

GWS 7 - 115

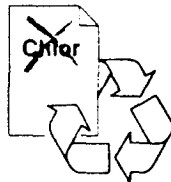
GWS 7 - 125 (F)

GWS 9 - 125

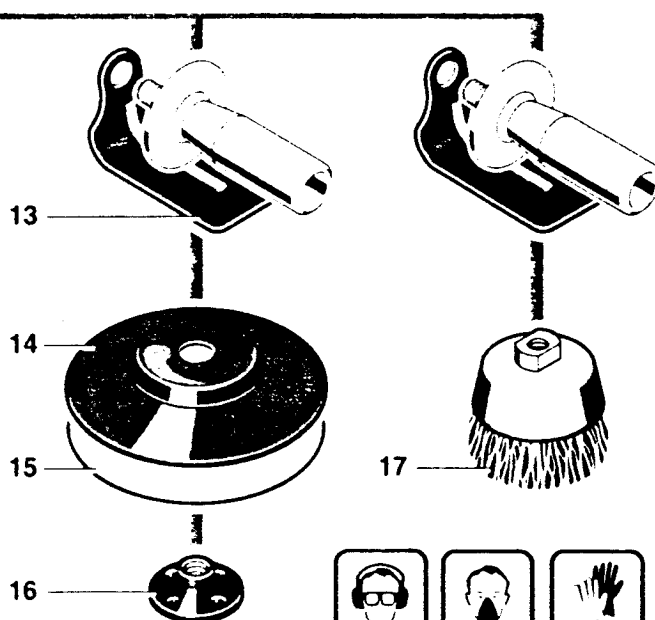
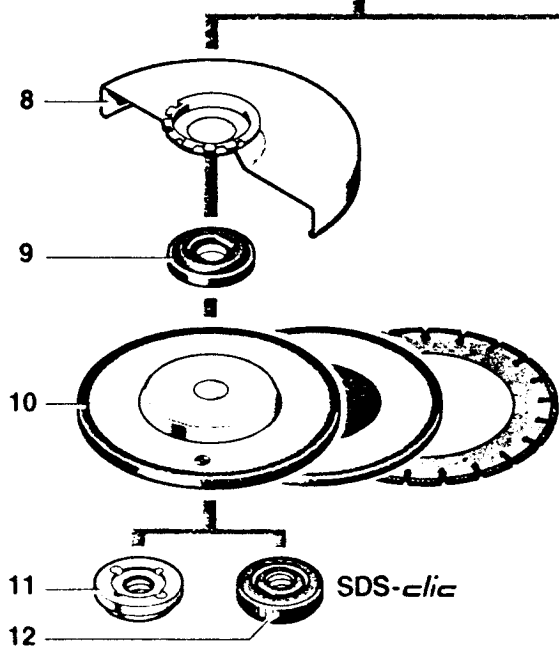
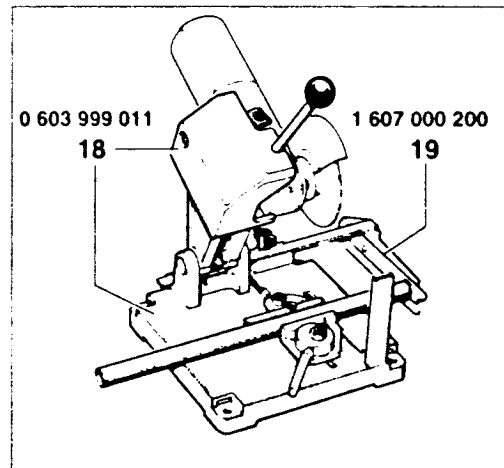
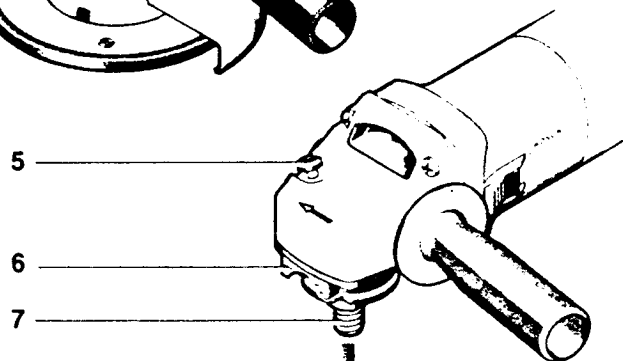
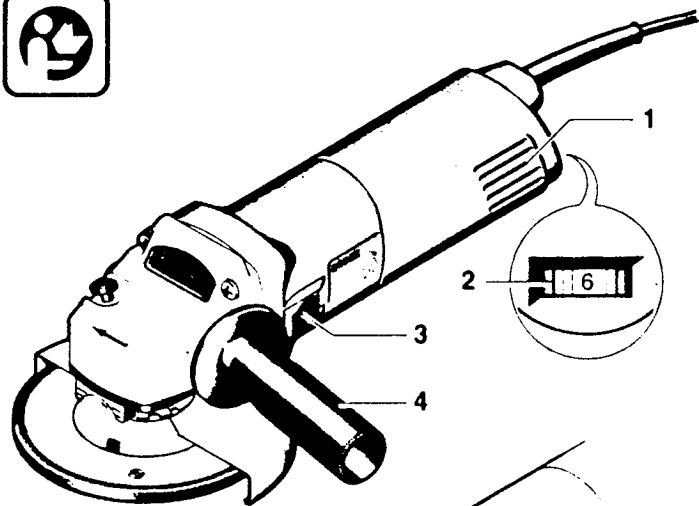
GWS 10 - 125 C

GWS 10 - 125 CE

(GB)



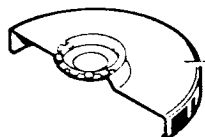
**BOSCH**





SDS-plus

1 603 340 031

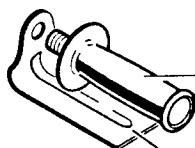


ø 115 mm

2 605 510 102

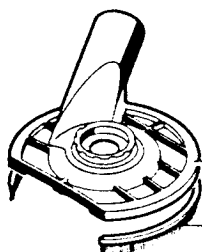
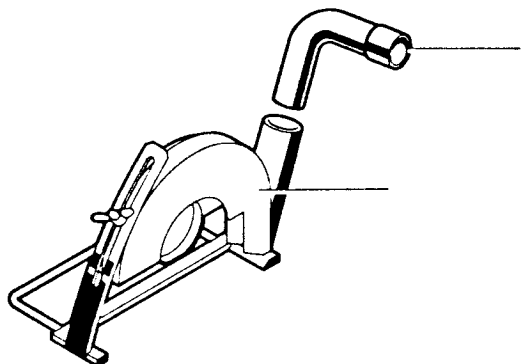
ø 125 mm

2 605 510 101



1 602 025 024

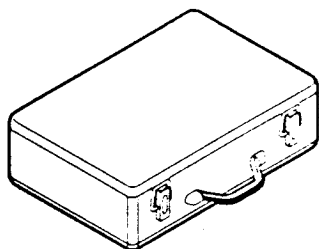
1 601 329 013



ø 115/125 mm

2 605 510 107

2 x 2 605 730 036



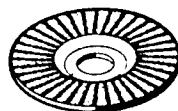
1 605 438 089



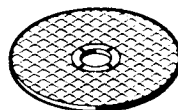
ø 115 x 4.0 mm	2 608 600 007
ø 115 x 6.0 mm	2 608 600 003
ø 125 x 6.0 mm	1 608 600 222



Korund, ø 115 mm



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



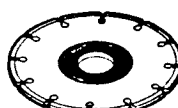
ø 115 x 3.0 mm	1 608 600 266
ø 125 x 2.0 mm	2 608 600 094
ø 125 x 3.0 mm	1 608 600 268

ø 115 x 3.0 mm	2 608 600 005
ø 125 x 3.0 mm	2 608 600 012



ø 115 x 3.0 mm	1 608 600 267
ø 125 x 3.0 mm	1 608 600 269

ø 115 x 3.0 mm	2 608 600 004
ø 125 x 3.0 mm	2 608 600 013



ø 115 x 2.0 mm	3 608 640 001
ø 125 x 2.0 mm	2 608 600 066



ø 115 x 2.0 mm	2 608 600 031
ø 125 x 2.0 mm	2 608 600 032



ø 115 x 2.0 mm	2 608 600 118
ø 125 x 2.0 mm	2 608 600 120



ø 115 mm	2 608 601 005
ø 125 mm	1 608 601 033



Korund, ø 115 mm

30	5x	1 609 200 187
60	5x	1 609 200 188
120	5x	1 609 200 189
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

Korund, ø 125 mm

30	5x	2 608 604 138
60	5x	2 608 604 139
120	5x	2 608 604 140
24	10x	2 607 018 143
40	10x	2 607 018 144
60	10x	2 607 018 145
80	10x	2 607 018 146
100	10x	2 607 018 147
120	10x	2 607 018 148

2 603 345 002



ø 70 mm 1 608 622 020



ø 75 mm 1 608 622 029



ø 100 mm	2 608 622 011
ø 115 mm	2 608 622 059

## Tool Specifications



<b>Angle Grinder</b>	<b>GWS 7-115</b>	<b>GWS 9-125</b>
Order number	0 601 700 0..	0 601 701 0..
Power consumption	750 W	900 W
Output power	450 W	520 W
No-load speed	11 000 RPM	11 000 RPM
Grinding disc dia.	115 mm max.	125 mm max.
Spindle threads	M 14	M 14
Starting current limiter	-	-
Constant speed electronics	-	-
Speed preselection	-	-
Weight (without accessories)	Approx. 1.55 kg	Approx. 1.60 kg
Protection class	□ / II	□ / II
<b>Angle Grinder</b>	<b>GWS 10-125 C</b>	<b>GWS 10-125 CE<sup>1</sup></b>
Order number	0 601 702 7..	0 601 703 7..
Power consumption	1 020 W	1 020 W
Output power	600 W	600 W
No-load speed	11 000 / 11 500* RPM	2 800 RPM to 11 000 / 11 500* RPM
Grinding disc dia.	125 mm max.	125 mm max.
Spindle threads	M 14	M 14
Starting current limiter	•	•
Constant speed electronics	•	•
Speed preselection	-	•
Weight (without accessories)	Approx. 1.60 kg	Approx. 1.60 kg
Protection class	□ / II	□ / II

\*only for GB

## Noise/Vibration Information

Measured values determined according to EN 50 144.

Typically the A-weighted noise levels of the tool are:

Sound pressure level: 88 dB (A). Sound power level: 101 dB (A).

**Wear ear protection!**

The typical weighted acceleration is 5.0 m/s<sup>2</sup>.

## Operating Controls

- |                                 |   |
|---------------------------------|---|
| 1 Ventilation slits             | 10 Grinding/cutting disc*                 |
| 2 Speed preselection (Type CE)  | 11 Clamping nut                           |
| 3 On-Off switch                 | 12 Quick clamping flange* <i>SDS-plus</i> |
| 4 Auxiliary grip                | 13 Hand protector*                        |
| 5 Spindle locking button        | 14 Rubber backing plate*                  |
| 6 Quick release lever for guard | 15 Sanding disc*                          |
| 7 Grinder spindle               | 16 Round nut*                             |
| 8 Guard                         | 17 Wire cup brush*                        |
| 9 Mounting flange with O-ring   | 18 Cutting stand*                         |
| *) Accessory                    | 19 Length stop*                           |

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



## 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 instructions in the enclosed booklet must be followed. Before using for the first time, ask for a practical demonstration.



If the 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.



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 13 (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 centre hole of the grinding/cutting disc must fit the centring shoulder of the mounting flange 9 without play. 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 at the highest no-load speed for at least 30 seconds.
- Damaged, out of balance or vibrating grinding wheels must not be used.
- Protect the grinding wheels from shock, impacts and grease.
- 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.
- Keep hands away from rotating grinding wheels.
- Be careful of hidden electrical lines or gas and water pipes. Check the working area, e.g., with a metal detector.
- 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.
- Cutting discs that are running on should not be braked to a stop with side pressure.
- Bosch can ensure the flawless functioning of the machine only when original accessories are used.

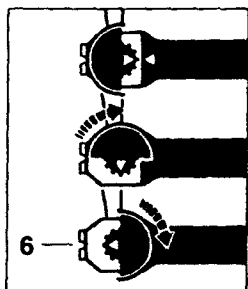


## Mounting of Protection Devices

- 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 8 must be mounted.



Place the guard 8 on the spindle collar. The triangle markings on the guard and the machine must be opposite to each other.

Press the guard against the spring force onto the spindle collar and turn until it latches.

Adjust the position of the guard 8 to the requirements of the work process. Press the quick-release lever 6 and rotate the guard to the required position / indent.

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

**Note:** Coded notches on the guard 8 ensure that only a guard that fits the machine type can be mounted.

### Auxiliary Handle

For all work with the machine, the auxiliary grip 4 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 13 (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 (See the section "Allowable Grinding Tools").

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

The centre hole of the grinding/cutting disc must fit the centring shoulder of the mounting flange 9 without play. Do not use reducer piece or adapter.

For assembly, see the illustration page.

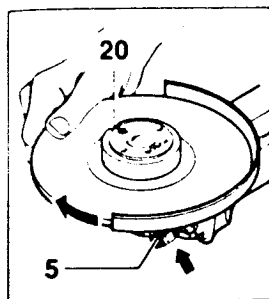
Screw on the clamping flange 11 and tighten with the two-hole spanner.



An O-ring (plastic part) is located around the centring shoulder of the mounting flange 9.

If this O-ring is missing or damaged, it must be replaced in all cases before the mounting flange 9 is attached (Order No. 1 600 210 034).

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



Instead of the clamping flange 11, the quick clamping flange 12 (accessory) can be used. Grinding discs can be mounted without the use of tools.

The quick clamping flange 12 can be used only for grinding and cutting discs.

Take care when screwing on that the labelled side does not point to the grinding disc; the arrow must point to the index mark 20.

Lock the grinder spindle (with the spindle locking button 5) and tighten the quick clamping flange by firmly turning 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

Remove the guard 8 and attach the hand protector 13. Place the special mounting flange 9 (accessory) and the fan grinding disc on the grinder spindle 7. Screw on the clamping flange 11 and tighten with the two-hole spanner.

### Rubber Backing Plate

Remove the guard 8 and attach the hand protector 13.

For assembly, see the illustration page.

Screw on the round nut 16 and tighten with the two-hole spanner.

### Cup Brush 17/Disc Brush

Remove the guard 8 and mount the hand protector 13.

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. Tighten with an open-ended spanner.

## Initial 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.

**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 30 seconds. **Damaged, out of balance or vibrating grinding discs must not be used.**

**Starting Current Limiting (Type C/CE)**

As a result of gradual starting, a 16 A fuse in the power mains is adequate.

**Constant Speed Electronics (Type C/CE)**

The constant speed electronics hold the rotational speed between no-load and working load nearly constant and makes uniform working with the machine possible.

**Overload Protection**

When overloaded, the motor comes to a standstill. Remove load from the machine immediately and allow to cool with no load and highest speed for approx. 30 seconds.

**Speed Preselection (Type CE)**

Preselect the required speed with the speed control 2 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
	Grinding	Grinding disc	4 - 6
Metal, masonry	Rough grinding	Grinding disc	6
Masonry*	Cutting*	Cutting disc and cutting guide	6

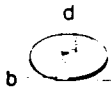
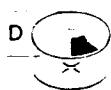
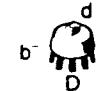
\*) Cutting of masonry is recommended only with the cutting guide (accessory).

**Allowable Grinding Tools**

Grinding tools that are listed in these operating instructions can be used

The grinding tools (grinding and cutting discs of artificial resin bonded, fibre laminated material) must be qualified for the following minimum rotations per minute/maximum circumferential speed.

Always observe the allowable rotational/circumferential speed on the label of the grinding tools!

	max. [mm]			RPM	m/sec
	D	b	d		
	115	6	22	11 000	80
	125	6	22	11 000	80
	125	-	-	11 000	80
	75	30	M14	11 000	45



## Operating Instructions

- Clamp the workpiece in case it does not remain stationary by 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 discs that are running on should not be braked to a stop with side pressure.

### Cutting Stand

With the cutting stand 18 (accessory), material can be cut in equal lengths at an angle of 0 to 45°.

### Cutting of Masonry

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



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

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

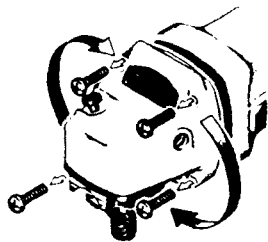


Suitable vacuum cleaners are available from Bosch.

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 can be brought into a favourable handling position for special working situations, e. g., for cutting work with the cutting guide/cutting stand 18 (accessories) and also for left handed persons.

Unscrew the four screws.

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.



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 the frequent blowing out of the ventilation slots and the installation of a residual current circuit breaker.

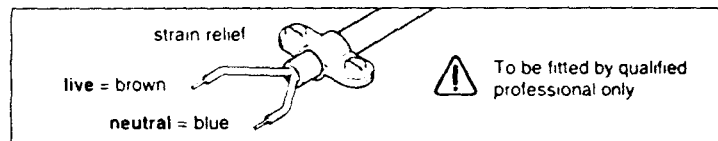
If the machine should happen to fail despite the care taken in manufacture and testing, repair should be carried out by an authorised customer services agent for Bosch power tools.

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



### Recycle raw materials instead of disposing as waste

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, 89/392/EEC.

CE 94	Dr. Alfred Odendahl	Dr. Eckerhard Strötgen
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*Alfred Odendahl*      *E. Strötgen*

Robert Bosch GmbH, Geschäftsbereich Elektrowerkzeuge

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Subject to change