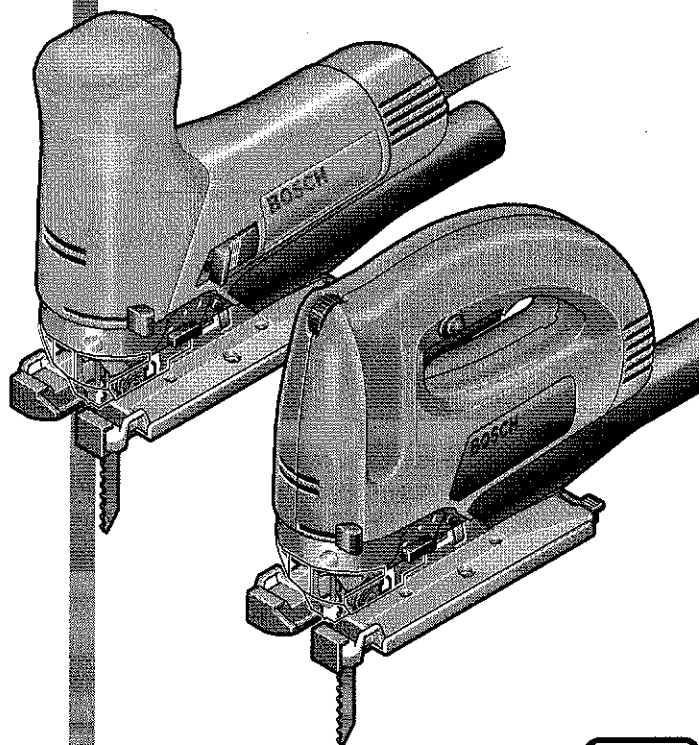


Bedienungsanleitung
Operating Instructions
Instructions d'emploi
Instrucciones de servicio
Manual de instruções
Istruzioni d'uso
Gebruiksaanwijzing
Betjeningsvejledning
Bruksanvisning
Brukerveiledningen
Käyttöohje
Οδηγία χειρισμού
Yönetmelik

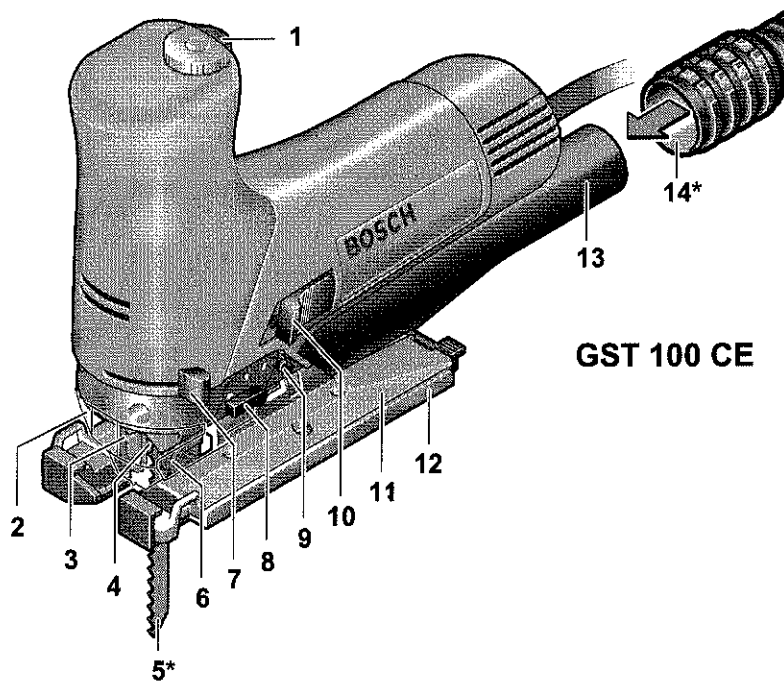
BOSCH

GST 100
GST 100 CE
GST 100 B
GST 100 BCE

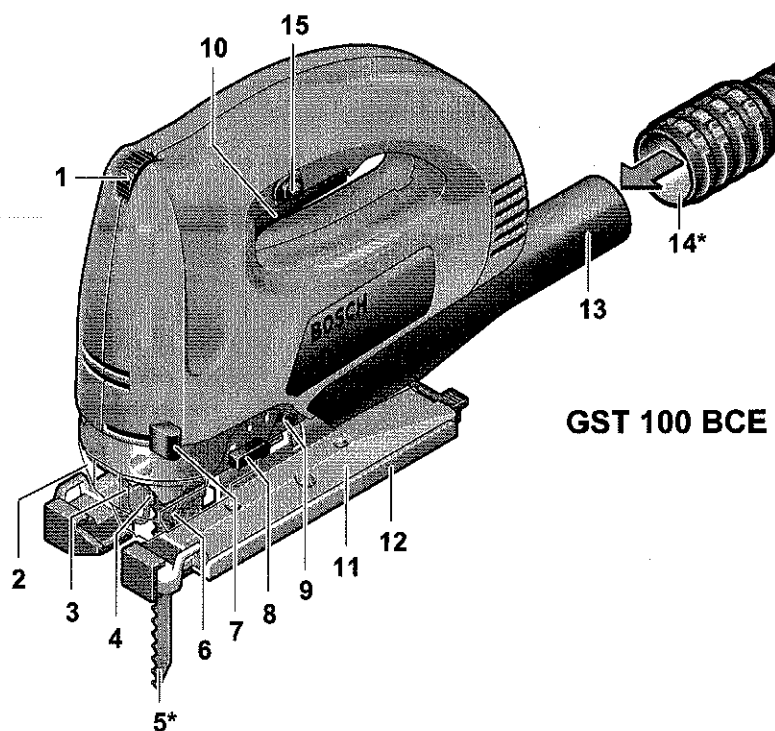


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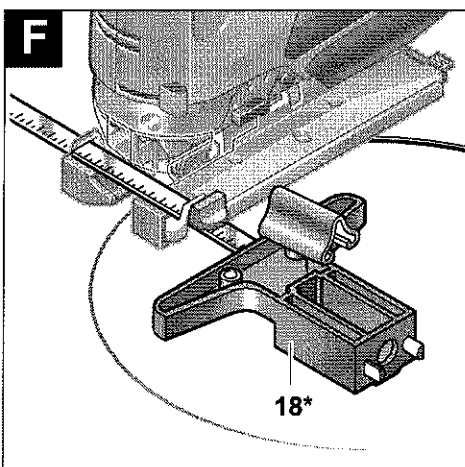
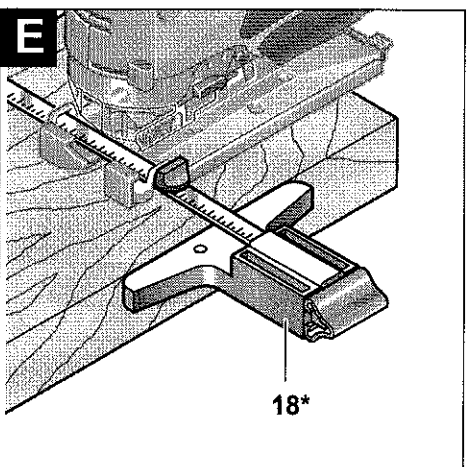
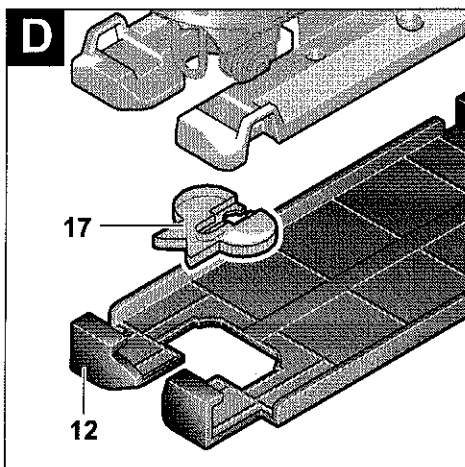
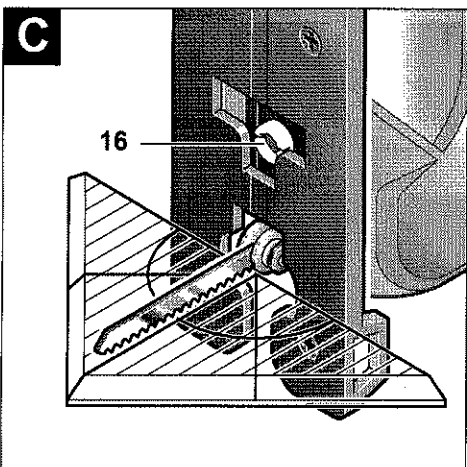
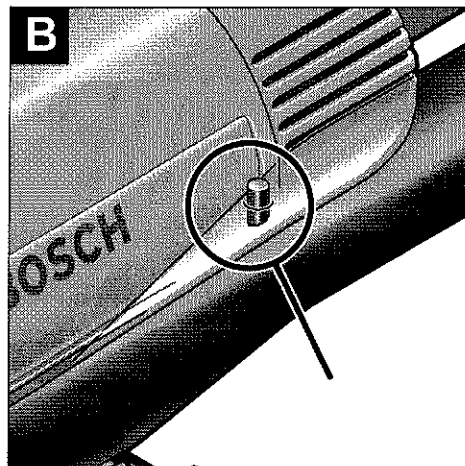
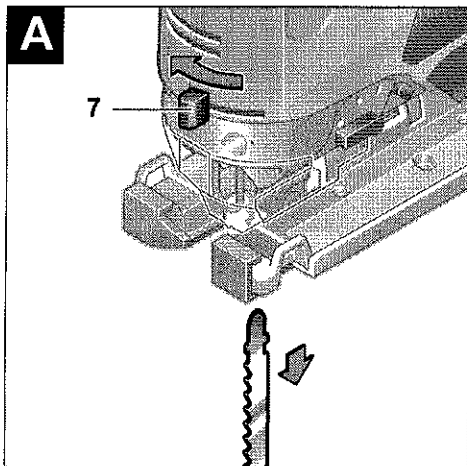




GST 100 CE



GST 100 BCE



Tool Specifications

Jigsaw		GST 100	GST 100 CE	GST 100 B	GST 100 BCE
Part number		0 601 588 1..	0 601 588 6..	0 601 589 1..	0 601 589 6..
Rated power	[W]	600	650	600	650
Output power	[W]	370	400	370	400
Stroke rate at no load	[spm]	3100	500–3000	3100	500–3000
Stroke	[mm]	26	26	26	26
Stroke rate selection/ Constant electronics		–	•	–	•
Cutting performance:					
- in wood (max.)	[mm]	110	110	110	110
- in aluminium (max.)	[mm]	20	20	20	20
- in non-alloyed steel (max.)	[mm]	10	10	10	10
Bevel cuts (left/right)	[°]	0–45	0–45	0–45	0–45
Weight (without optional extras) approx.	[kg]	2.3	2.3	2.3	2.3
Safety class		□ / II	□ / II	□ / II	□ / II

Machine Elements

- 1 Stroke rate selection thumbwheel (GST 100 CE/BCE)
- 2 Dust cover for vacuuming
- 3 Contact protector
- 4 Stroke rod
- 5 Saw blade*
- 6 Guide roller
- 7 SDS lever for saw blade release
- 8 Lever for pendulum stroke adjustment
- 9 Switch for sawdust blower
- 10 On/Off switch
- 11 Base plate
- 12 Glide shoe for base plate
- 13 Vacuuming connector piece
- 14 Vacuum hose*
- 15 Locking button (GST 100 B/BCE)
- 16 Screw
- 17 Splintering protector
- 18 Circle cutter / Parallel guide*

* Accessory

* 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 notes in the enclosed booklet must be observed. Before using for the first time, ask for a practical demonstration.



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.



Wear safety goggles.



When working, never place a hand or fingers in front of the saw blade.

■ Do not work with materials containing asbestos.

■ Connect machines that are used in the open via a residual current device (RCD) with an actuating current of 30 mA maximum. Use only extension cables that are approved for outdoor use.

- Insert the mains plug only when the machine is switched off.
- Always direct the cable to the rear away from the machine.
- Apply the machine to the workpiece only when switched on.
- The cutting path must be free of obstacles both above and below.
- When sawing, the complete surface of the base plate **11** should securely rest on the material. For the working of smaller or thin workpieces, use a stable foundation or a saw table (accessory).
- When the cut is completed, switch off the machine and then pull the saw blade out of the cut only after it has come to a standstill (danger of kick-back).
- Always switch off the machine and allow to come to a stop before placing it down.
- Do not brake the saw blade to a stop by applying side pressure after switching off.
- Use only sharp, flawless saw blades. Change any cracked, bent or dull saw blades immediately.
- Never allow children to use the machine.
- Bosch is only able to ensure perfect functioning of the machine if the original accessories intended for it are used.

Intended Use

The machine is intended for making separating cuts and cut-outs in wood, plastic, metal, ceramic plates and rubber while resting firmly on the workpiece. It is suitable for straight and curved cuts with mitre angles to 45°. The saw blade recommendations are to be observed.

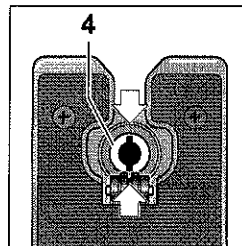
Inserting/Replacing the Saw Blade

- **Before any work on the machine itself, pull the plug from the socket!**



When inserting and changing the saw blade **5** we recommend wearing protective gloves.

Insert the saw blade (teeth in cutting direction) until it latches in the stroke rod. When inserting the saw blade, take care that the back of the saw blade rests in the groove of the guide roller **6**.



Note: If the saw blade cannot be inserted into the stroke rod **4** because the slots of the saw blade holder are not in the position as shown, push the SDS lever briefly to the front and release.

To change the saw blade, push the SDS lever **7** to the front to the stop; this releases the saw blade and it is ejected (see Fig. **A**).



When changing the saw blade, the machine should be held so that no persons or animals can be injured by the ejection of the saw blade.

Initial Operation

Check for 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/Off

GST 100 B/BCE:

Brief activation

Switching on: Press ON-OFF switch **10**.

Switching off: Release ON-OFF switch **10**.

Continuous use

Switching on: Press ON-OFF switch **10** and retain with locking button **15**.

Switching off: Press and release ON-OFF switch **10**.

GST 100/CE:

Switching on: Slide the on/off switch **10** to the front until it latches (Position **I** = ON).

Switching off: Press the on/off switch **10** at the rear; the switch springs back to the initial position (Position **0** = OFF).

Contact Protector

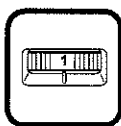
The contact protector **3** attached to the machine prevents unintentional contact with the saw blade while working.

Infinitely-variable stroke rate adjustment (GST 100 BCE)

Light application of pressure on ON-OFF switch **10** results in low stroke rate. Increasing pressure results in a higher stroke rate.

Stroke Rate Selection (GST 100 CE/BCE)

With the thumbwheel **1**, the required stroke rate can be selected (also while running).



- 1 - 2 = Low stroke rate
- 3 - 4 = Medium stroke rate
- 5 - 6 = High stroke rate

Constant Electronics with Soft Start (GST 100 CE/BCE)

The built-in soft start electronics prevent a jerking "Run-up" when the machine is switched on.

After the brief soft run-up, the machine is regulated to the preselected stroke rate.



The Constant Electronics with "Tach-generator" keeps the preselected stroke rate nearly constant also under load.

The stroke rate required depends upon the material and the working conditions. The optimal setting can be determined in practice. You can find relevant information in the following table. After working for longer periods at low stroke rate allow the machine to cool by running it at maximum stroke rate and no load for approx. 3 minutes.

Dust Vacuuming with the External Extractor Device



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 mask.

Vacuuming Connector

Piece

The vacuuming connector piece **13** serves for the connecting of a suitable vacuum hose.

When inserting the connection piece **13** into the base plate **11**, take care that the plastic nose of the vacuuming adapter engages in the corresponding hole on the motor housing (see Figure **B**).

For vacuuming, a Bosch 19 mm dia. vacuum hose **14** can be directly connected to the connector piece **13**. The use of a 35 mm dia. vacuum hose requires that an additional adapter be used (**1 600 499 005** - see accessories).

The machine can be connected directly to the socket of a Bosch all-purpose vacuum cleaner with a remote starting device. The vacuum cleaner is started automatically when the machine is switched on.

So that optimum vacuuming of the sawdust is ensured, the vacuum channels and the vacuuming adapter should be cleaned regularly.

Dust Cover

The transparent dust cover **2** makes possible the collecting of the sawdust and must always be mounted when dust vacuuming is used.

Mounting: Place the cover from the front onto the contact protector **3** and snap on.

Removal: Take hold of the cover at the sides, tilt slightly and pull off to the front.

Sawdust Blower

The sawdust blowing device directs a stream of air at the saw blade. This prevents the cut line from being covered by sawdust while working. The air stream can be adjusted to one of three levels with adjustment lever **9**:



Blower effect switched on:

For working with wood, plastic and similar materials that produce large amounts of sawdust.



Blower effect switched off:

For working with metals and when cooling or lubricating agents are used.

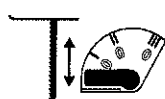
Pendulum Action Setting



The saw blade pendulum action that is adjustable in four steps makes possible the optimum adaptation of sawing advancing (cutting speed), cutting performance and cut appearance of the material to be worked.

For each downward movement, the saw blade is lifted off the material which facilitates sawdust ejection, reduces heat generated by friction and increases the service life of the saw blade. At the same time, the reduction of the necessary advancing force makes fatigue-free working possible.

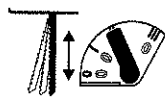
The adjustment lever 8 makes possible the adjustment of the pendulum action in four steps. The switching can take place with the machine running:



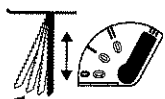
Step 0:
No pendulum action



Step I:
Small pendulum action



Step II:
Medium pendulum action



Step III:
Large pendulum action

The following basic recommendations are to be observed:

- The finer and cleaner the cut edge should be, the smaller the pendulum step selected should be or switch off.
- For the working of thin material such as sheet metal, switch off the pendulum action (Step 0).
- In hard material such as steel, work with a small pendulum action.
- In materials such as softwood and cutting in the direction of the grain, the maximum pendulum action can be used.

The optimal setting can be determined in practice.

Cutting Angle Adjustment (Figure C)



Before adjusting the cutting angle (e.g., for mitre cuts), remove the vacuuming connector piece 13.

After loosening the screw 16 and lightly sliding in the direction of saw blade, the base plate 11 is continuously adjustable to a maximum of 45° to the right or left.

After coarse adjustment, tighten the screw 16 so that the base plate 11 can still just be adjusted. Set the exact cutting angle with the aid of a triangle, for example. Firmly tighten the screw 16.

When returning the base plate to the 0° (normal) position, press the base plate lightly in the direction of the motor until it can be felt to engage and again tighten the screw 16.

Offsetting the Base Plate

For sawing close to an edge, the base plate can be offset to the rear:

Loosen the screw 16 by approx. two turns. Slide the base plate to the rear in the direction of the motor to the stop and retighten the screw.



With the base plate offset, only the 0° (normal) position can be used.



The circle cutter/parallel guide 18 as well as the splintering protector 17 cannot be used in this case.

Splintering Protector (see figure D)

The splintering protector 17 prevents the splintering of the surface when sawing in wooden materials.

Press the splintering protector from below into the base plate 11.



The splintering protector cannot be used for certain saw blade types (e.g., saw blades with set).

Glide Shoe for Base Plate (see figure D)

The aluminium base plate 11 with a steel inlay provides the highest possible stability and is intended for the working of metal or insensitive surfaces without the use of the glide shoe 12.

For the working of sensitive materials, the glide shoe 12 prevents the scratching of the surface.

To attach the glide shoe, hook it onto the base plate at the front, press it up at the back and latch.

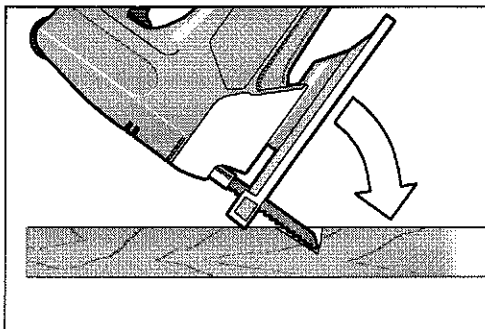
Application Tips

Plunge Sawing

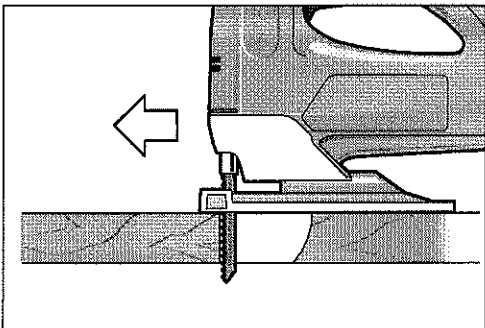
! Only soft materials such as wood, aerated concrete, plaster board, etc. may be worked with the plunge method.

Cut-outs in wood are possible without predrilling by piercing with the running machine. This requires a certain amount of practice, however, and is possible only with short saw blades.

Place the front edge of the base plate on the workpiece and switch on. Press the machine firmly against the workpiece and plunge the saw blade slowly into the workpiece.



After reaching the required cutting depth, bring the machine again to the normal working position so that the complete surface of the base plate rests on the workpiece and continue to saw along the cutting line.



After completing the cut, switch off the machine first and then pull it out of the cut.

Circle cutter/Parallel guide (Accessory - see Fig. E / F)

With the combined circle cutter/parallel guide 18 you can make circular cut-outs or parallel cuts in materials of up to 30 mm thickness.

For tight-radius curves it is best to use a narrow saw blade.

Apply coolant or lubricant to deal with the heat produced along the cut line when sawing metal.

Maintenance and Cleaning

- Before all work on the machine, pull the plug from the socket!
- Always keep the machine and the ventilation slots clean.
- To prevent malfunctions from excessive soiling, materials that produce large amounts of dust such as plaster board should not be worked from below or overhead.
- To ensure the long-term flawless operation of the machine, the SDS saw blade holder should be cleaned regularly. This can be done, for example, by lightly tapping the machine with its foot plate against a flat surface.

! In extreme operating conditions (e.g. when working with non-ferrous metals) the interior of the machine can become blocked with cuttings. In such cases it is recommended to use a stationary extractor, reduce the cleaning cycles and connect an earth-leakage circuit-breaker.

Guide roller 6 should occasionally be checked for wear and lubricated with a drop of oil. If, after a long period, it should display extensive wear, it must be replaced by a professional or at an authorised Bosch Service Station for electric tools.

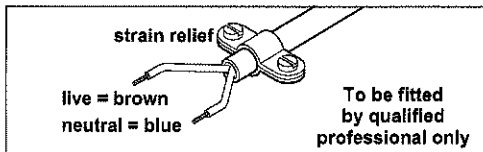
If the machine should happen to fail despite the care taken in manufacture and testing, repair should be carried out by an authorised customer services agent for Bosch power tools.

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.

The machine, accessories and packaging should be sorted for environmental-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.

Noise/Vibration Information

Measured values determined according to EN 50 144.

Typically the A-weighted sound pressure level of the product is 83 dB (A).

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

Wear ear protection!

The typical hand/arm vibration is below 2.5 m/s².

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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 according to the provisions of the directives 89/336/EEC, 98/37/EC.

Dr. Gerhard Felten

Dr. Eckerhard Strötgen

ppa. Felten *i.v. Strötgen*

Robert Bosch GmbH, Geschäftsbereich Elektrowerkzeuge

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