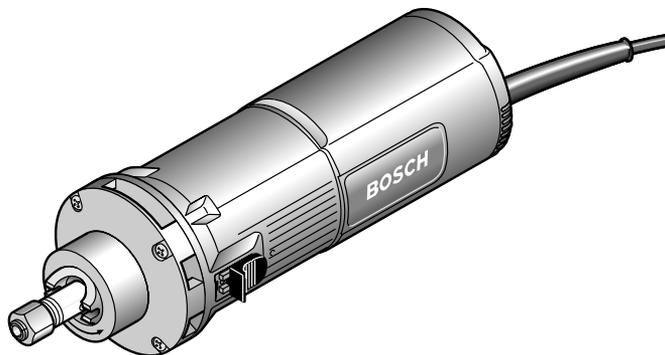


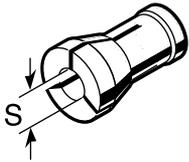
GGG 27 GGG 27 C PROFESSIONAL

BOSCH
Ideas that work.

* Des idées en action.

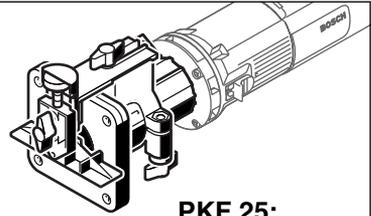
Bedienungsanleitung
Operating instructions
Instructions d'emploi
Instrucciones de servicio
Manual de instruções
Istruzioni d'uso
Gebruiksaanwijzing
Betjeningsvejledning
Bruksanvisning
Brukerveiledningen
Käyttöohje
Οδηγία χειρισμού
Kullanım kılavuzu





S

3 mm 2 608 570 008
 6 mm 2 608 570 047
 8 mm 2 608 570 049
 1/4" 2 608 570 048



PKF 25:
 2 607 020 301



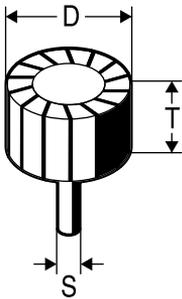
M 15 2 603 312 006



1 607 929 000



2 602 025 032



S

D

T



min⁻¹
 rpm

6 mm

15 mm

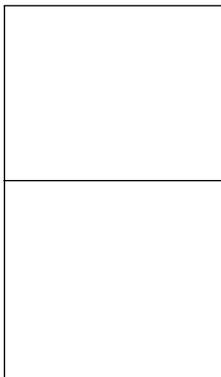
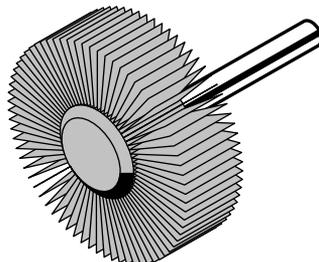
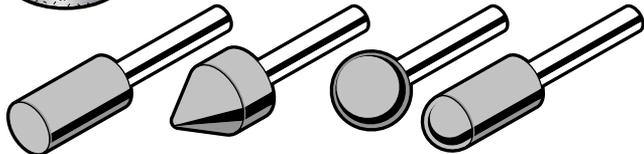
30 mm

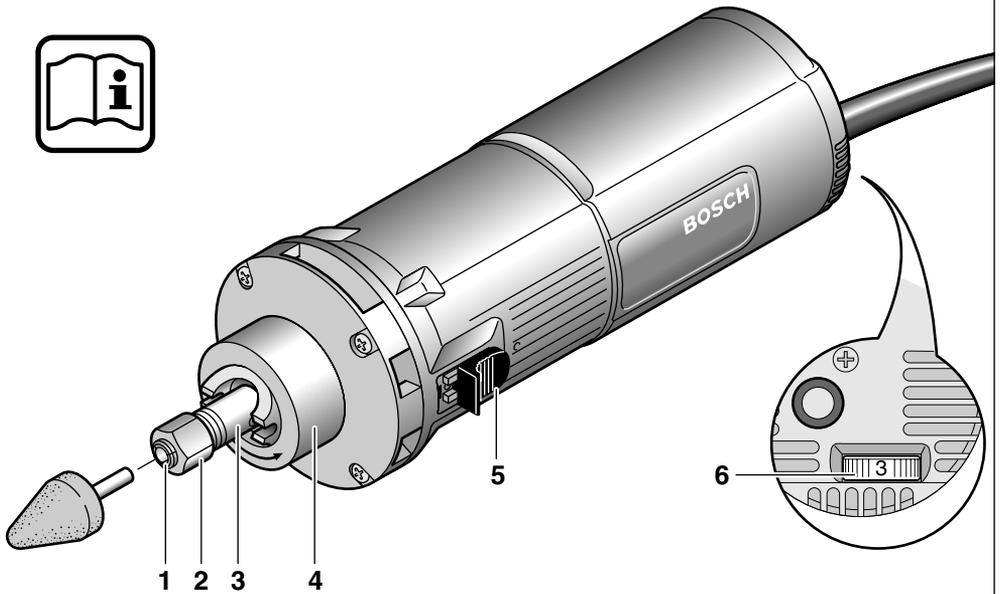
36 000

2 608 620 034

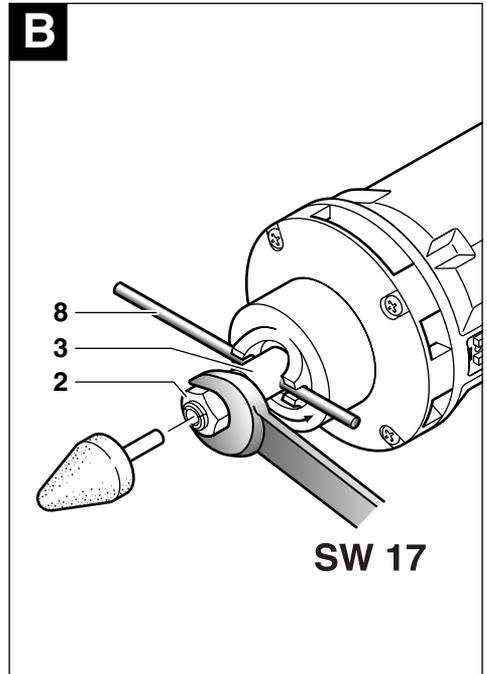
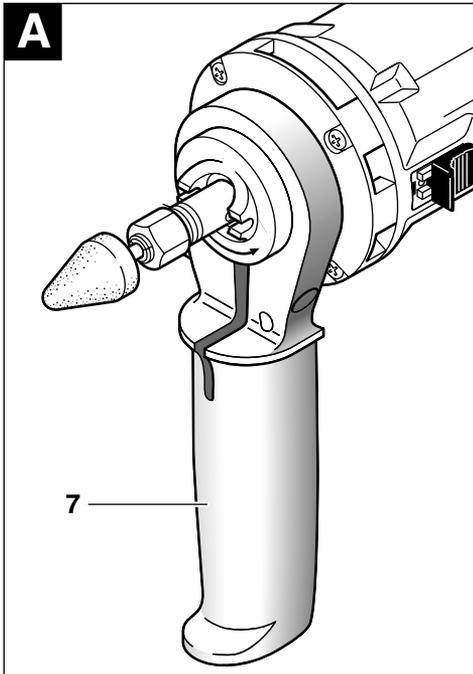


blue:Metal
top





**GGs 27 C
PROFESSIONAL**



Tool Specifications

Straight grinder		GGG 27 PROFESSIONAL	GGG 27 C PROFESSIONAL
Order number		0 601 210 0..	0 601 210 7..
Rated input power	[W]	500	600
Output power	[W]	300	360
No-load speed	[rpm]	27 000	12 000–27 000
Collet Ø, max.	[mm]	8	8
Spindle collar diameter-Ø	[mm]	43	43
Grinding tool Ø, max.	[mm]	25	25
Weight without cable, approx.	[kg]	1.3	1.4
Protection class		□ / II	□ / II

Please observe the order number of your machine. The trade names of the individual machines may vary.

Machine Elements

The numbering of the machine elements refers to the representation of the machine on the graphics page.

While reading the operating instructions, unfold the graphics page for the machine and leave it open.

- 1 Collet chuck
- 2 Clamping nut
- 3 Grinder spindle
- 4 Spindle collar
- 5 On/Off switch
- 6 Thumbwheel for speed preselection (GGG 27 C)
- 7 Auxiliary handle*
- 8 Locking pin*

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

Noise/Vibration Information

Measured values determined according to EN 50 144.

Typically the A-weighted sound pressure level of the product is 82 dB (A).

The noise level when working can exceed 85 dB (A).

Wear hearing protection!

The typically weighted acceleration is 3.5 m/s².



For Your Safety



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.

- Wear protective glasses and hearing protection.
- Wear additional protection equipment for your safety, such as protective gloves, sturdy shoes, hard hat and apron.
- The dust that is produced while working can be detrimental to health, inflammable or explosive. Suitable safety measures are required. Examples: Some dusts are regarded as carcinogenic. Use suitable dust/chip extraction and wear a dust respirator.
- Dust from light alloys can burn or explode. Always keep the workplace clean, as blends of materials are particularly dangerous.
- If the mains cable is damaged or cut through while working, do not touch the cable but immediately pull the mains plug. Never use the machine with a damaged cable.
- Always direct the cable to the rear away from the machine.
- 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.

- Use only grinding tools with a permissible speed at least as high as the no-load speed of the machine.
- Observe the manufacturer's instructions for mounting and using grinding tools.
- Check grinding tools before use. The grinding tool must be properly mounted and turn freely. Perform a test run for at least 30 seconds without load. Do not use damaged, out-of-round or vibrating grinding tools.
- Protect the grinding tool from impact, shock and grease.
- Keep hands away from rotating grinding tools.
- Do not clamp the machine in a vice.
- **Secure the workpiece.** A workpiece clamped with clamping devices or in a vice is held more secure than by hand.
- Do not work with materials containing asbestos.
- Apply the machine to the workpiece only when switched on.
- Pay attention to the direction of rotation. Always hold the machine so that sparks and grinding dust fly away from the body.
- When grinding metal, flying sparks are produced. Take care that no persons are endangered. Due to danger of fire, no combustible materials should be located in the vicinity (spark flight zone).
- Always switch the machine off and wait until it has come to a standstill before placing it down.
- Caution! The grinding tool runs on after the machine is switched off.
- Never allow children to use the machine.
- Bosch is only able to ensure perfect operation of the machine if the original accessories intended for it are used.

Intended Use

The machine is designed for grinding and deburring metal using corundum grinding tools. For machines with an electronic control: At reduced speed, brushes, flap wheels and grinding belts can also be used.

Mounting the Grinding Tools (Accessories – see figure B)

- **Before any work on the machine itself, pull the mains plug.**
- **Use only grinding tools with a permissible speed at least as high as the no-load speed of the machine.**

To put in or remove a grinding accessory, insert the holding rod **8** through the hole of the grinding spindle **3** and hold tight.

Loosen clamping nut **2** using an open-jawed spanner.

Insert the clamping shaft of the grinding tool to the stop into the collet chuck.

Tighten clamping nut **2**.

The grinding tools must run completely concentrically. Do not continue to use damaged grinding tools that are out of balance. If the grinding tools are out of balance they should be replaced. Treat with a whetstone or change. Using a whetstone any particular special shape can be produced out of the basic forms of the grinding disc.

Test run!

Check the grinding tool before use. The grinding tool must be properly mounted and rotate freely. Perform a test run of at least 30 seconds without load. Do not use damaged, out-of-round or vibrating grinding tools.

Initial Operation

Observe correct mains voltage: The voltage of the power source must agree with the voltage specified on the nameplate of the machine. Equipment marked with 230 V can also be connected to 220 V.

Switching On and Off

To **start** the machine, push the On/Off switch **5** forwards.

To **lock-on**, press the On/Off switch **5** down at the front until it engages.

To **switch off** the machine, release the On/Off switch **5** or press the rear tip of it down.

Speed Preselection (GG5 27 C)

Select the required speed with the thumb wheel **6** according to the Table (guideline).

Position	Rotational Speed (rpm)
1	12 000
2	16 000
3	21 000
4	24 000
5	26 000
6	27 000

The required speed is dependent on the material and can be determined by practical testing.

Constant electronic control holds the speed constant at no-load and under load, and ensures uniform working performance.

Operating Instructions

- Optimum grinding results are achieved when the grinding tool is moved uniformly back and forth with light pressure.
- Pressure that is too strong reduces the performance capability of the machine and causes the grinding tool to wear more quickly.
- Do not continue to use out-of-round grinding tools. Dress with a dressing stone (accessory) or replace.

Maintenance and Cleaning

- **Before any work on the machine itself, pull the mains plug.**

 For safe and proper working, always keep the machine and the ventilation slots clean.



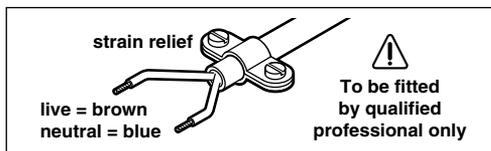
In extreme working conditions, conductive dust can accumulate in the interior of the machine when working with metal. The protective insulation of the machine can be degraded. The use of a stationary extraction system is recommended in such cases as well as frequently blowing out the ventilation slots and installing a residual current device (RCD).

If the machine should fail despite the care taken in manufacturing and testing procedures, repair should be carried out by an after-sales service centre for Bosch power tools.

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

WARNING! Important instructions for connecting a new 3-pin plug to the 2-wire cable.

The wires in the cable are coloured according to the following code:



Do **not** connect the blue or brown wire to the earth terminal of the plug.

Important: If for any reason the moulded plug is removed from the cable of this machine, it must be disposed of safely.