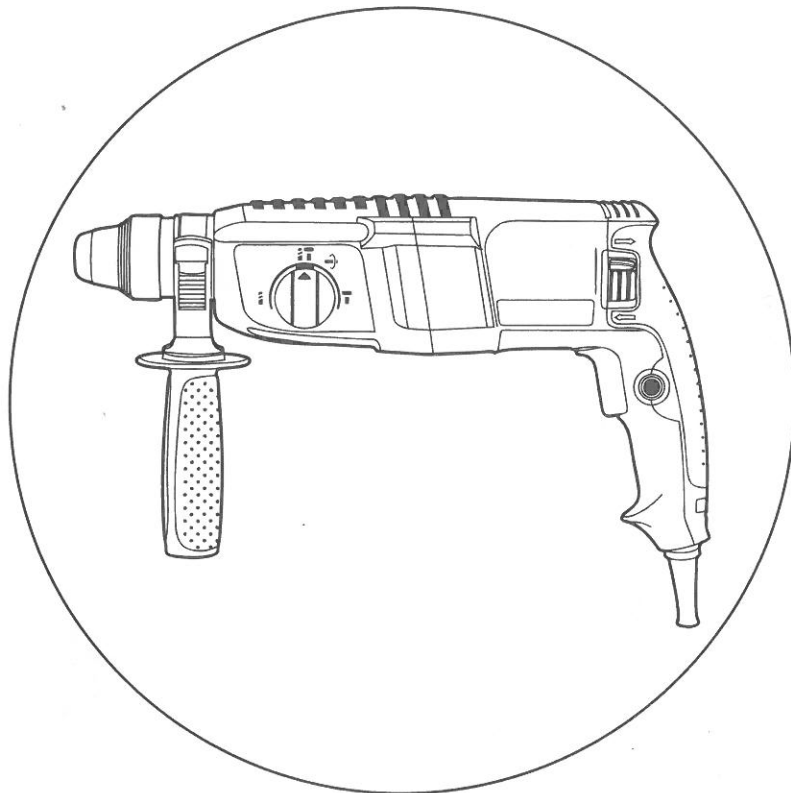


GS POWER

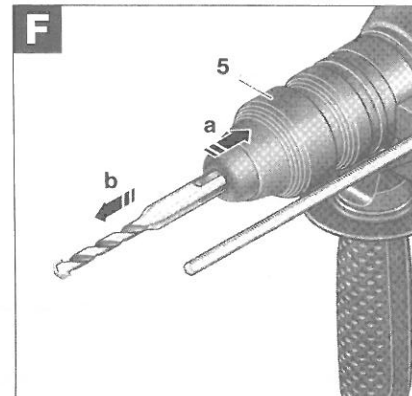
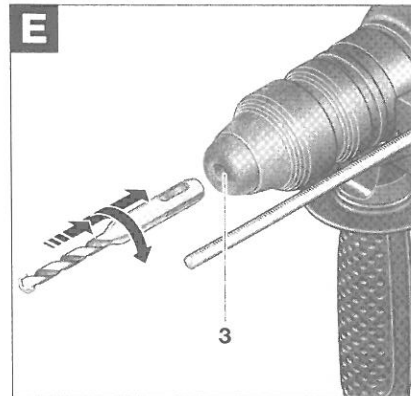
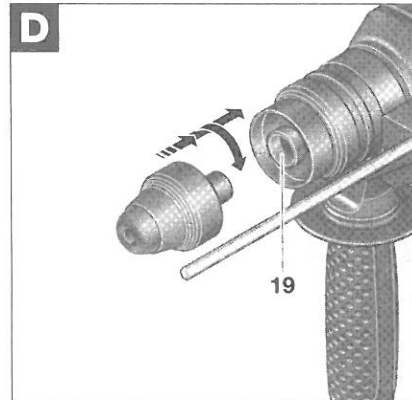
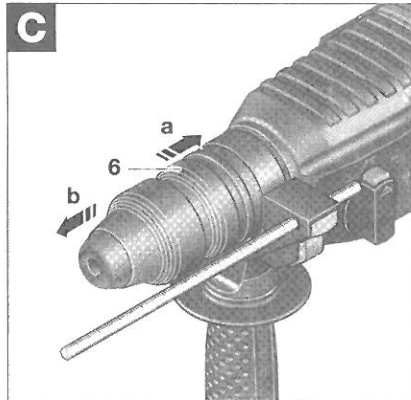
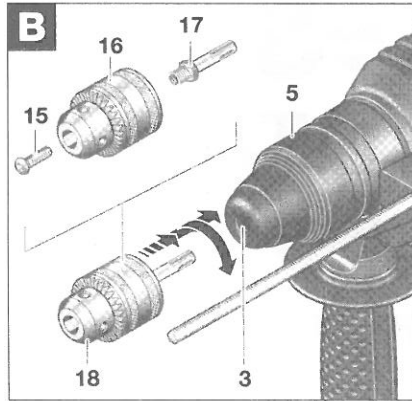
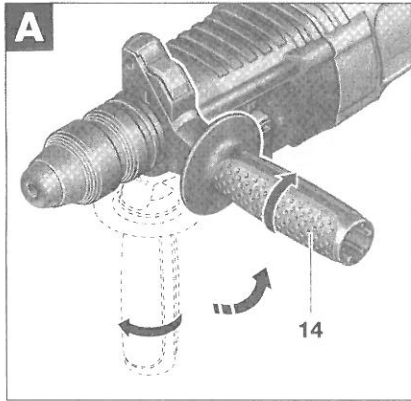
ROTARY HAMMER

GS-2603

Handling instructions



Read through carefully and understand these instructions before use.



1 SPECIFIC SAFETY RULES FOR DRILL HAMMERS



Working safely with this machine is possible only when the operating and safety information are read completely and the instructions contained therein are strictly followed.

In addition, the general safety notes in the enclosed booklet must be observed. Before using for the first time, ask for a practical demonstration.

To prevent damage to hearing, wear hearing protection.

Wear safety glasses.

For long hair, wear hair protection. Work only with close-fitting clothes.



Dust produced while working can be detrimental to health, inflammable or explosive. Suitable protection measures are required.

Examples: Some dusts are considered to be carcinogenic. Use suitable dust/chip extraction and wear a dust protection mask.

Light metal dust can burn or explode. Always keep the work place clean since material mixtures are especially dangerous.

If the cable is damaged or cut through while working, do not touch the cable but immediately pull the power plug. Never use the machine with a damaged cable.

Connect machines that are used in the open via a residual current device (RCD) with an actuating current of 30 mA maximum. Do not operate the machine in rain or moisture.

Always direct the cable to the rear away from the machine.

Use suitable detectors to find hidden utility lines or call the local utility company for assistance. Contact with electric lines can lead to fire or electrical shock. Damaging a gas line can result in an explosion. Penetrating a water pipe will cause property damage or an electrical shock.

Operate the machine only with the auxiliary handle 11.

Secure the work piece. A work piece held with clamping devices or in a vise is more secure than when held by hand.

Place the machine on the nut/screw only when switched off.

Be careful when screwing in long screws; danger of sliding off.

When working, always hold the machine firmly with both hands and provide for a secure stance.

Always switch the machine off and wait until it has come to a standstill before placing it down.

Never allow children to use the machine.

Bosch is able to ensure perfect functioning of the machine only if the original accessories intended for it are used.

Overload Clutch

If the drill bit becomes jammed or caught, the drive to the drill spindle is interrupted. Because of the forces that occur as a result, **always hold the machine securely with both hands and take a firm stance.**

Product Specifications

Percussion drill GBH2-26... PROFESSIONAL	...E	...RE	...DE	...DRE	...DFR
Speed control	●	●	●	●	●
Rotation stop	–	–	●	●	●
Right/Left rotation	–	●	–	●	●
Quick change drill chuck	–	–	–	–	●
Rated input power [W]	850	850	850	850	850
Impact rate at nominal rotational speed [per min]	0...5500	0...5500	0...5500	0...5500	0...5500
Impact energy per stroke [J]	3.0	3.0	3.0	3.0	3.0
No-load speed					
Right rotation [RPM]	0...1300	0...1300	0...1300	0...1300	0...1300
Left rotation [RPM]	–	0...1300	–	0...1300	–
SDS-plus tool holder	●	●	●	●	●
Spindle collar diameter [mm]	50	50	50	50	50
Maximum drill diameter:					
Masonry (core drill) [mm]	68	68	68	68	68
Concrete [mm]	26	26	26	26	26
Wood [mm]	30	30	30	30	30
Steel [mm]	13	13	13	13	13
Weight (without accessories) approx. [kg]	2.7	2.7	2.7	2.7	2.7
Protection class	II / II	II / II	II / II	II / II	II / II

The specifications apply for the rated voltage of [U] 230/240 V. For lower voltages and with models for specific countries, the specifications can vary.

Please take note of the order number of your machine since the trade name of the individual machines can vary.

Noise/Vibration Information

Measured values determined according to EN 50 144.

The A-weighted noise levels of the tool are typically:
 Sound pressure level: 91 dB(A);
 Sound power level: 104 dB(A).

Wear ear protection!

The weighted acceleration is typically 12 m/s².

Intended Use

2-26 E/RE

These machines are intended for hammer drilling in concrete, brick and stone. They are likewise suitable for drilling without impact in wood, metal, ceramic and plastic.

Machines with electronic control and right/left rotation are also suitable for screw driving and thread cutting.

2-26 DE/DRE/DFR

These machines are intended for hammer drilling in concrete, brick and stone as well as for light chiseling work. They are also suitable for drilling without impact in wood, metal, ceramic and plastic.

Machines with electronic control and right/left rotation are also suitable for screw driving and thread cutting.

Product Elements

Please open the fold-out page with the illustration of the unit and leave it open while you read these operating instructions.

The numbering of the machine elements refers to the illustration of the machine on the graphic page.

- Quick change keyless chuck (2-26 DFR)
- SDS-plus quick change drill chuck (2-26 DFR)
- Tool holder (SDS-plus)
- Dust protection cap
- Locking sleeve
- Quick change drill chuck locking ring (2-26 DFR)
- Right/Left rotation switch (2-26 RE/DRE/DFR)
- Locking button
- On/Off switch with speed control function
- Unlocking button
- Operational mode selection switch
- Button on the auxiliary handle

- Depth stop
- Auxiliary handle
- Screw for drill chuck*
- Drill chuck*
- SDS-plus adaptor for drill chuck*
- Assembled drill chuck*
- Drill chuck receptacle (2-26 DFR)
- Front sleeve of the quick change keyless chuck (2-26 DFR)
- Holding ring of the quick change keyless chuck (2-26 DFR)
- Clamping screw of the dust extraction attachment*
- Depth stop of the dust extraction attachment*
- Telescope tube of the dust extraction attachment*
- Winged screw of the dust extraction attachment*
- Guide tube of the dust extraction attachment*
- Universal holder for screwdriver bits*

* Not all the accessories illustrated or described are included in standard delivery.

3 OPERATING INSTRUCTIONS

Auxiliary Handle (see Fig. A)

Operate the machine only with the auxiliary handle **14**. By rotating the auxiliary handle **14** to a comfortable position, a fatigue-free and therefore safe working position can be achieved.

Loosen the auxiliary handle **14** in the counter clockwise direction and adjust the handle to the desired working position. Ensure that the clamping band of the auxiliary handle is located in the groove intended for it in the housing.

Then retighten the auxiliary handle **14** by turning in the clockwise direction.

Selecting Drill Chucks and Tools

For hammer drilling and chiseling, SDS-plus tools are required that are inserted in a SDS-plus drill chuck.

For drilling in steel or wood, for screw driving and for thread cutting, tools without SDS-plus are used (for example, drills with cylindrical shafts). For these tools, a quick change keyless or a ring gear drill chuck is required.

Do not use tools without SDS-plus for hammer drilling or chiseling! Tools without SDS-plus and their drill chucks are damaged by hammer drilling or chiseling.

2-26 DFR: The SDS-plus quick change drill chuck can be easily replaced with the keyless drill chuck provided.

Inserting/Replacing the Drill Chuck (2-26 E/RE/DE/DFR)

Inserting the Drill Chuck for Working with Tools without SDS-plus (see Fig. B)

To work with tools without SDS-plus (e.g., drills with cylindrical shafts), a suitable drill chuck must be used. Screw the SDS-plus adaptor **17** (accessory) into the ring gear drill chuck **16**. Secure the drill chuck with the screw **15**.

Clean the adapter shaft and lightly grease the insertion end before inserting.

Insert the shaft of the assembled drill chuck **18** with a twisting motion into the tool holder **3** until it can be heard to lock.

The adapter shaft locks itself. Check the locking by pulling on the drill chuck.

Removing the Drill Chuck

To remove the drill chuck **18**, pull the locking sleeve **5** to the rear, hold in this position and remove the drill chuck from the tool holder.

2-26 DFR

Removing the Quick Change Drill Chuck (see Fig. C)

Pull the quick change drill chuck locking ring **6** to the rear **(a)**, hold it in this position and remove the quick change drill chuck from the drill chuck receptacle **(b)**.

Protect the quick change drill chuck from becoming soiled after removing.

Attaching the Quick Change Drill Chuck (see Fig. D)

Clean the quick change drill chuck before inserting and lightly grease the insertion end.

Take hold of the quick change drill chuck with the complete hand. Slide the quick change drill chuck in a twisting manner onto the drill chuck receptacle **19** until a latching sound can be distinctly heard.

The quick change drill chuck locks itself. Check the locking by pulling on the quick change drill chuck.

Inserting/Replacing the Tool

Take care when changing tools that the dust protection cap **4** is not damaged.

SDS-plus Tools

The SDS-plus tool is designed to be freely movable. This causes eccentricity when the machine is not loaded. However, the drill automatically centers itself during operation. This does not affect drilling precision.

Inserting a SDS-plus Tool (see Fig. E)

GBH 2-26 DFR: Place on the SDS-plus quick change drill chuck **2** (see *Attaching the Quick Change Drill Chuck*).

Clean the tool before inserting and lightly grease the insertion end.

Insert the tool with a twisting motion into the tool holder **3** until it locks.

The tool locks itself. Check the locking by pulling on the tool.

Removing SDS-plus Tools (see Fig. F)

Pull the locking sleeve **5** to the rear **(a)**, hold it in this position and remove the tool from the tool holder **(b)**.

Tools without SDS-plus (2-26 E/RE/DE/DRE)

Do not use tools without SDS-plus for hammer drilling or chiseling! Tools without SDS-plus and their drill chucks are damaged by hammer drilling or chiseling.

Inserting the Tool

Place on the ring gear drill chuck **18** (accessory) (see *Inserting the Drill Chuck for Working with Tools without SDS-plus*).

Turn the sleeve of the ring gear drill chuck in the counter clockwise direction until the tool holder is open wide enough. Insert the tool in the middle of the tool holder and clamp with the drill chuck key uniformly in all three holes.

Tool Removal

Turn the sleeve of the ring gear drill chuck with the aid of the drill chuck key in the counter clockwise direction until the tool can be removed.

Tools without SDS-plus (GBH 2-26 DFR)

Do not use tools without SDS-plus for hammer drilling or chiseling! Tools without SDS-plus and their drill chucks are damaged by hammer drilling or chiseling.

Inserting the Tool (see Fig. G)

Place on the quick change keyless drill chuck **1** (see *Inserting the Quick Change Drill Chuck*).

Hold the holding ring **21** of the quick change keyless drill chuck fixed. Open the tool holder **3** wide enough by turning the front sleeve **20** so that the tool can be inserted.

Continue holding the holding ring **21** fixed and turn the front sleeve **20** in the direction of the arrow until a ratcheting sound can be distinctly heard.

Check the firm seating by pulling on the tool.

Note: After opening the tool holder to the stop, the ratcheting noise can be audible at the subsequent closing as a result of the functional design and the tool holder does not close.

In this case, turn the front sleeve **20** once opposite to the direction of the arrow. The tool holder can then be closed.

Tool Removal (see Fig. H)

Hold the holding ring **21** of the quick change keyless drill chuck fixed. Open the tool holder by turning the front sleeve **20** in the direction of the arrow until the tool can be removed.

Setting the Drilling Depth (see Fig. I)

With the depth stop **13**, the desired drilling depth **t** can be set.

Press the button **12** of the auxiliary handle and insert the depth stop into the auxiliary handle **14** so that the grooved side of the depth stop points downward.

Insert the SDS-plus tool to the stop into the tool holder **3**. Otherwise, the freedom of motion of the SDS tool can lead to an incorrect setting of the drilling depth.

Pull out the depth stop so far that the distance between the drill tip and the tip of the depth stop corresponds to the desired drilling depth **t**.

Dust Extraction with the Vacuuming Attachment (Extra)

Mounting the Dust Extraction Attachment (see Fig. K)

For vacuuming dust, a dust extraction attachment (accessory) is required. While drilling, the dust extraction attachment springs back so that the vacuuming head is always held against the drilled surface.

Press the button **12** of the auxiliary handle and remove the depth stop **13**. Press the button **12** again and insert the dust extraction attachment from the front into the auxiliary handle **14**.

Connect a vacuum hose (19 mm Ø, accessory) to the opening of the dust extraction attachment.

The vacuum cleaner (e.g., GAS ...) must be suitable for the material to be worked.

When vacuuming dry dust that is especially detrimental to health or carcinogenic, use a special vacuum cleaner.

Setting the Drilling Depth on the Dust Extraction Attachment (see Fig. L)

The desired drilling depth **t** can also be set with the dust extraction attachment mounted.

Insert the SDS-plus tool to the stop into the tool holder **3**. Otherwise, the freedom of motion of the SDS tool can lead to an incorrect setting of the drilling depth.

Loosen the winged screw **25** on the dust extraction attachment.

Place the machine (without switching on) firmly on the surface to be drilled. The SDS-plus tool must rest against the surface.

Slide the guide tube **26** of the dust extraction attachment in its holder so that the dust extraction attachment head rests against the surface to be drilled. Do not slide the guide tube **26** any further over the telescope tube **24** than necessary so that as large a part as possible of the scale on the telescope tube **24** remains visible.

Retighten the winged screw **25**. Loosen the clamping screw **22** on the depth stop of the dust extraction attachment.

Slide the depth stop **23** on the telescope tube **24** such that the distance **t** shown in the Figure **L** corresponds to the desired drilling depth (distance between the outer end of the guide tube **26** and the inner side of the depth stop **23**).

Retighten the clamping screw **22** in this position.

Putting into Operation

Always use the correct supply voltage!

The voltage of the power source must agree with the value given on the nameplate of the machine. Machines designated for 230 V can also be operated with 220 V.

Set the Operating Mode

With the operating mode selector switch **11**, select the operating mode of the machine.

Change the operating mode only when the machine is switched off! Otherwise, the machine can be damaged.

To change the operating mode, press the locking button **10** and turn the operating mode selector switch **11** to the desired position until it can be heard to latch.

2-26 E/RE



For hammer drilling in concrete and stone



For drilling in steel or wood, for driving screws and cutting threads.



For adjusting the chiseling position (Vario-Lock)



For chiseling

2-26 DE/DRE/DFR



Setting the Direction of Rotation (2-26 RE/DRE/DFR)

With the right/left rotation switch **7**, the rotational direction of the machine can be changed.

Change the direction of rotation only when the machine is switched off! Otherwise, the machine can be damaged.

Right rotation: Turn the right/left rotation switch **7** on both sides to the stop in the position

Left rotation: Turn the right/left rotation switch **7** on both sides to the stop in the position

Set the direction of rotation for hammer drilling and chiseling always for right rotation.