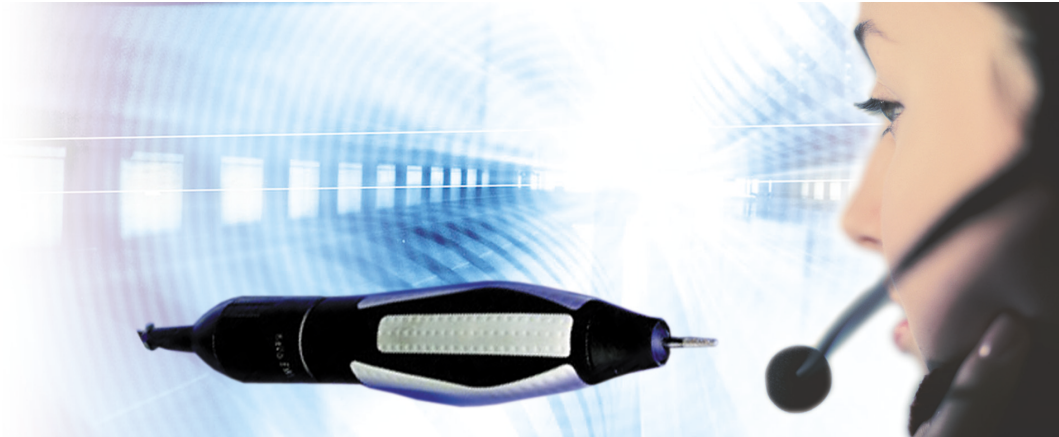


# Instructions for use

## K-POWERgrip Handstück 4941



Always be on the safe side.



KaVo. Dental Excellence.

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## 1 User instructions

### 1.1 Service



Service hotline:  
+49 7351 56-1600  
Service.Zahntechnik@kavo.com  
Please indicate the product serial number in all requests.  
Additional information can be obtained at: [www.kavo.com](http://www.kavo.com)

### 1.2 User guide

#### Requirement

Read these instructions prior to first use to avoid misuse and prevent damage.

#### 1.2.1 Abbreviations

Abbreviation	Explanation
IfU	Instructions for Use
CI	Care instructions
AI	Assembly instructions
TI	Technician's instructions
SC	Safety checks
IEC	International Electrotechnical Commission
RI	Repair instructions
EMC	Electromagnetic compatibility

#### 1.2.2 Symbols

	Important information for users and technicians
	CE mark (Communauté Européenne). A product with this mark meets the requirements of the applicable EC directives.
	Action request
	Follow instructions for use! Refer to chapter Safety/Warning
	Open, remove, loosen, etc.
	Close, screw in, fasten, etc.

### 1.2.3 Target group

This document is for dental technicians and laboratory personnel.

## 1.3 Warranty terms and conditions

Within the scope of the applicable KaVo delivery and payment conditions, KaVo guarantees proper function, absence of defects in material and workmanship for a period of 12 months from the date of purchase as confirmed by the salesperson. In case of justified complaints, KaVo will honour its warranty with a free replacement or repair.

The warranty does not cover defects and their consequences that arose or may have arisen due to natural wear, improper handling, cleaning or maintenance, non-compliance with operating, maintenance or connection instructions, corrosion, contaminated media supply or chemical or electrical influences deemed abnormal or impermissible in accordance with factory specifications.

The warranty does not usually cover lamps, light conductors made of glass and glass fibres, glassware, rubber parts and the colourfastness of plastic parts.

The warranty expires if defects or their consequences could possibly have arisen because the product has been modified or changed. Warranty claims can only be asserted when they are immediately reported to KaVo in writing.

This notification must be accompanied by a copy of the invoice or delivery note on which the manufacturing number is clearly visible. In addition to the warranty, the statutory warranty claims of the purchaser also apply with a warranty period of 12 months.

## 1.4 Transportation and storage

### 1.4.1 Currently valid packaging regulations



#### Note

Only valid for the Federal Republic of Germany.

Properly dispose of and recycle the sales packaging according the applicable packaging ordinance through waste management businesses or recycling companies within a comprehensive return system. KaVo has licensed its sales packaging in accordance with this directive. Please follow the regional public waste disposal system.

## 1.4.2 Damage in transit

### In Germany

If the packaging is visibly damaged on delivery, please proceed as follows:

1. The recipient of the package must record the loss or damage on the delivery receipt. The recipient and the representative of the shipping company must sign this delivery receipt.
2. Leave the product and packaging in the condition in which you received it.
3. Do not use the product.
4. Report the damage to the shipping company.
5. Report the damage to KaVo.
6. You must contact KaVo before returning a damaged product.
7. Send the signed delivery receipt to KaVo.

If the product is damaged but there was no discernable damage to the packaging upon delivery, proceed as follows:

1. Report the damage to the shipping company immediately and no later than 7 days after delivery.
2. Report the damage to KaVo.
3. Leave the product and packaging in the condition in which you received it.
4. Do not use a damaged product.



#### Note

Failure on the part of the recipient to comply with any of the above obligations will mean that the damage will be considered to have arisen following delivery (in accordance with ADSP. Art. 28).

### Outside Germany



#### Note

KaVo is not liable for damage arising from transportation.  
Immediately inspect the delivery after receipt!

If the packaging is visibly damaged on delivery, please proceed as follows:

1. The recipient of the package must record the loss or damage on the delivery receipt. The recipient and the representative of the shipping company must sign this delivery receipt.  
Without this evidence, the recipient will not be able to assert a claim for damages against the shipping company.
2. Leave the product and packaging in the condition in which you received it.
3. Do not use the product.

If the product is damaged but there was no discernable damage to the packaging upon delivery, proceed as follows:

1. Report any damage to the shipping company either immediately or no later than 7 days after delivery.
2. Leave the product and packaging in the condition in which you received it.
3. Do not use a damaged product.



**Note**

Failure on the part of the recipient to comply with any of the above obligations will mean that the damage will be considered to have arisen following delivery (in accordance with CMR law, Chapter 5, Art. 30).








1.4.3 Information on the packaging: Storage and transportation



**Note**

Please keep the packaging should you need to return the product for servicing or repair.

The symbols printed on the outside are for transportation and storage, and have the following meaning:

	Transport upright with the arrows pointing upwards!
	Fragile - protect against impact!
	Protect from moisture!
	Permissible stacking load
	Temperature range
	Humidity
	Air pressure

## 2 Safety

### 2.1 Description of safety instructions

#### 2.1.1 Warning symbol



Warning symbol

#### 2.1.2 Structure

	<p> <b>DANGER</b></p> <p>The introduction describes the type and source of the hazard. This section describes the potential consequences of non-observance.</p> <ul style="list-style-type: none"> <li>► The optional step includes necessary measures for hazard prevention.</li> </ul>
--	--

#### 2.1.3 Description of hazard levels

Safety instructions with three hazard levels are used in this document to prevent personal and property damage.

	<p> <b>CAUTION</b></p> <p><b>CAUTION</b> indicates a hazardous situation that can cause damage to property or mild to moderate injuries.</p>
--	--

	<p> <b>WARNING</b></p> <p><b>WARNING</b> indicates a hazardous situation that can cause death or serious injury.</p>
--	--

	<p> <b>DANGER</b></p> <p><b>DANGER</b> indicates a hazardous situation that can directly cause death or serious injury.</p>
--	---

### 2.2 Purpose – Proper use

#### 2.2.1 General information



##### Note

Only competent and trained personnel may use the product!



This KaVo product has been designed solely for dental technology, industrial and trade applications. Any other type of use is not allowed.

"Proper use" includes following all the instructions for use and ensuring that all inspections and service tasks are performed.

This product has only been approved for use indoors.

The overarching guidelines and/or national laws, national regulations and the rules of technology applicable to the startup and use of the KaVo product for the intended purpose are to be applied and complied with.

During use, national legal regulations must be observed, in particular:

- the applicable health and safety regulations.
- the applicable accident prevention regulations.

### 2.2.2 Product-specific

The K-POWERgrip handpiece 4941 is for working on crowns, bridges, and plastic and cast model prostheses.

### 2.2.3 Disposal of electronic and electrical devices



#### Note

According to EC directive 2002/96 concerning used electrical and electronic devices, this product is subject to the cited directive and must be disposed of accordingly within Europe.

Before disassembly / disposal, the product must be completely reprocessed (disinfected, sterilised) according to the chapter on "Reprocessing methods".

For more information, please contact KaVo ([www.kavo.com](http://www.kavo.com)) or your dental supplier.

For final disposal, contact:

## Germany

To return an electrical device, proceed as follows:

1. At the homepage [www.enretec.de](http://www.enretec.de) of enretec GmbH, you can download a form for a disposal request under the menu item **eom**, or you can use it as an online request.
2. Fill out the request with the corresponding information, and send it as an online request or by fax (+49(0)3304 3919 590) to enretec GmbH.  
The following avenues are also available for questions and for initiating a disposal request:  
Telephone: +49 (0) 3304 3919 500  
E-Mail: [pickup@eomRECYCLING.com](mailto:pickup@eomRECYCLING.com) and  
Post: enretec GmbH, eomRECYCLING Department  
Kanalstraße 17  
16727 Velten
3. Your **permanently installed** device will be picked up in your practice, and your **movable** unit will be picked up at the curb at your address on the agreed deadline.  
The owner or user of the device will bear the costs for disassembly, transportation and packaging.

## International (EU)

For country-specific information on disposal, contact your dental supplier.

## 2.3 Safety instructions

### 2.3.1 General information



#### Note

Only competent and trained personnel may use the product!

The user must ensure that the unit works properly and is in satisfactory condition before each use.

Users have a duty to:

- Only use equipment that is operating correctly
- to protect himself, the patient and third parties from danger.

Authorized to repair and service the KaVo product:

- Technicians from KaVo branches with appropriate product training.
- the technicians of the KaVo franchised dealers specifically trained by KaVo.

KaVo does not accept responsibility for damage caused by:

- External influences, poor media quality or faulty installation.
- The use of incorrect information.
- Repair work carried out incorrectly.







**Note**

Any waste which is generated must be recycled or disposed of in a manner which is safe both for people and for the environment. This must be done in strict compliance with all applicable national regulations.

Questions on proper disposal of the KaVo product can be answered by the KaVo branch.

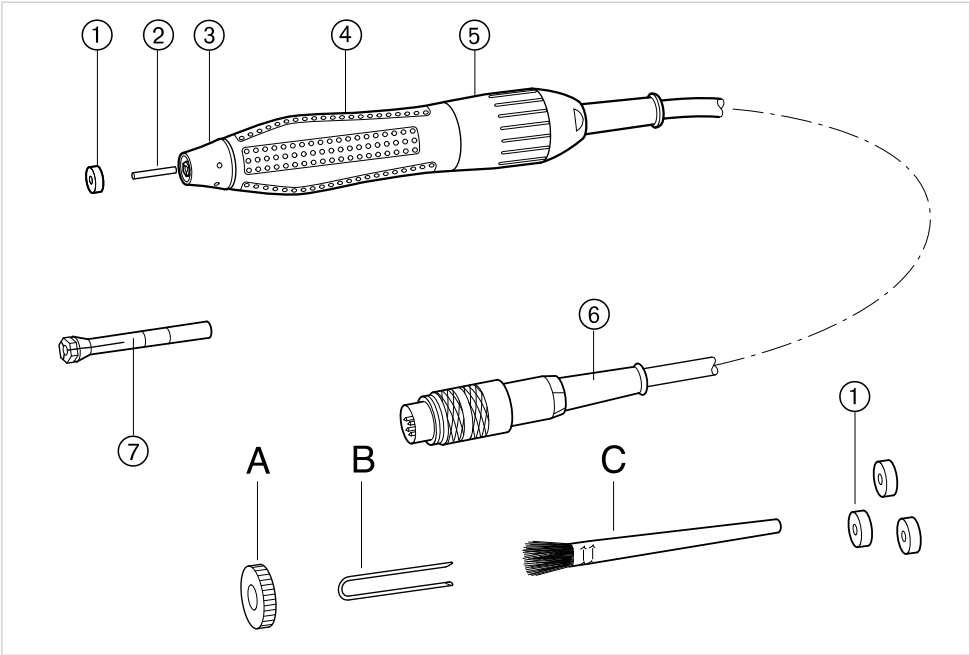
	<p><b>⚠ CAUTION</b></p> <p><b>Improper product maintenance or repair.</b> Damage to product.</p> <ul style="list-style-type: none"> <li>▶ Repair and servicing work on the electronic part of the unit may be done only by skilled staff or by technicians trained by KaVo.</li> <li>▶ Only use original KaVo spare parts!</li> </ul>
	<p><b>⚠ WARNING</b></p> <p><b>Injury or damage from damaged functional parts.</b> If functional parts are damaged, it can cause additional damage or personal injury.</p> <ul style="list-style-type: none"> <li>▶ If functional parts are damaged: discontinue your work and repair the damage nor notify service technician!</li> <li>▶ Check the electrode lines and accessories for damage to the insulation.</li> </ul>
	<p><b>⚠ CAUTION</b></p> <p><b>Damage due to liquids</b> Faults on electric components.</p> <ul style="list-style-type: none"> <li>▶ Protect product openings from penetration of liquids.</li> <li>▶ Remove liquids from the inside of the device.</li> </ul>
	<p><b>⚠ CAUTION</b></p> <p><b>Premature wear and malfunctions from improper servicing and care.</b> Reduced product life.</p> <ul style="list-style-type: none"> <li>▶ Perform regular proper care and maintenance!</li> </ul>
	<p><b>⚠ CAUTION</b></p> <p><b>Injury or damage caused by unsuitable drills or grinders.</b> Drill or grinder falling out of chuck.</p> <ul style="list-style-type: none"> <li>▶ Only use drills or grinders meeting the requirements of BS EN ISO 1797-1!</li> <li>▶ Never use drills or grinders with worn shafts!</li> <li>▶ Follow the instructions for use supplied by the drill or grinder manufacturer!</li> </ul>
	<p><b>⚠ CAUTION</b></p> <p><b>Injury or damage due to wear.</b> Irregular running noise, significant vibration, overheating, imbalance or insufficient grip.</p> <ul style="list-style-type: none"> <li>▶ Stop work and seek service support.</li> </ul>

### 2.3.2 Product-specific

	<p><b>⚠ CAUTION</b></p> <p><b>Risk due to incorrectly stored handpiece.</b>  Injury caused by chucked drill or grinder.  Damage to clamping system caused by handpiece falling down.</p> <ul style="list-style-type: none"> <li>▶ Store the handpiece properly in a tray or tool carrier.</li> </ul>
	<p><b>⚠ CAUTION</b></p> <p><b>Risk of injury due to rotating tools.</b>  Eye injury.</p> <ul style="list-style-type: none"> <li>▶ Wear safety glasses.</li> <li>▶ Use protective shield.</li> </ul>
	<p><b>⚠ CAUTION</b></p> <p><b>Unsuitable speed.</b>  Damage to the product.  Problems processing selected material</p> <ul style="list-style-type: none"> <li>▶ Check the speed setting each time you turn on the unit!</li> </ul>
	<p><b>⚠ CAUTION</b></p> <p><b>Hazard from dust and chips.</b>  Damage to health from inhalation or injury.</p> <ul style="list-style-type: none"> <li>▶ Use protective shield.</li> <li>▶ Use vacuum.</li> </ul>

3 Product description

3.1 K-POWERgrip 4941 handpiece



K-POWERgrip 4941 handpiece

- A Chuck key

B Clamp

C Cleaning brush
- ① Cover

② Straight pin

③ Grip tip

④ Handpiece part

⑤ Motor part

⑥ Cable

⑦ Chuck

3.2 Scope of delivery

Figure	Name	Material number
	K-POWERgrip hand piece 4941	Mat. no. 1.002.2916
	Servicing set	Mat. no. 0.411.3180
	Instructions for Use	

### 3.3 Technical data

#### Speed

Area	1,000 to 50,000 rpm
------	---------------------

#### Dimensions

Length	165 mm
Diameter of handpiece	29 mm
Diameter of motor part	28 mm

#### Weight

Handpiece	approx. 250 g
Cable	ca. 105 g

#### Voltage and power

Output	150 W
Torque	7 Ncm

#### Environmental conditions

Permissible ambient temperature range	+5 °C to +40 °C
Permissible to maximum relative humidity	80 %

#### Exposure mode

Operating time	2 minutes/ON
Pause time	8 minutes/OFF

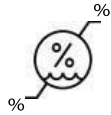
#### Requirements, classification

Degree of soiling	2
Overvoltage category	II

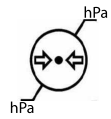
#### Transportation and storage conditions



Temperature range: -20°C to +70°C



Relative humidity: 5% to 95% (non-condensing)



Air pressure: 700 hPa to 1060 hPa



**Note**

Prior to start-up, very cold products must be heated to a temperature of Heat to 20°C to 25°C. Avoid condensation.

## 4 First use

### Requirement

The handpiece must only be operated and stored with the tool or test probe chucked.



### Note

Opening the chuck will lock the handpiece; in the event of unintentional operation, the control will switch to error mode.

The combination of the control unit and handpiece must be approved by KaVo.



### Note

When it is new, you can hear a soft, irregular clicking or buzzing at high speeds of the micromotor. This bearing noise is completely normal, and disappears as soon as the lubricant is evenly distributed.

The handpiece can be used on the

- K-Control
  - Knee control 4960
  - Table-top control 4965
  - Foot control 4970
- K-Control, TLC
  - Knee control 4955
  - Foot control 4956
  - Table-top control 4957



## 5 Operation

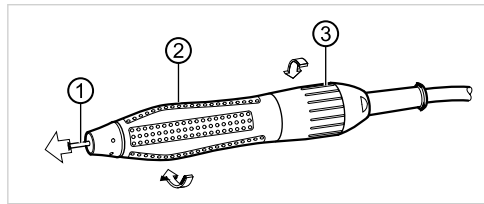


### Note

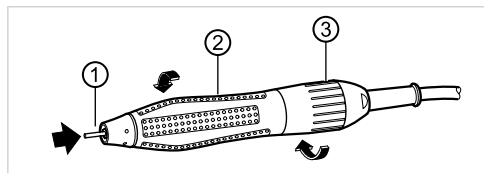
Note the safety instructions before each use.

### 5.1 Using/Changing the tool

- ▶ Grip the handpiece part ②, and turn it and the motor ③ in opposite directions as indicated by the arrows until the chuck opens completely.
- ▶ Take the tool or test probe ① out of the chuck.



- ▶ Insert a new tool or test probe ① into the chuck as far as it will go.
- ▶ Grip the handpiece part 2, and turn the motor 3 in the direction indicated by the arrow until the chuck closes completely.



### Note

Once you have inserted the tool (insert the tool as far as it will go, tool shaft length: minimum 16 mm) you need to check the functionality of the chuck. KaVo recommends a grip test at 50 N.



### Note

Only use tools that work properly. Follow the instructions of the tool manufacturer.

### 5.2 Operation



### Note



Unsuitable lighting in the workplace can give rise to what is known as the stroboscope effect. This simulates tool standstill at certain speeds. The problem can be solved by providing suitable lighting.

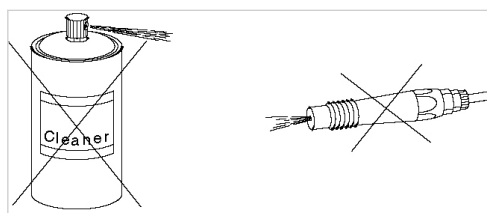
- ▶ Prior to every use, check the required speed on the control unit and modify it if necessary.

- ▶ Operate the handpiece as specified in the instructions for use of the upstream control unit.

## 6 Service and Care

KaVo recommends the sole use of **original KaVo parts®** for operation and repairs as these have been tested extensively for safety, functioning and specific suitability.

	<p><b>⚠ WARNING</b></p> <p><b>Repair and servicing the electrical part of the unit.</b> Electrical shock.</p> <ul style="list-style-type: none"> <li>▶ Only a qualified professional or trained individual may repair or service the electrical part of the device.</li> <li>▶ Follow safety instructions.</li> <li>▶ Pull the power plug or completely disconnect the device from the power connection to de-energize the device.</li> </ul>
	<p><b>⚠ CAUTION</b></p> <p><b>Ingress of dust or liquids into the handpiece.</b> Damage to ball bearings and O-rings.</p> <ul style="list-style-type: none"> <li>▶ Never use compressed air or cleaning agents (such as spray cleaners, degreasers, etc.)!</li> <li>▶ Use the cleaning brush from the care set.</li> <li>▶ Only use an original chuck.</li> </ul>

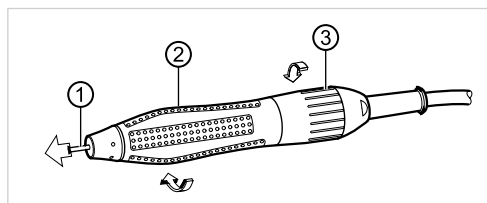


### 6.1 Cleaning

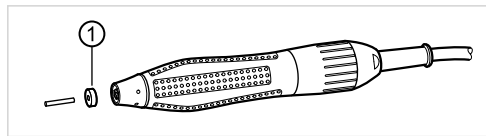
#### 6.1.1 Weekly cleaning of chuck and handpiece section

##### Removing the chuck

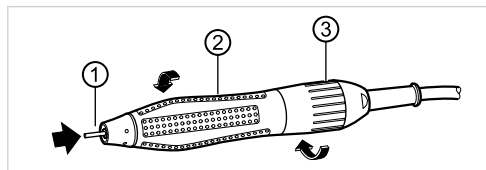
- ▶ Grip the handpiece part ②, and turn it and the motor ③ in opposite directions as indicated by the arrows until the chuck opens completely.
- ▶ Take the tool or test probe ① out of the chuck.



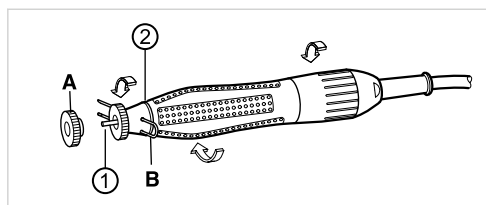
- ▶ Remove the chuck ①.



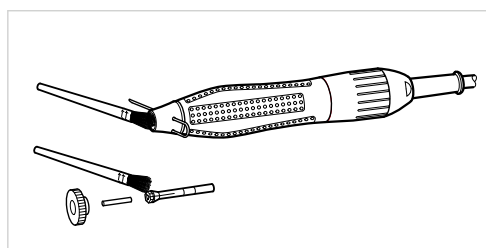
- ▶ Insert a new tool or test probe ① into the chuck as far as it will go.
- ▶ Grip the handpiece part 2, and turn the motor 3 in the direction indicated by the arrow until the chuck closes completely.



- ▶ Slowly turn the shaft in the pin ① until the clamp B can be inserted with a slight amount of resistance into the grip tip ②.
- ▶ Open the chuck.  
Shove out the chuck with the original chuck key A while the pin or tool is inserted.

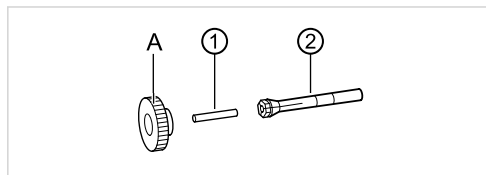


- ▶ Clean the front opening of the handpiece with a brush **Mat. no. 0.411.3180**.
- ▶ Clean the chuck thread and surface as well as the rotor cone, and apply a slight amount of lubricant.

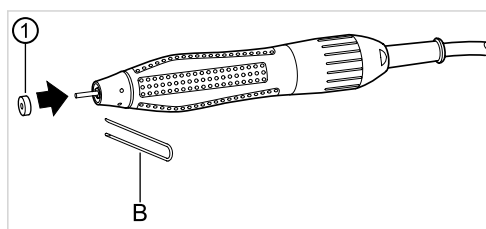


## Fitting the chuck

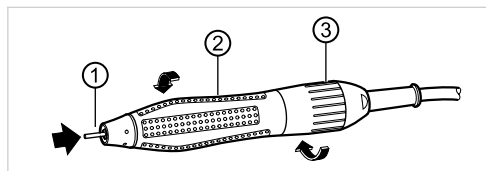
- ▶ Insert the chuck ② and pin ① with the original chuck key **A**, and tighten.



- ▶ Reattach the cover ①.
- ▶ If worn, replace the cover (three units in the care set).
- ▶ Remove the clamp **B** from the grip tip.



- ▶ Insert a new tool or test probe ① into the chuck as far as it will go.
- ▶ Grip the handpiece part 2, and turn the motor 3 in the direction indicated by the arrow until the chuck closes completely.



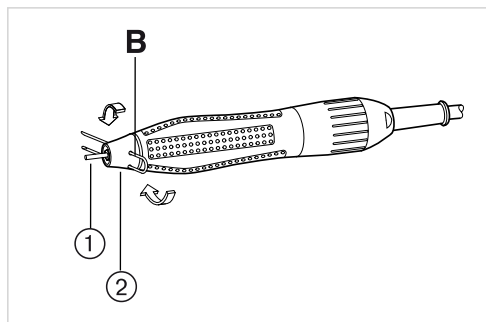
## 6.2 Servicing

### 6.2.1 Replacing ball bearings

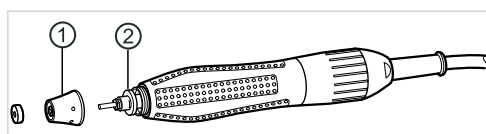
#### Disassembly

- ▶ Slowly turn the shaft in the pin ① until the clamp **B** can be inserted with a slight amount of resistance into the grip tip ②.

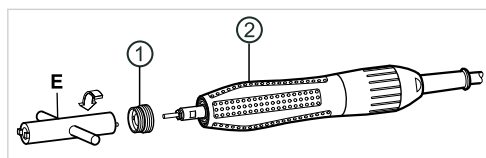
- ▶ Loosen the grip tip in the direction of the arrow, and remove the clamp **B**.



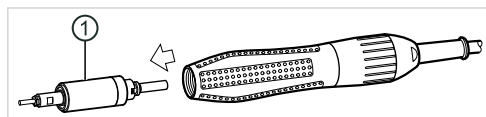
- ▶ Completely remove the grip tip ①, and remove the felt washer ② entnehmen.



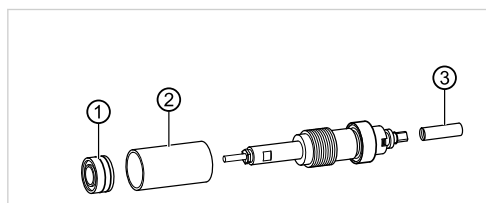
- ▶ Grasp the handpiece part ②, and loosen and remove the threaded ring ① with the socket wrench **E**.



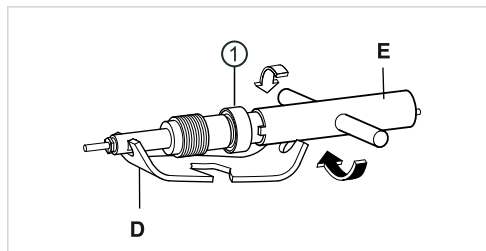
- ▶ Use the wrench ① to completely remove the shaft from the handpiece.



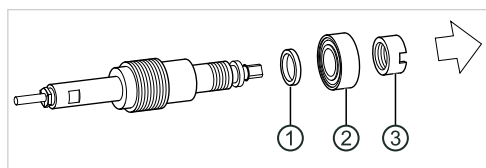
- ▶ Remove the ball bearing ① and sleeves ② and ③ from the shaft.



- ▶ Grip the shaft with the wrench **D**, and loosen the nut ① with the socket wrench **E** (note: left-hand thread).

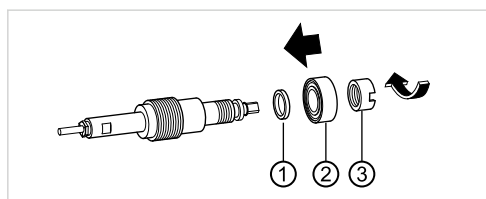


- ▶ Remove the nut ①, ball bearing ② and ring ③.

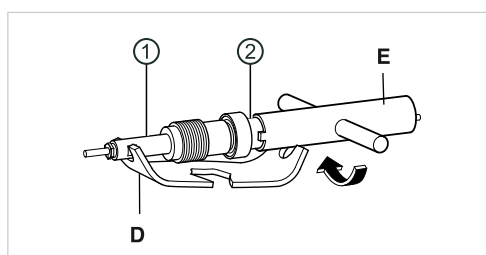


## Assembly

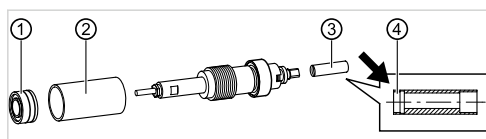
- ▶ Shove the ring ①, ball bearing ② and nut ③ onto the shaft.



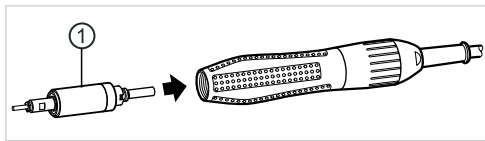
- ▶ Hold the shaft ① with the wrench **D**, and screw the nut ② tight with the socket wrench **E** (note: left-hand thread).



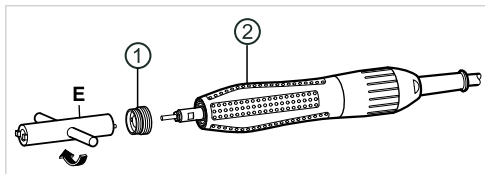
- ▶ Shove the ball bearing ① (O-rings to the insive of the handpiece) and sleeves ② and ③ all the way onto the shaft. Make sure that the sleeve ③ is shoved on from the correct side ④.



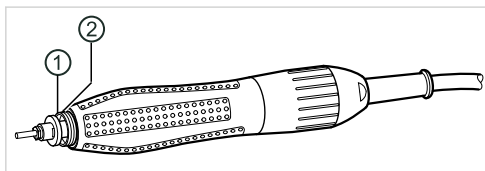
- ▶ While rotating it, insert the shaft unit ① into the handpiece.



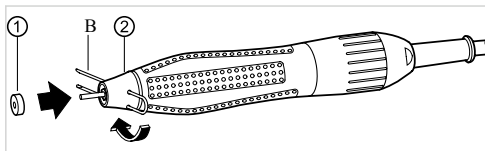
- ▶ Grip the handpiece ②, and use the socket wrench E to screw the threaded ring ① tight.



- ▶ Insert a new felt washer ① into the threaded ring ②.



- ▶ Grip the handpiece part, manually screw on the grip tip ②, and carefully tighten with the clamp B.
- ▶ Insert the cover ①.

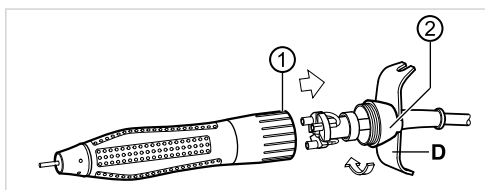


#### Note

To increase the service life of the ball bearings, KaVo recommends the following: After changing the ball bearing, let the handpiece idle for about 60 minute at 10,000 to 15,000 rpm.

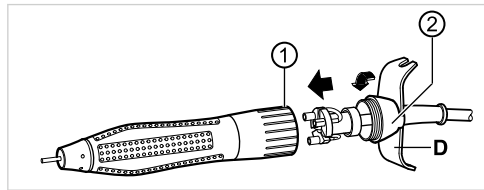
### 6.2.2 Replacing the cable

- ▶ Use the wrench (D) to unscrew the cap 2 from the motor part ①, and pull the line in the direction of the arrow.






- Completely insert a new 3-pole line into the motor part ①, and screw in the cap ② with the wrench **D**.



**Note**

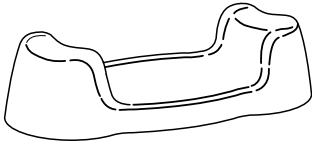
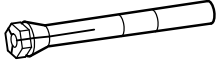
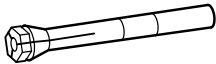


Check the functionality of the handpiece.

## 7 Troubleshooting

	<b>⚠ WARNING</b>
	<p><b>Repair and servicing the electrical part of the unit.</b> Electrical shock.</p> <ul style="list-style-type: none"> <li>▶ Only a qualified professional or trained individual may repair or service the electrical part of the device.</li> <li>▶ Follow safety instructions.</li> <li>▶ Pull the power plug or completely disconnect the device from the power connection to de-energize the device.</li> </ul>

Malfunction	Cause	Remedy
The handpiece cannot rotate or temporarily shuts off.	Handpiece is blocked, clamping system may be open	<ul style="list-style-type: none"> <li>▶ Close the chuck correctly with the tool in-situ.</li> </ul>
	Cable break.	<ul style="list-style-type: none"> <li>▶ Check the line including the plug-in connections, and exchange if necessary.</li> </ul> <p><b>See also:</b> 6.2.2 Replacing the cable, Page 22</p>
	Electronic fault in control unit.	<ul style="list-style-type: none"> <li>▶ Check the controls and have them repaired if necessary.</li> </ul>
The tool is not tightly held by the chuck.	Tool shaft and chuck diameters are not the same.	<ul style="list-style-type: none"> <li>▶ Use a tool/chuck with a suitable diameter.</li> </ul>
	The chuck is loose.	<ul style="list-style-type: none"> <li>▶ Correctly insert the chuck.</li> </ul> <p><b>See also:</b> 6.1.1 Weekly cleaning of chuck and handpiece section, Page 17</p>
	Chuck is worn.	<ul style="list-style-type: none"> <li>▶ Replace chuck.</li> </ul> <p><b>See also:</b> 6.1.1 Weekly cleaning of chuck and handpiece section, Page 17</p>
The handpiece is noisy or heats up when running.	Ball bearing defective due to wear or soiling.	<ul style="list-style-type: none"> <li>▶ Check the ball bearing and exchange if necessary.</li> </ul> <p><b>See also:</b> 6.2.1 Replacing ball bearings, Page 19</p>
	Prolonged operation at very high load.	<ul style="list-style-type: none"> <li>▶ Rectify cause for high load. You may need to increase the speed. Use a tool with a smaller diameter.</li> </ul>
	Electronic fault in control unit.	<ul style="list-style-type: none"> <li>▶ Check the controls and have them repaired if necessary.</li> </ul>

## 8 Accessories

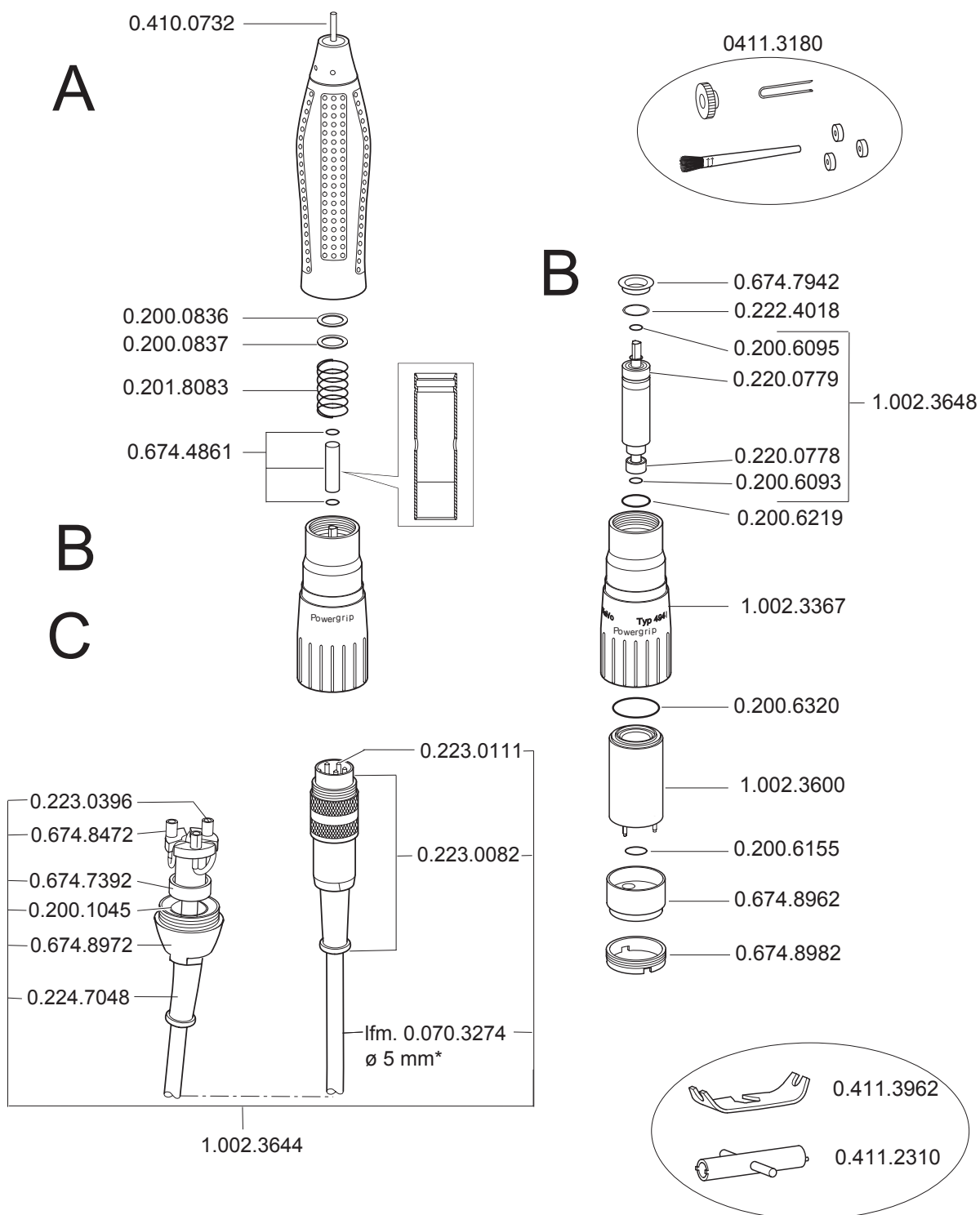
Presentation	Material summary	Mat. no.
	Handpiece rest	0.642.0352
	Chuck 30 mm	0.674.4881
	Chuck 2.35 mm	0.674.4871
	Key D	0.411.3962
	Socket wrench E	0.411.2310

## 9 Ersatzteile

Verk.-Nr. K POWERgrip Typ 4941  
Mat.-Nr. 1.002.2916



07/2009  
01.40

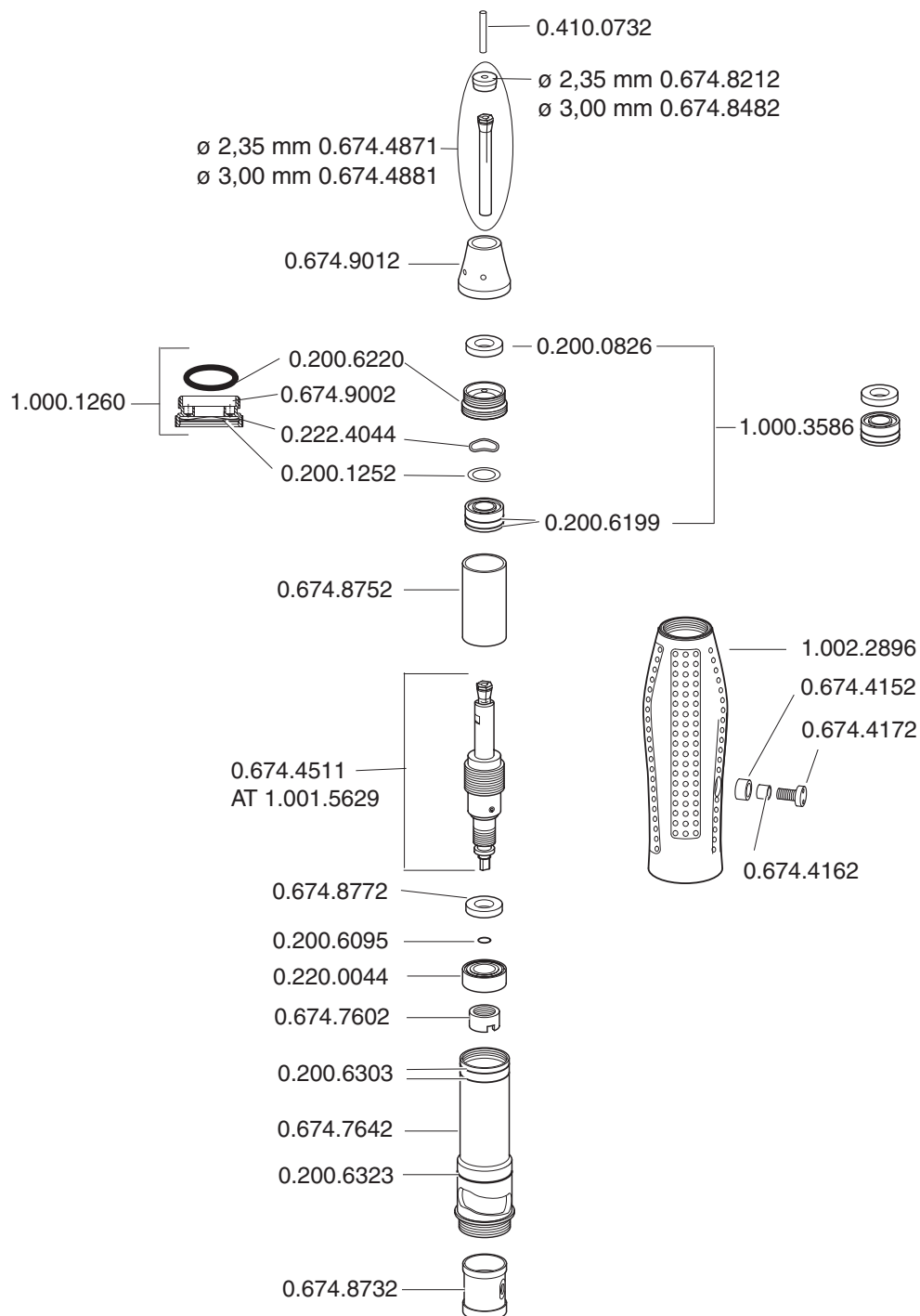


Verk.-Nr. K POWERgrip Typ 4941  
Mat.-Nr. 1.002.2916



07/2009  
01.40

A





EG-Konformitätserklärung  
EC-Declaration of conformity  
CE-Déclaration de conformité  
Dichiarazione di conformità con le norme CE  
Prohlášení o shodě s normami ES  
Declaración de Conformidad de la CE

**Manufacturer:**  
**Kaltenbach & Voigt GmbH**  
**Bismarckring 39**  
**D-88400 Biberach**

**Controller K-Control Type 4960/4965/4970**  
in connection with handpiece  
**K-ERGOgrip 4944 / POWERgrip 4941 / K5plus 4911 /**  
**K9 - 950 / K9 - 955 / K9 - 960 / K9 - 970 / K9 - 4930 / SF 4005**  
**K5 - 4910 / K10 - 4950 / K11 - 4990 / K12 - 4940**

2006/95/EC  
2004/108/EC  
EN 61010-1

EN 61326-1

**EC Low Voltage Directive**  
**EMC Directive**  
**Safety requirements for electrical equipment**  
**for measurement, control and laboratory use.**  
**General requirements**  
**Electrical equipment for measurement, control**  
**and laboratory use – EMC requirements –**  
**Part 1: General requirements**

D

Wir erklären, dass die von uns hergestellten Produkte auf die sich diese Erklärung bezieht, mit den grundlegenden Anforderungen gemäß den Bestimmungen der obigen Richtlinie übereinstimmen. Zur Beurteilung des Erzeugnisses wurden die benannten Normen oder normative Dokumente angewandt.

GB

We declare that the products manufactured by us to which this statement refers, conform to the essential requirements according to the above-mentioned directive. The specified standards or normative documents were applied to evaluate the product.

FR

Nous déclarons que les produits que nous fabriquons, auxquels se réfère cette déclaration, sont conformes aux exigences essentielles selon les dispositions de la directive susmentionnée. Les normes ou autres documents normatifs désignés sont utilisés pour le jugement de ce produit.

IT

Dichiariamo che i prodotti da noi fabbricati, a cui si riferisce la presente dichiarazione, sono conformi ai requisiti fondamentali ai sensi delle disposizioni della direttiva summenzionata. Per la valutazione del prodotto sono stati applicati le norme o i documenti normativi citati.

CZ

Prohlašujeme, že se námi vyráběné výrobky, na které se vztahuje toto prohlášení, shodují se základními požadavky podle předpisů výše uvedené směrnice. K posouzení výrobku byly použity uvedené normy nebo normativy.

ES

Por la presente declaramos que los productos que nosotros fabricamos, y a los que hace referencia esta declaración, cumplen los requisitos básicos de conformidad con las disposiciones de la directiva arriba mencionada. Las normas o documentos normativos mencionados se aplican en la evaluación de dichos productos.

Biberach  
effective date 01.10.2008



*Bernd Rakow*

Bernd Rakow  
Quality Director





EG-Konformitätserklärung  
EC-Declaration of conformity  
CE-Déclaration de conformité  
Dichiarazione di conformità con le norme CE  
Prohlášení o shodě s normami ES  
Declaración de Conformidad de la CE

**Manufacturer:**  
**Kaltenbach & Voigt GmbH**  
**Bismarckring 39**  
**D-88400 Biberach**

**Controller K-Control TLC Type 4955/4956/4957**  
in connection with handpiece  
**K-ERGOgrip 4944 / POWERgrip 4941 / K5plus 4911 /**  
**K5 – 4910 / K9 - 960 / K9 - 970 / K 9 – 4930 / K11 – 4990 / K12 - 4940**

2006/95/EC	EC Low Voltage Directive
2004/108/EC	EMC Directive
EN 61010-1	Safety requirements for electrical equipment for measurement, control and laboratory use. General requirements
EN 61326-1	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements

- D** Wir erklären, dass die von uns hergestellten Produkte auf die sich diese Erklärung bezieht, mit den grundlegenden Anforderungen gemäß den Bestimmungen der obigen Richtlinie übereinstimmen. Zur Beurteilung des Erzeugnisses wurden die benannten Normen oder normative Dokumente angewandt.
- GB** We declare that the products manufactured by us to which this statement refers, conform to the essential requirements according to the above-mentioned directive. The specified standards or normative documents were applied to evaluate the product.
- FR** Nous déclarons que les produits que nous fabriquons, auxquels se réfère cette déclaration, sont conformes aux exigences essentielles selon les dispositions de la directive susmentionnée. Les normes ou autres documents normatifs désignés sont utilisés pour le jugement de ce produit.
- IT** Dichiariamo che i prodotti da noi fabbricati, a cui si riferisce la presente dichiarazione, sono conformi ai requisiti fondamentali ai sensi delle disposizioni della direttiva summenzionata. Per la valutazione del prodotto sono stati applicati le norme o i documenti normativi citati.
- CZ** Prohlašujeme, že se námi vyráběné výrobky, na které se vztahuje toto prohlášení, shodují se základními požadavky podle předpisů výše uvedené směrnice. K posouzení výrobku byly použity uvedené normy nebo normativy.
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Biberach  
effective date 01.10.2008



Bernd Rakow

Bernd Rakow  
Quality Director





