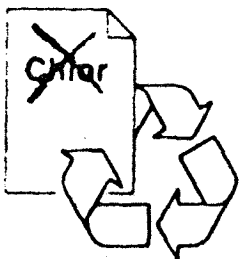


D.601.375.0 <sup>61</sup>/<sub>62</sub>

GWS 6-100 E

GWS 6-115

GWS 6-115 E

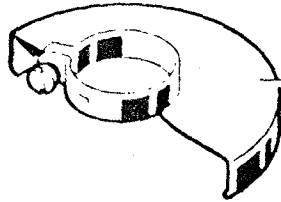


**BOSCH**



SDS-clic (M 14)

1 603 340 031

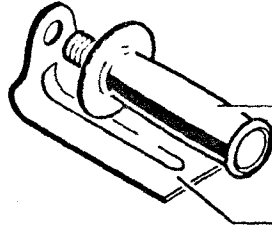


o 100 mm

2 605 510 155

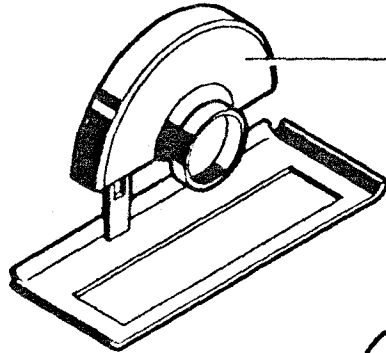
o 115 mm

2 605 510 156



1 602 025 024

1 601 329 013

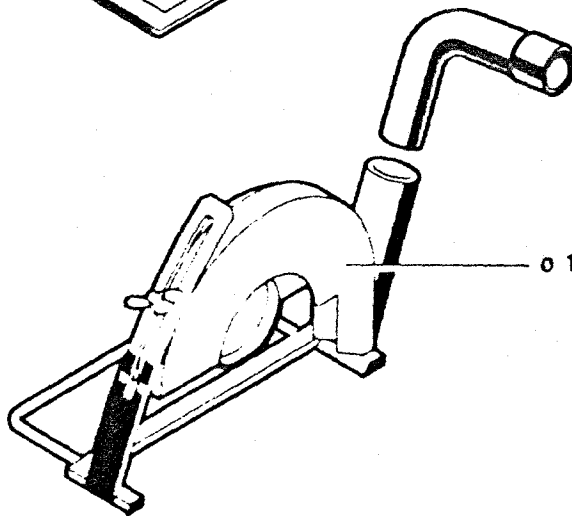


o 100 mm

1 607 000 171

o 115 mm

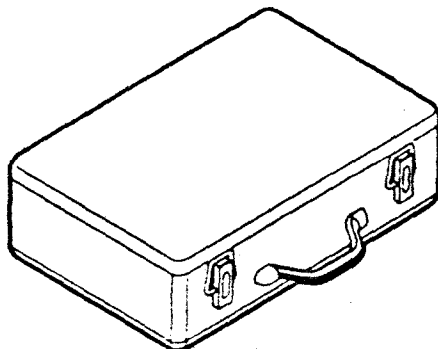
2 607 001 171



1 600 793 007

o 115 mm

2 605 510 066

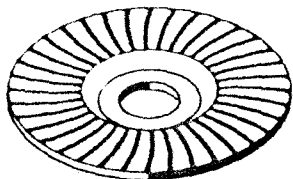


2 605 438 343

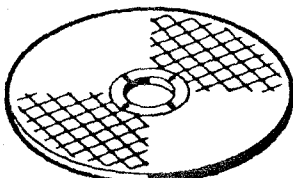
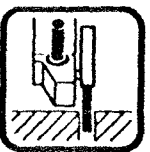


ø 100 mm 2 608 600 017  
 ø 115 mm 2 608 600 007

Korund, ø 115 mm (M 14)



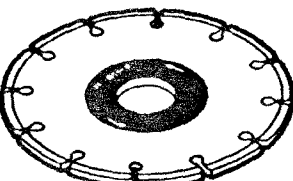
40 1x 2 608 601 011  
 60 1x 2 608 601 012  
 80 1x 2 608 601 013  
 40 10x 2 608 601 017  
 60 10x 2 608 601 018  
 80 10x 2 608 601 019



ø 100 mm 2 608 600 091  
 ø 115 mm 1 608 600 266



ø 100 mm 2 608 600 092  
 ø 115 mm 1 608 600 267



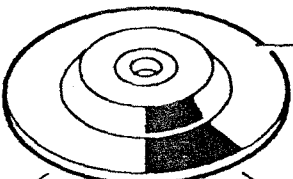
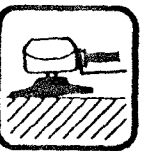
ø 100 mm 2 608 600 030  
 ø 115 mm 2 608 600 031



ø 115 mm 3 608 640 001

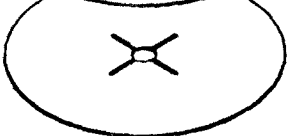


ø 100 mm 2 608 600 030  
 ø 115 mm 2 608 600 118



M10 ø 100 mm 2 608 601 046  
 M14 ø 115 mm 2 608 601 005

Korund, ø 100 mm



24 10x 2 608 604 168  
 36 10x 2 608 604 170  
 50 10x 2 608 604 172  
 60 10x 2 608 604 174  
 80 10x 2 608 604 176  
 100 10x 2 608 604 178  
 120 10x 2 608 604 180



M 10 2 603 340 011  
 M 14 2 603 345 002

Korund, ø 115 mm



24 10x 2 607 018 137  
 40 10x 2 607 018 138  
 60 10x 2 607 018 139



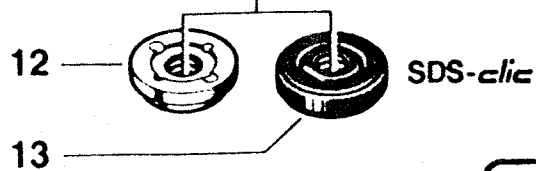
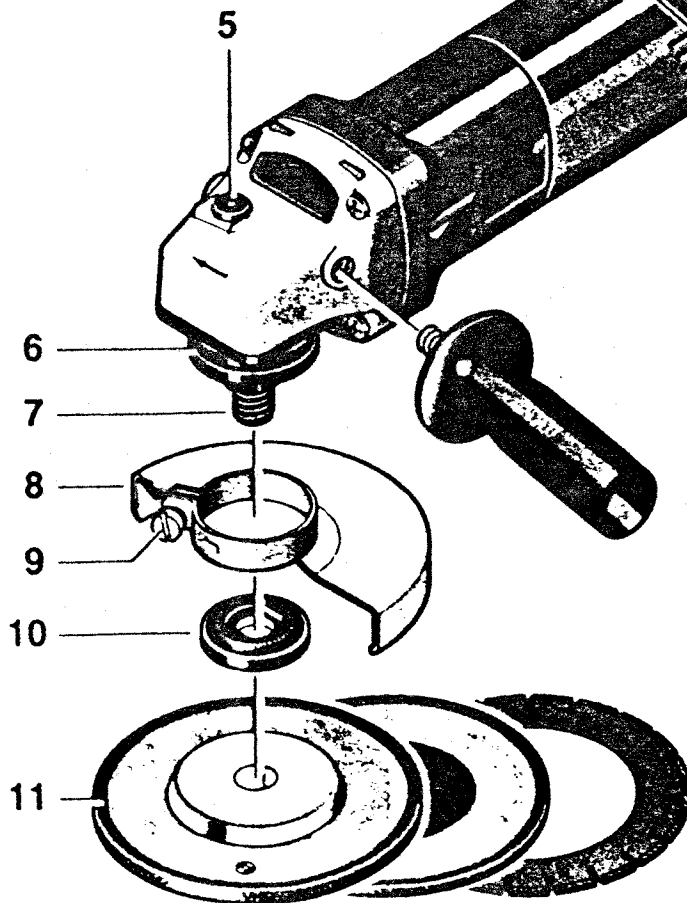
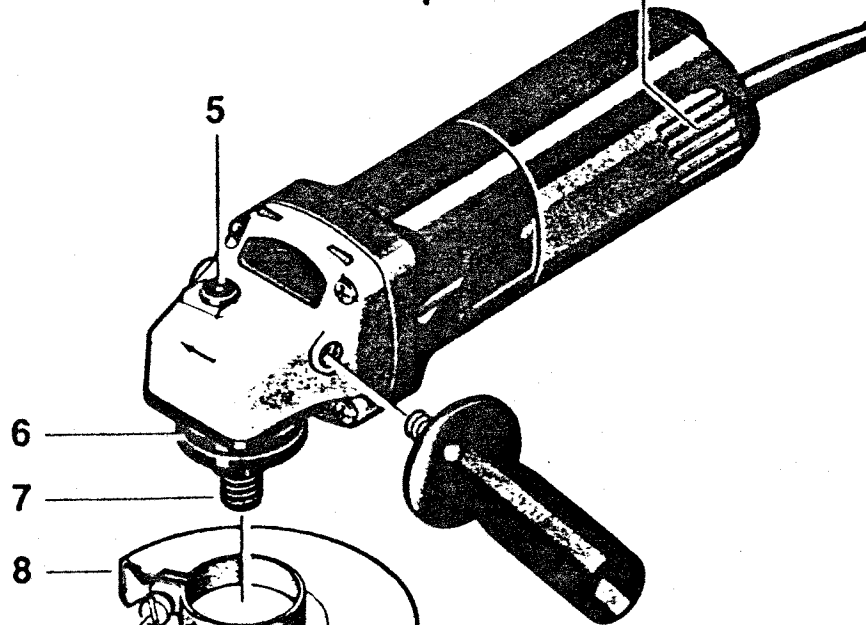
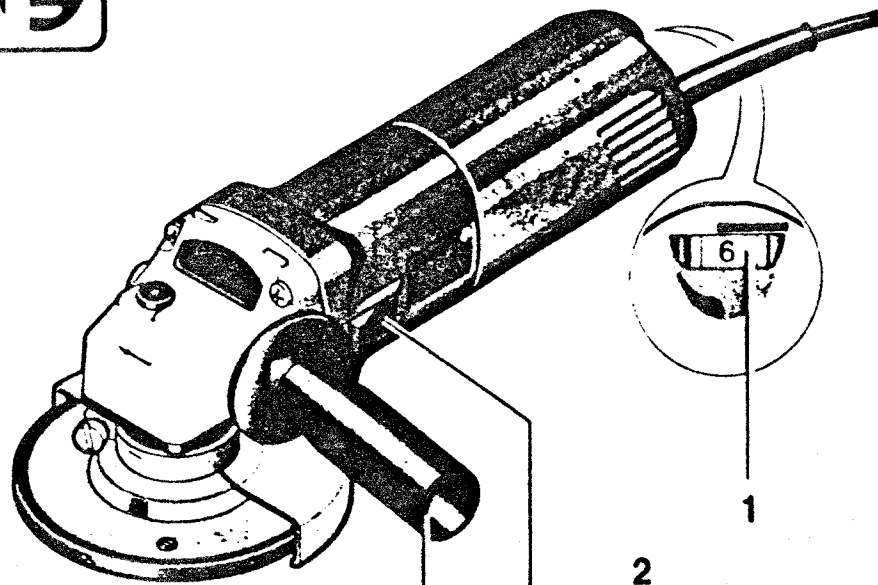
80 10x 2 607 018 140  
 100 10x 2 607 018 141  
 120 10x 2 607 018 142

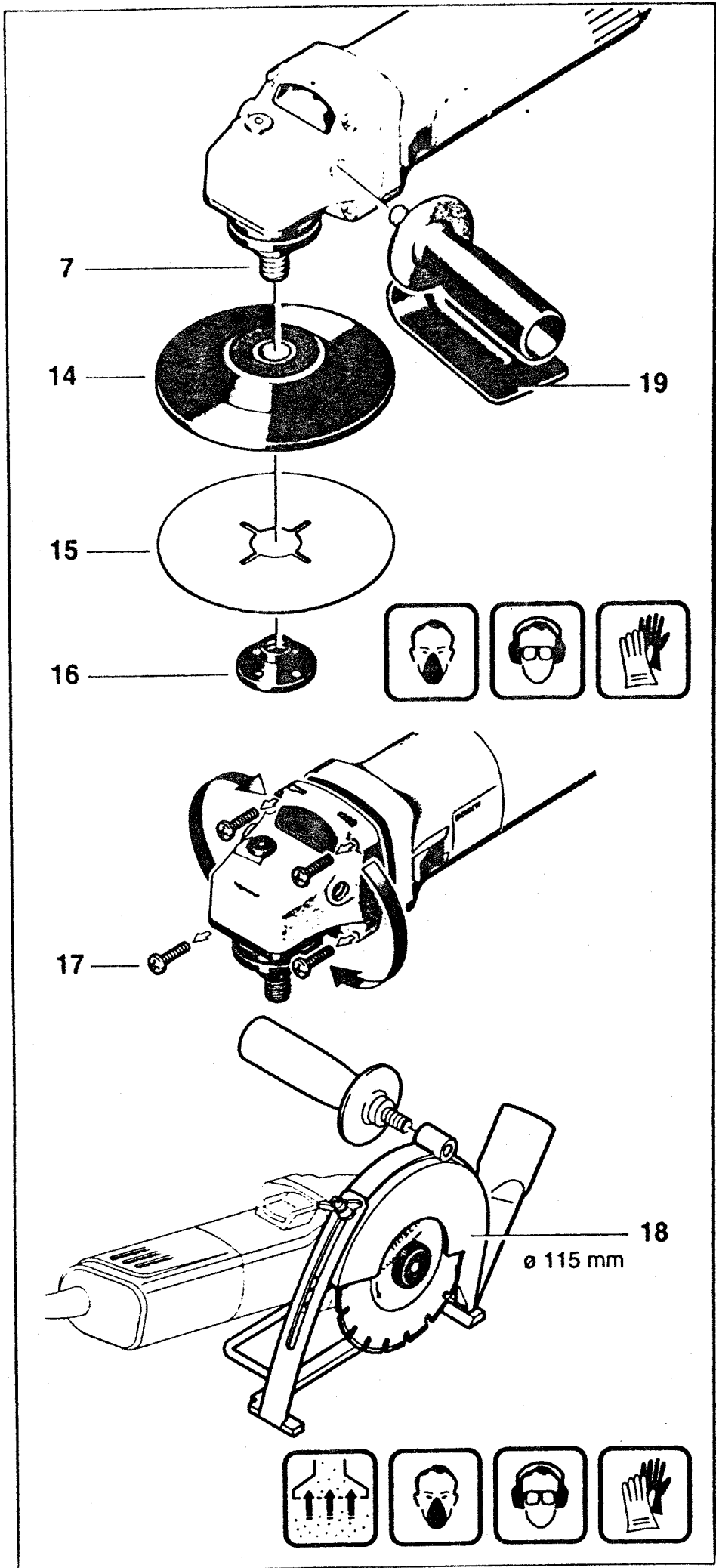


M 10 ø 70 mm 2 608 622 062  
 M 14 ø 70 mm 1 608 614 020



M 10 ø 75 mm 2 608 622 063  
 M 14 ø 75 mm 1 608 622 029





## Tool Specifications

GB

	GWS 6-100 / 6-115	GWS 6-100 E / 6-115 E
Angle Grinder		
Order number	0 601 375 0..	0 601 375 7..
Rated pressure	670 W	670 W
Output power	400 W	400 W
No-load speed	11000 min <sup>-1</sup>	2800 - 11000 min <sup>-1</sup>
Grinding disc dia.		
GWS 6-100/6-100 E	max. 100 mm	max. 100 mm
GWS 6-115/6-115 E	max. 115 mm	max. 115 mm
Spindle threads	M 14 <b>GB</b> M 10	M 14 <b>GB</b> M 10
Speed preselection	—	•
Weight (without accessories)	approx. 1,4 kg	approx. 1,4 kg
Protection class	□ / II	□ / II

## Noise/vibration information

Measured values determined according to EN 50 144.

Typically the A-weighted noise levels of the tool are:  
Sound pressure level: 86 dB (A). Sound power level: 99 dB (A).

Wear ear protection!

The typical weighted acceleration is 3.5 m/s<sup>2</sup>.

## Operating controls

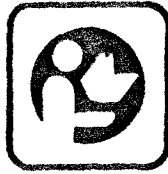
- 1 Speed preselection (Type E)
- 2 Ventilation slits
- 3 On-Off switch
- 4 Auxiliary grip
- 5 Spindle locking button
- 6 Spindle collar
- 7 Grinder spindle
- 8 Guard
- 9 Screw
- 10 Mounting flange
- 11 Grinding/cutting disc\*
- 12 Clamping nut
- 13 Quick clamping nut\* *SDS-clie* (only for M 14 spindle)
- 14 Rubber backing plate\*
- 15 Sanding disc\*
- 16 Round nut\*
- 17 Screws (4x)
- 18 Guard with cutting guide\*
- 19 Hand protector\*

\*) Accessory

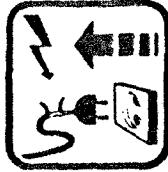
Not all of the accessories illustrated or described are included as standard delivery.



## For your safety



Safe operation of this machine is possible only when the operating instructions and the safety precautions are read completely and the instructions contained therein are strictly observed. For additional safety instructions, see the enclosed booklet. Before operating the machine, ask for a practical demonstration.



If the power cable is damaged or cut through while working, do not touch the cable but pull the mains plug immediately.



Wear protective goggles, ear protectors and face mask. Wear protective gloves and sturdy footwear.

Always hold the machine with both hands when working and provide for secure footing.

- For all work with the machine, the auxiliary grip **4** must be mounted.
- When working with a roughing or cutting disc, the guard **8** must be mounted. When working with the rubber backing plate or with the cup/disc brush, the hand protector **19** (accessory) should be mounted.
- Use only grinding tools whose allowable speeds are at least as high as the highest no-load speed of the machine.
- The hole diameter of the grinding/cutting disc must fit the mounting flange. Do not use reducer piece or adapter. Before switching on, check if the grinding disc is properly mounted and can turn freely.
- For the mounting and use of the grinding tool, observe the instructions of the manufacturer.
- Test run new grinding tools for at least on minute.
- The machine can be used only for dry grinding and cutting.
- When cutting masonry, use the depth guide, guard and dust vacuuming. The vacuum cleaner must be suitable for masonry dust.
- Do not work with material containing asbestos.
- Do not clamp the machine in a vice.
- Always direct power cable to rear away from machine.
- Apply the machine to the material to be worked only after it has been switched on.
- Protect the grinding wheels from shock, impacts and grease.
- Damaged, out of balance or vibrating grinding wheels must not be used.
- Keep hands away from rotating grinding wheels.
- Be careful of electric, gas and water lines that are hidden in walls.
- When grinding metal, sparks are generated. Pay attention that no persons are endangered. Because of the danger of fire, no combustible material must be present in the area of flying sparks.
- Pay attention to the direction of rotation. Always hold the machine such that sparks and grinding dust fly away from the body.
- Caution! The grinding tool runs on after the machine has been switched off.
- Do not stop the grinding tool by applying pressure.
- Bosch can ensure the flawless functioning of the machine only when original accessories are used.



## Mounting of Protection Devices

- Always disconnect the plug from the power socket before carrying out any work on the appliance.

### Guard

When working with a roughing or cutting disc, the guard must be mounted.

Place the guard 8 on the spindle collar 6. Adjust the position of the guard 9 to the requirements of the work process. Clamp with screw 9.

The closed side of the guard 8 must always point towards the operator.

### Auxiliary Handle

For all work with the machine, the auxiliary grip must be mounted.

Screw the auxiliary handle 4 to the right or the left of the machine head depending on the work method.

### Hand Protector (Accessory)

When working with the rubber backing plate or with the cup/disc brush, the hand protector 19 (accessory) should be mounted. The hand protector is attached with the auxiliary handle 4.

## Mounting the Grinding Tools (Accessories)

- Always disconnect the plug from the power socket before carrying out any work on the appliance.



Use only grinding tools whose allowable speeds are at least as high as the highest no-load speed of the machine.

Lock the grinder spindle 7 by pressing the spindle locking button 5.

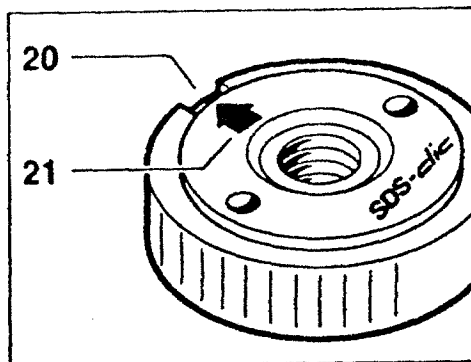
Press the spindle locking button 5 only when the grinder spindle is at a standstill.

### Grinding / Cutting Disc

Place the mounting flange 10 and grinding/cutting disc on the spindle 7. Place the mounting flange 10 on the spindle 7 so that the side with the groove rests on the spindle flange (force engagement).

Screw on the clamping flange 12 and tighten with the two-hole spanner.

Before switching on, check if the grinding disc is properly mounted and can turn freely.



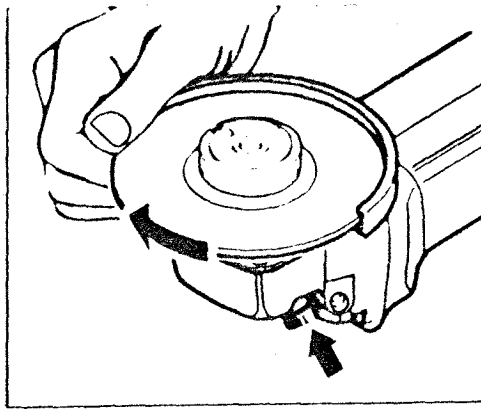
#### Only for M 14 Grinding Spindle

Instead of the clamping flange 12, the quick clamping flange 13 (accessory) can be used. Grinding discs can be mounted without the use of tools.

The quick clamping flange can be used only for grinding and cutting discs.

When mounting, take care that:

The inscription is on the outside and the arrow 21 points to the index mark 20 (Fig.).



Tighten the quick clamping flange by firmly rotating the grinding disc in the clockwise direction.

A correctly tightened and undamaged quick clamping flange can be loosened by turning the knurled ring in the counter clockwise direction by hand.

Never loosen a stuck quick front flange with pliers, always use the correct face spanner.

### **Fan Grinding Plate (only for M 14 spindle)**

Remove the guard 8 and attach the hand protector 19. Place the fan grinding plate on the backing flange 10 of the grinder spindle 7 and fasten with the clamping flange 12.

### **Rubber Backing Plate**

Remove the guard 8 and attach the hand protector 19. Place the rubber backing plate 14 with the grinding disc on the grinder spindle 7. Screw on the round nut 16 and tighten with the two-hole spanner.

### **Cup Brush / Disc Brush**

Remove the guard 8 and mount the hand protector 19. Screw the cup brush/disc brush onto the grinder spindle 7 and tighten with an open-ended spanner.

The grinding tool must be screwed so far onto the spindle 7 that it rests firmly against the spindle flange at the end of the spindle threads.

## **Initial operation**

**Always use the correct supply voltage:** The voltage specifications on the rating plate must correspond with the mains voltage. Equipment marked with 230 V can also be connected to 220 V.

**Switching on:** Slide the On-Off switch 3 forward.

**Switching off:** Release the On-Off switch 3.

**Locking:** Slide the On-Off switch 3 farther forward and press the front end down to lock.

**Switching off:** Press the rear of the On-Off switch 3; the switch springs back to the off position.

### **Switch configuration without locking (specific countries):**

**Switching on:** Slide the On-Off switch 3 forward.

**Switching off:** Release the On-Off switch 3.

### **Test run**

Test run new grinding tools at the highest no-load speed for at least one minute. Damaged, out of balance or vibrating grinding discs must not be used.

## Speed Preselection (Type E)

Preselect the required speed with the speed control 1 according to the suggested values in the table.

Material	Application	Tool	Control
Plastic	Polishing	Lamb's wool bonnet	1
	Finish grinding	Felt polishing disc	1
Metal	Finish grinding	Buffing disc	1
	Paint removal	Grinding disc	2 - 3
Wood, Metal	Brushing, rust removal	Cup brush, grinding disc	3
Metal, masonry	Grinding	Grinding disc	4 - 6
Metal	Rough grinding	Grinding disc	6
Masonry*	Cutting*	Cutting disc and cutting guide	6

\*) Cutting of masonry is recommended only with the cutting guide (accessory).

## Operating Instructions

- Clamp the workpiece securely in case it does not remain in position from its own weight.

Do not overload equipment so that it comes to a standstill.



### Grinding

The best results are achieved with an angle of 15° to 40° for grinding. Move the machine back and forth with light pressure. In this manner, the workpiece does not become too hot, no discoloration occurs and no ridges are produced.

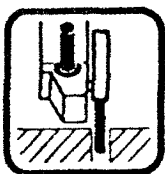


Under no circumstances should a cutting disk be used for roughing work.

### Fan Grinding Plate

With the fan grinding plate (accessory), curved surfaces and profiles can also be worked (contour grinding).

Fan grinding discs have a much longer service life, lower noise level and lower grinding temperature than grinding discs.

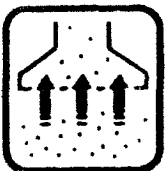


### Cutting

For cutting, work with moderate advancing and **do not tilt** the machine or the cutting disk. The best method for cutting profiles and square tubes is to start with the smallest cross section.

### Cutting of Masonry

The machine can be used only for dry grinding and cutting.



To protect against tilting, the cutting guide with special guard (accessory) should be used. It is best to use a diamond cutting disk.

Work only with dust vacuuming and wear a dust protection mask. The vacuum cleaner must be suitable for vacuuming masonry dust.



Switch on the machine and apply the front part of the cutting guide to the workpiece. Work with uniform feeding and moderate pressure.

## Rotating the Machine Head

- Always disconnect the plug from the power socket before carrying out any work on the appliance.

The machine head can be turned on the motor housing in 90 degree steps. In this manner, the on-off switch 3 can be brought into a favourable handling position for special working situations, e. g., for cutting work with the cutting guide/cutting stand (accessories) and also for left handed persons.

Unscrew the four screws 17.

Rotate the head to the new position without removing from the housing.

Screw in the screws again and tighten.

## Maintenance and Cleaning

- Always disconnect the plug from the power socket before carrying out any work on the appliance.



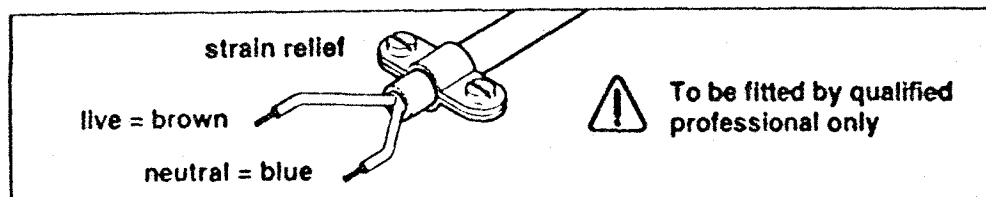
Always keep the machine and the ventilation slots clean for proper and safe working.

If the machine should happen to fail despite the care taken in manufacture and testing, repair should be carried out by an authorised customer services agent for Bosch power tools.

For all correspondence and spare parts orders, always include the 10 digit order number 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 plug is cut off of the cable of this machine, it must be disposed of safely and not left unattended.

## Environmental protection



**Recycling raw materials instead of waste disposal.**

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

These instructions are printed on recycled paper manufactured without chlorine.

The plastic components are labelled for categorized recycling.

## Guarantee

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

☎ Service .....(08 95) 83 86 81  
☎ Advice line .....(08 95) 83 84 02  
FAX .....(08 95) 83 87 89

### Ireland

Beaver Distribution Ltd.  
Greenhills Road  
IRL-Tallaght-Dublin 24

☎ Service .....(01) 45 15 211  
FAX .....(01) 45 17 127

## CE Declaration of conformity

We declare under our sole responsibility that this product is in conformity with the following standards or standardization documents: EN 50 144, EN 55 014, EN 60 555, HD 400 according to the provisions of the regulations 73/23/EEC, 89/336/EEC (as of 1/96), 89/392/EEC.

CE 95

Dr. Eckerhard Strötgen

Dr. Alfred Odendahl

Robert Bosch GmbH, Geschäftsbereich Elektrowerkzeuge

