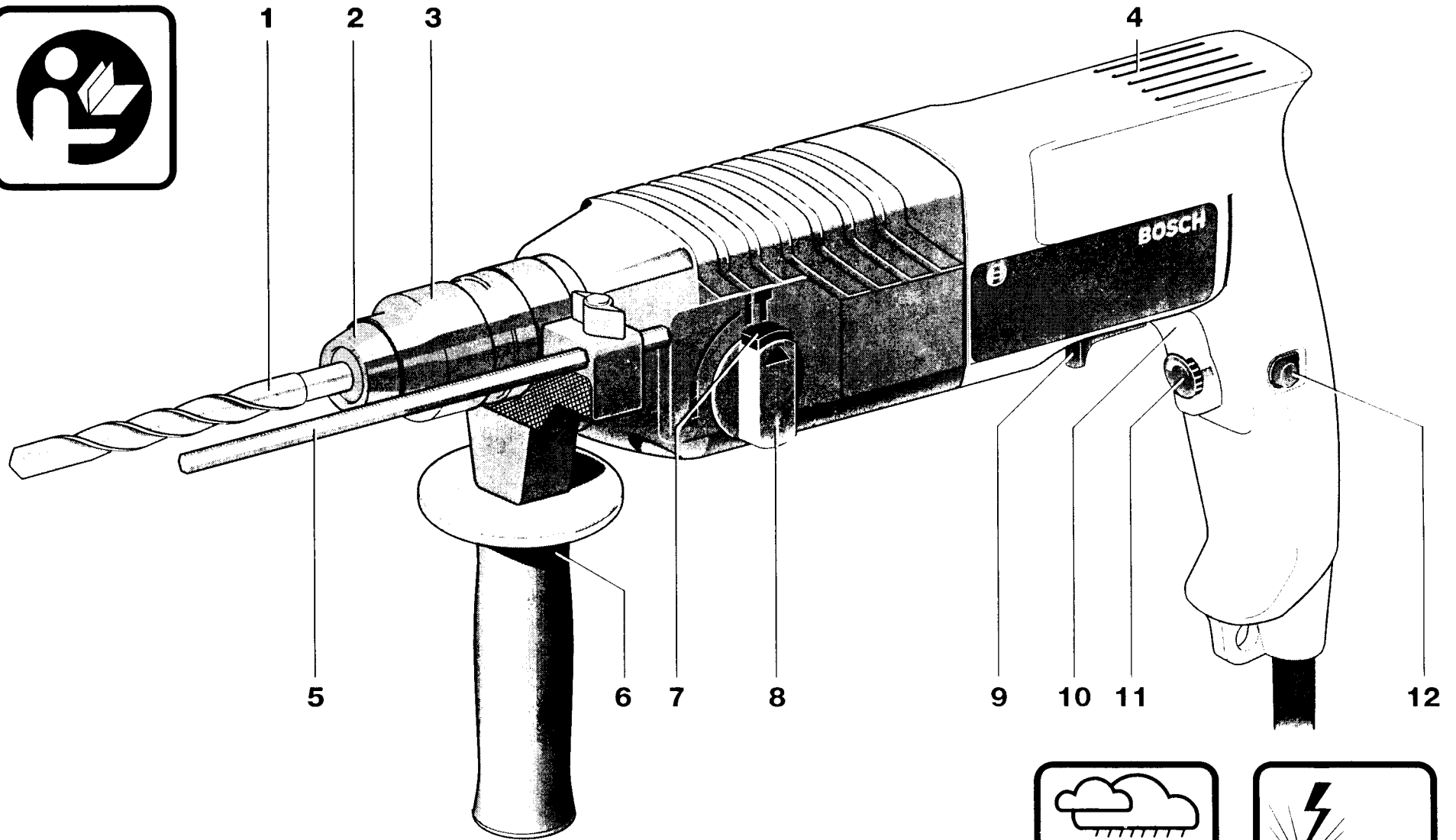
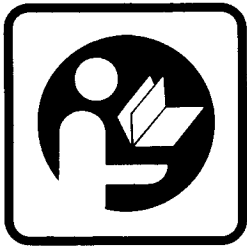


BOSCH



Product data

GB

Percussion drill	GBH 2 S	GBH 2 SE	GBH 2 SR
Part number	0 611 226 0..	0 611 226 5..	0 611 226 8..
Speed control	—	●	●
Pre-selecting speed	—	—	●
Reverse rotation	—	—	●
Power input	620 W	620 W	620 W
Power output	360 W	360 W	360 W
Impact rate	4850 impacts/min	0 ... 4850 impacts/min	0 ... 4850 impacts/min
Impact energy per stroke	2.15 J	2.15 J	2.15 J
Nominal speed: Right rotation (approx.)	870 rpm	0 ... 870 rpm	0 ... 870 rpm
Left rotation (approx.)	—	—	0 ... 500 rpm
Tool mount	SDS-plus	SDS-plus	SDS-plus
Spindle neck diameter	43 mm (Euro Norm)	43 mm (Euro Norm)	43 mm (Euro Norm)
Drilling output:			
Concrete	24 mm (max.)	24 mm (max.)	24 mm (max.)
Granite	16 mm (max.)	16 mm (max.)	16 mm (max.)
Wood	30 mm (max.)	30 mm (max.)	30 mm (max.)
Steel	13 mm (max.)	13 mm (max.)	13 mm (max.)
Weight (without accessories)	approx. 2.4 kg	approx. 2.4 kg	approx. 2.4 kg
Degree of protection	IP / II	IP / II	IP / II

Operating controls

- 1 SDS-plus tool
- 2 Dust cap
- 3 Locking sleeve
- 4 Cooling vent
- 5 Bit stop
- 6 Auxiliary handle
- 7 Release button
- 8 Mode selector switch
- 9 Reversing switch (GBH 2 SR)
- 10 ON/OFF switch
- 11 Speed control (GBH 2 SR)
- 12 Interlock

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

Radio interference suppression

This power tool is radio and TV suppressed in compliance with Directives 76/889/EEC and 82/499/EEC and DIN 57 875/VDE 0875.

Environmental protection



Recycling raw materials instead of waste disposal

These instructions are printed on recycling paper manufactured without chlorine.

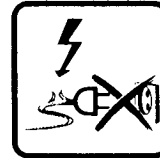
Machine, accessories and packaging should be sorted for environment-friendly recycling.

The plastic components are labelled for categorized recycling.

For your safety



The tool can only be used safely after the operating instructions have been read and fully complied with. It is recommended to receive practical instruction before using the machine for the first time.



Always check the tool, power cord and plug before use. In the event of damage, repair work should only be carried out by a specialist.



Do not use the tool if damp or if the surroundings are damp.



Always wear goggles, protective gloves and robust shoes when using the appliance. Wear ear protection to prevent damage to your hearing.

- Only connect the power plug when the tool is OFF. Disconnect the power plug after use.
- Always disconnect the power plug before performing any work on the tool. Do not carry the tool by the power cord.
- Always keep the extension cable well away from the workplace.
- Keep the tool and accessories out of the reach of children.
- Extension cable and plug must be authorised for outdoor use.
- Always hold the appliance with both hands during operation and adopt a safe stance.
- Persons under 16 are not permitted to use the appliance.
- Only use original Bosch accessories.

Read the “Safety instructions” enclosed with this manual.

Start up

Before starting work always examine the working area for concealed electric lines, gas and water pipes, e.g. with a metal detector.

Always use the correct supply voltage.

The supply voltage must conform to that specified on the rating plate of the appliance.

Appliances rated for 230 V can also be connected to 220 V.

Working in the drill stand:

Locking: Press ON/OFF switch **10** and lock with button **12**.

Unlocking: Press ON/OFF switch **10** and release.

Speed control

Speed control (GBH 2 SE, GBH 2 SR)

Speed can be adjusted during operation by increasing or decreasing the pressure on the ON/OFF switch **10**.

This enables holes to be drilled slowly in smooth surfaces, e.g. tiles, and prevents the drill from slipping. Splitting of drilled materials can also be avoided.

Pre-selecting speed (GBH 2 SR)

Thanks to the variable speed control, rotary speed can be preset to match material requirements. Preselect the required maximum speed using the speed control **11**.

Select the speed to match material characteristics. Refer to the recommended values in the table of speeds.

Changing the tool

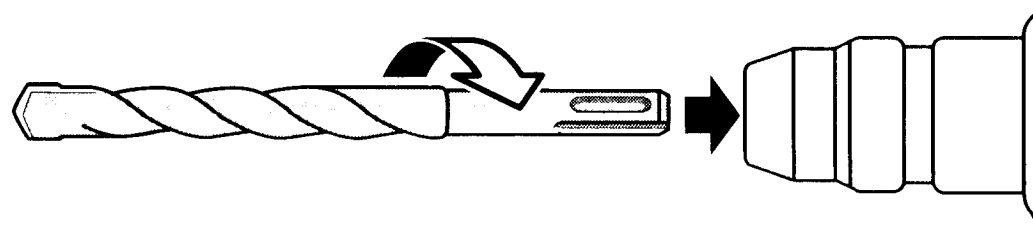
For technical reasons, the SDS-plus tool requires freedom of movement. This causes eccentricity when the appliance is off-load. However, the drill automatically centres itself during operation. This does not affect drilling precision.

Inserting:

The tool mount is maintenance-free. The integrated dust cap protects it against ingress of bore dust during operation. Avoid damaging the dust cap when inserting tools.

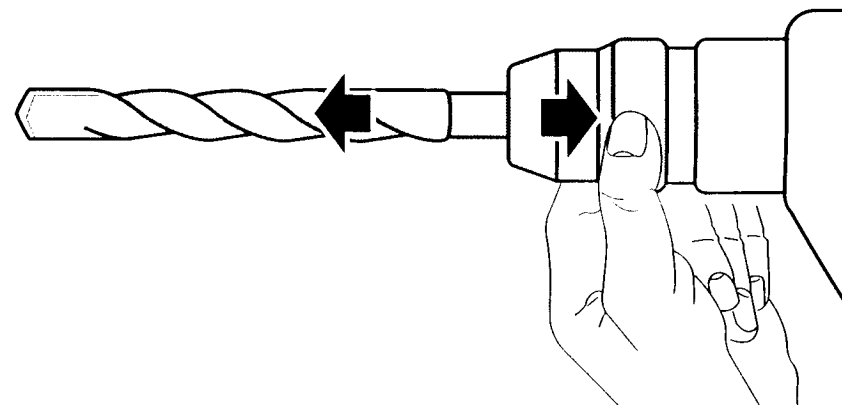
Clean and lightly lubricate tool shaft before insertion.

- Twist the dust-free tool into the tool mount and push it in until it engages. The tool locks in position automatically.
- Pull the tool to check that it is locked correctly.



Removing:

Push back the locking sleeve **3** of the tool mount and remove the tool.

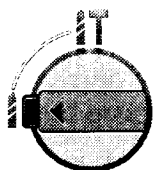


Mode selector switch

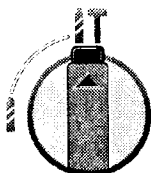
The mode selector switch may only be operated when the appliance is switched off.

Press the release button 7 on the mode selector switch and move the button to the desired position.

Drilling



Percussion drilling



Reversing Switch / Screws

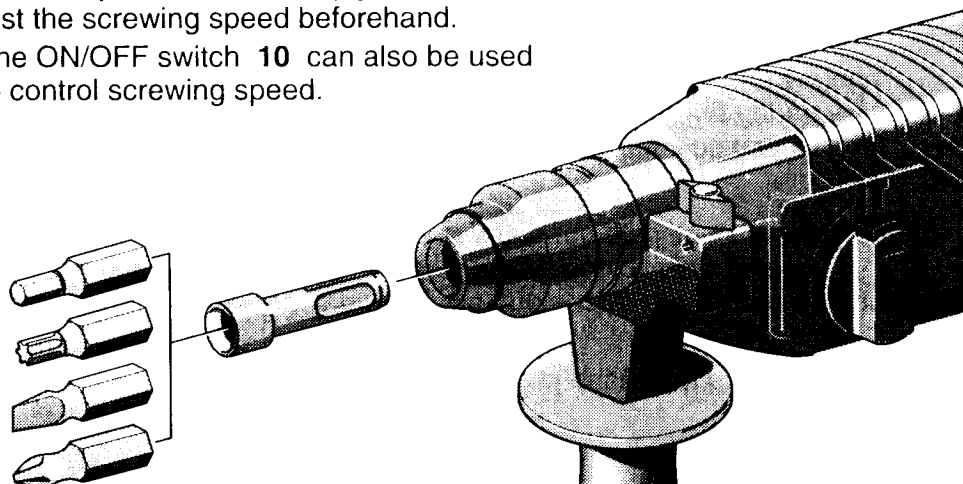
(GBH 2 SR)

The direction of rotation of the appliance can be selected using the reversing switch 9. For improved loosening of screw connections which have been inserted completely, left rotation is restricted to 500 rpm.

For reasons of safety, ON/OFF switch 10 cannot be locked with locking button 12 in left rotation.

The universal adapter with SDS-plus shaft (accessory) must be used for this application.

- Set selector switch to clockwise rotation.
- Set the maximum speed using the speed control 11 so that the screw does not penetrate too deeply or become damaged. You are advised to test the screwing speed beforehand.
- The ON/OFF switch 10 can also be used to control screwing speed.



Drill with cylindrial shaft

Steel, wood and plastic can be drilled with the ring gear chuck (accessory) and the corresponding adapter (accessory).

Twist the mounted dust-free drill chuck into the tool-holding fixture and push in until it engages. The chuck locks automatically. Pull on the drill chuck to check that it is locked.

Set the impact stop switch to  (only activate when the drill is at a standstill).

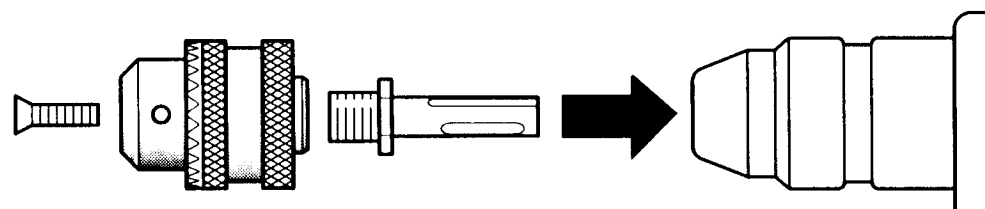











Table of speeds

Application*	Mode selector switch	Speed control	
		GBH 2 SE / SR	GBH 2 SR
Impact drilling Concrete/rock			
Drilling Wood/steel			
Screwing			

* The above specifications are approximate values and must be varied in accordance with hole diameter and material characteristics.

Safety clutch

The safety clutch is activated if the drill becomes jammed or caught. This prevents the appliance from being wrenched out of your hand.

Dust extraction

Dust extraction prevents large accumulations of dust, high concentrations of dust in the ambient air and facilitates disposal.

The appliance can be plugged directly into the socket of a Bosch all-purpose vacuum cleaner which incorporates a **remote-control start** device.

The vacuum cleaner automatically starts when the appliance is switched on.

Saugfix

Attach vacuum attachment (accessory) and connect the vacuum cleaner. The vacuum attachment springs back as far as the preset drilling depth. As a result the vacuum attachment head always remains close to the surface.

Auxiliary handle / Bit stop

For safety reasons, the impact drill may only be operated using the auxiliary handle 6.

Rotating the auxiliary handle to the desired position reduces operator fatigue and enables the operator to adopt a safe stance.

To rotate the auxiliary handle, first release the handle by turning it counter-clockwise.

Then retighten the auxiliary handle.

The bit stop 5 enables the drilling depth to be set.

Maintenance and care

Always remove the plug from the mains socket before carrying out any work on the machine and before cleaning.

- Clean the cooling vents regularly.
- Clean the tool mount daily.

The appliance is maintenance-free. If, despite careful production and rigorous quality assurance, damage is found, the appliance may only be repaired by an authorised service workshop for Bosch electrical tools.

Exchanging dust cap

It is important to replace a damaged dust cap immediately, since the ingress of dust into the tool mount can lead to functional faults.

- Pull back locking sleeve 3 and pull off dust cap 2 diagonally.

Noise emission

The noise emission (sound pressure level) at the workplace may exceed 85 dB (A). In this case, noise and ear protection is required for operating personnel.

The noise of this power tool is measured in accordance with IEC 59 CO 11, IEC 704, DIN 45 635 part 21, NFS 31-031 (84/537/EWG).

Warranty

We guarantee Bosch appliances in accordance with statutory/country-specific regulations (proof of purchase by invoice or delivery note).

Damage attributable to normal wear and tear, overload or improper handling will be excluded from the guarantee.

In case of complaint please send the machine, undismantled, to your dealer or the Bosch Service Centre for electric power tools.

Service

Great Britain:

Robert Bosch Ltd. (B.S.C.)
P. O. Box 98
Broadwater Park
North Orbital Road
Denham-Uxbridge
GB-Middlesex UB 9 5HJ
☎ (08 95) 83 84 26
Fax (08 95) 83 87 89

Ireland:

Beaver Distribution Ltd.
Greenhills Road
IRL-Tallaght-Dublin 24
☎ (01) 51 52 11
Fax (01) 51 71 27

Safety Instructions

Warning! When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury, including the following. Read all these instructions before attempting to operate this pro-duct and save these instructions.

For safe operation:

1. **Keep work area clean**
Cluttered areas and benches invite injuries.
2. **Consider work area environment**
Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well lit. Don't use power tools in presence of flammable liquids or gases.
3. **Guard against electric shock**
Prevent body contact with grounded surfaces (e. g. pipes, radiators, ranges refrigerators).
4. **Keep children away**
Do not let visitors contact tool or extension cord. All visitors should be kept away from work area.
5. **Store idle tools**
When not in use, tools should be stored in dry, high, or locked-up place, out of the reach of children.
6. **Don't force tool**
It will do the job better and safer at the rate for which it was intended.
7. **Use right tool**
Don't force small tools or attachments to do the job of a heavy duty tool. Don't use tools for purposes not intended; for example, don't use circular saw for cutting tree limbs or logs.
8. **Dress properly**
Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and nonskid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
9. **Use safety glasses**
Also use face or dust mask if cutting operation is dusty.
10. **Don't abuse cord**
Never carry tool by cord or yank it to disconnect it from receptacle. Keep cord from heat, oil and sharp edges.
11. **Secure work**
Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
12. **Don't overreach**
Keep proper footing and balance at all times.
13. **Maintain tools with care**
Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and, if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean and free from oil and grease.
14. **Disconnect tools**
When not in use, before servicing, and when changing accessories such as blades, bits and cutters.
15. **Remove adjusting keys and wrenches**
Form the habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
16. **Avoid unintentional starting**
Don't carry plugged-in tool with finger on switch. Be sure switch is off when plugging in.
17. **Outdoor use extension cords**
When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
18. **Stay alert**
Watch what you are doing. Use common sense. Do not operate tool when you are tired.
19. **Check damaged parts**
Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by an authorized service center. Do not use tool if switch does not turn it on and off.
20. **Warning**
The use of any other accessory or attachment other than recommended in this operating instruction or the Bosch catalog may present a risk of personal injury.
21. **Have your tool repaired by an expert**
This electric appliance is in accordance with the relevant safety rules. Repairing of electric appliances may be carried out only by experts otherwise it may cause considerable danger for the user.

BOSCH



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