Resetting", page 14).
Error rate too high	Substrate too hard	Use alternative fastening methods, e.g. dowels.
	Firing pin worn	Have power tool repaired by an authorised after-sales service centre for **Bosch** power tools.
Nails do not slide into the magazine.	Magazine dirty	Clean the magazine **(12)**, e.g. with a paintbrush.

After-Sales Service and Application Service

Great Britain
Tel. Service: (0344) 7360109

GB Importer:
Robert Bosch Ltd.
Broadwater Park
North Orbital Road
Uxbridge
UB9 5HJ

You can find the link to our service addresses and warranty conditions on the last page.

In all correspondence and spare parts orders, please always include the 10-digit article number given on the nameplate of the product.

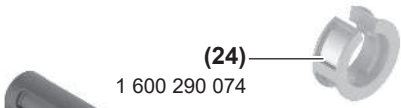
Disposal

Power tools, rechargeable batteries, accessories and packaging should be sorted for environmental-friendly recycling.

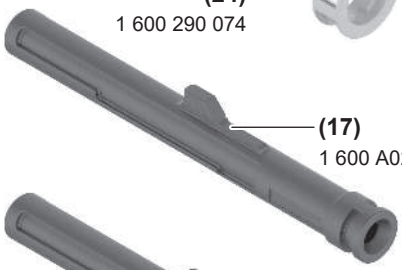
Do not dispose of power tools and batteries/rechargeable batteries into household waste!

Only for EU countries and United Kingdom:

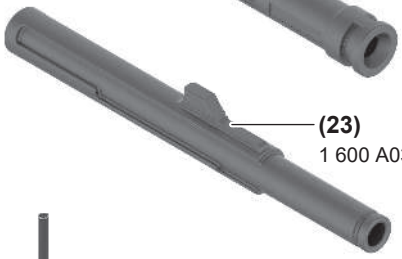
Electrical and electronic equipment or used batteries that are no longer suitable for use must be collected separately and disposed of in an environmentally friendly manner. Use the designated collection systems. Incorrect disposal may cause harmful effects on the environment and human health, due to the potential presence of hazardous substances.



(24)
1 600 290 074



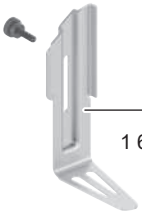
(17)
1 600 A02 HL3



(23)
1 600 A03 42E

(12)
2 608 000 836

(21)
1 600 A03 42F



(25)
1 600 A03 6MM

XL-BOXX
1 600 A02 59V

1 600 A02 R2X

Servicekontakte
Service Contacts
Contacts de Service
Contactos de Servicio
Контакты сервисных центров

https://www.bosch-pt.com/serviceaddresses

Garantiebedingungen
Guarantee Conditions
Conditions de Garantie
Condiciones de Garantía
Условия гарантии

https://www.bosch-pt.com/guarantee/202601