# Instructions for use
# SONICflex quick 2008 - REF 1.005.9311
# SONICflex quick 2008 L - REF 1.005.9310

KaVo. Dental Excellence.

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## Contents

# 1 User instructions

Dear User
Congratulations on purchasing this KaVo quality product. By following the instructions below you will be able to work smoothly, economically and safely.



## Symbols

| | |
|---|---|
|  | Refer to the chapter on Safety/Warning symbol |
|  | Important information for users and service technicians |

| | |
|---|---|
| ▶ | Action request |
| CE | CE mark (European Community). A product bearing this mark meets the requirements of the applicable EC directive. |
|   | Can be steam-sterilised at 134 °C -1 °C / +4 °C (273 °F -1.6 °F / +7.4 °F) |
|  | Thermodisinfectable |

## Target group

This document is intended for dentists and their assistants. The section on starting up is also intended for service technicians.

# 2 Safety

## 2.1.1 Description of safety instructions: Warning symbol

| | |
|---|---|
|  | Warning symbol |

## 2.1.2 Description of safety instructions: Structure

**⚠ DANGER**

**The introduction describes the type and source of the hazard.**
This section describes the potential consequences of non-observance.

- ▶ The optional step includes necessary measures for hazard prevention.

### 2.1.3 Description of safety instructions: Description of danger levels

The safety instructions listed here, together with the three levels of danger will help avert property damage and injury.

**⚠ CAUTION**

**CAUTION**
indicates a hazardous situation that can cause damage to property or mild to moderate injuries.

**⚠ WARNING**

**WARNING**
indicates a hazardous situation that can cause death or serious injury.

**⚠ DANGER**

**DANGER**
indicates a hazardous situation that can directly cause death or serious injury.

## 2.2 Safety instructions

**⚠ WARNING**

**Hazard to the care provider and patient.**
In case of damage, irregular noise during operation, excessive vibration, atypical heating or when the tip cannot be firmly held.

- ▸ Stop working and contact service support.

**⚠ CAUTION**

**Injury or damage due to wear.**
Irregular operating noise, excessive or very low vibrations, or if the instrument tip becomes loose.

- Stop work and seek service support.

**⚠ CAUTION**

**Premature wear and malfunctioning from improper storage during long periods of nonuse.**
Reduced product life.

- The medical device should be cleaned, serviced and stored in a dry location, according to instructions, before long periods of nonuse.

**Note**

When the SONICflex is in the holder, the torque wrench should be placed on the tip to protect against injury.

The following individuals are authorized to repair and service KaVo products:

- Technicians at KaVo branches throughout the world
- Technicians specially trained by KaVo

To ensure proper function, the medical device must be set up according to the reprocessing methods described in the KaVo Instructions for Use, and the care products and care systems described therein must be used. KaVo recommends specifying a service interval at the dental office for a licensed shop to clean, service and check the functioning of the medical device. This service interval depends on the frequency of use and should be adjusted accordingly.

Service may only be carried out by KaVo-trained repair shops using original KaVo replacement parts.

### 2.2.1 Safety instructions: SONICflex tips

**⚠ CAUTION**

**Risk of injury and infection when changing the SONICflex tips.**
This can substantially endanger the user.

- To test, use and remove the SONICflex tips, use a glove or other finger protection.

**Note**

We recommend replacing the SONICflex tips every 9-12 months.

**Note**

Regularly check the wear of the tip with the tip test card (**Mat. no. 1.001.6958**).


The tips may break from continuous stress or damage (such as being dropped on the floor or being bent). Therefore, check the tip to see if it is safe before each use by applying a slight amount of pressure with your thumb or index finger.

- For an additional safety check, mechanically apply approx. 10 N (1 kg) to the tip without operating the device.

## 3 Product description


SONICflex quick 2008 (**Mat. no. 1.005.9311**)


SONICflex quick 2008 L (**Mat. no. 1.005.9310**)

The SONICflex is a dental handpiece that complies with ISO 15606. The vibration is generated by a rotating steel sleeve. In connection with the different KaVo tips, an oscillating elliptical tip movement is generated for the respective application. The internal water cooling (spray cooling) prevents the treatment field from heating up, and keeps the treatment surface clean.

**Note**

The device should be operated with the described operating pressure. After starting, the intensity can be regulated using the foot switch at maximum drive pressure.

## 3.1 Purpose – Intended use

**Purpose:**

This medical device is

- Only intended for dental treatment. Any other type of use or alteration to the product is impermissible and can be hazardous.
  The SONICflex can be used in conjunction with KaVo tips for plaque removal, prophylaxis, endodontics, periodontology, surgery and conservative dentistry.
- A medical device according to relevant national statutory regulations.

**Proper use:**

According to these regulations, this medical device may only be used for the described application by a knowledgeable user. The following must be observed:

- the applicable health and safety regulations
- the applicable accident prevention regulations
- these instructions for use

According to these regulations, it is the responsibility of the user to:

- only use equipment that is operating correctly,
- use the equipment for the proper purpose,
- protect him or herself, the patient and third parties from danger, and
- avoid contamination from the product.

## 3.2 Technical data

| | |
|---|---|
| Drive pressure | 2.5 (29) to 4.2 (44) bar (psi) |
| Air consumption | 20 – 40 NL/min |
| Water use | 30 - 50 ml/min |
| Frequency | 6 – 6.5 kHz |
| Recommended pressure | 0.1 - 2 N |

The SONICflex can be mounted on all MULTIflex couplings.

- Oscillation level 1 = 120 +/- 15 µm
- Oscillation level 2 = 160 +/- 15 µm
- Oscillation level 3 = 240 +/- 15 µm

**⚠ CAUTION**

**Observe the SONICflex recommended setting.**
Non-compliance with the recommendations can endanger the patient.

- When using level 3, the recommended settings must be observed.

### 3.3 Transportation and storage conditions

**⚠ CAUTION**

**It is hazardous to start up the medical device after it has been stored strongly refrigerated.**
This can cause the medical device to malfunction.

- Prior to start-up, very cold products must be heated to a temperature of 20°C to 25°C (68°F to 77°F).

| | |
|---|---|
|  | Temperature: -20°C to +70°C (-4°F to +158°F) |
|  | Relative humidity: 5% RH to 95% RH absence of condensation |
|  | Air pressure: 700 hPa to 1060 hPa (10 psi to 15 psi) |
|  | Protect from moisture |

# 4 First use

**⚠ WARNING**

**Hazard from nonsterile products.**
Infection danger to the care provider and patient.

- ▶ Before first use and after each use, prepare and sterilise the medical device if needed.

The SONICflex can be used in conjunction with KaVo tips for plaque removal, prophylaxis, endodontics, periodontology, surgery and conservative dentistry.
The amount of water needs to be set on the dental unit so that the instrument tip sprays the water with the proper oscillating intensity. It is important to remove all the plaque to ensure satisfactory oral hygiene and thorough periodontological treatment. The vibration cleaning of the SONIC-

flex is gentle, fast and easy to use. Using the neighbouring tooth for support makes the technique easier and and offers easier guidance. The instrument must be guided back-and-forth easily, gently and quickly. The instrument is placed on the side of the tooth and guided parallel to the tooth. The instrument should be moved parallel to the surface of the tooth and not the edge to prevent forming notches in the tooth substance. Professionals recommend polishing the tooth surface with the KaVo prophylaxis head using the provided rubber cup and a fine paste to improve the effect of caries prophylaxis.

## 4.1 Check the water volume

**⚠ CAUTION**

**Overheating of the tooth due to lack of cooling water.**
Thermal damage to the dental pulp.

- Adjust the water amount for the spray cooling to a minimum of 30 $cm^3$/min!

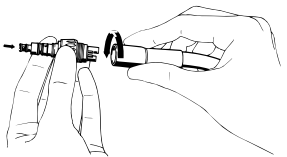
## 4.2 Connecting to devices

**⚠ CAUTION**

**Damage from soiled and moist cooling air.**
Contaminated and moist cooling air can cause malfunctions and lead to premature bearing wear.

- Make sure that the supply of cooling air is dry, clean and uncontaminated according to ISO 7494-2.

### 4.3 Attaching the MULTIflex and MULTIflex LUX coupling



- Screw the MULTIflex LUX/MULTIflex LED coupling onto the turbine hose and tighten with the wrench.

### 4.4 Check O-rings

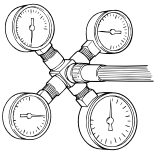
**⚠ CAUTION**

**Missing or damaged O-rings.**
Malfunctions and premature failure.

- Make sure that all O-rings are on the coupling and undamaged.

Number of available O-rings: 5

### 4.5 Check pressures



A minimum drive pressure of 2.5 bar (36 psi) is required for operating the SONICflex. A higher drive pressure will be reduced automatically inside the SONICflex. The air consumption is approximately 20-40 Nl/min. Insert the test manometer (**Mat. no. 0.411.8731**) between the MULTIflex coupling and the SONICflex.

Pressure displayed:

- Drive air T.R. 2.5 to 4.2 bar (36 to 61 psi)
- Return air R.L. < 0.4 bar (6 psi)
- Spray air Sp.L. = max. 2 (29) bar (psi)
  Spray air not required, however.
- - Water W.: 1.0 to 2.0 bar (15 to 29 psi)

# 5 Operation

## 5.1 Attaching SONICflex

**⚠ CAUTION**

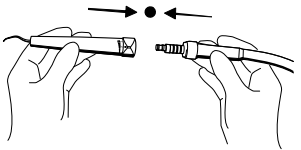
**Ensure that the SONICflex is tightly seated on the coupling.**
If the SONICflex unintentionally comes off the coupling during treatment, it can endanger the patient and user.

- ▶ Before each treatment, pull on the SONICflex to see if it is securely seated in the coupling.

**⚠ CAUTION**

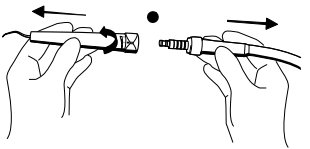
**Imprecise coupling especially during the afterglow period.**
Imprecise coupling can destroy the high-pressure bulb of a MULTIflex (LUX) coupling or reduce its life.

- ▸ Make sure that the coupling is precise.



- ▸ Place the SONICflex precisely on the MULTIflex/MULTIflex LUX coupling and push it to the rear until it locks audibly.

## 5.2 Removing SONICflex



- Hold the MULTIflex / MULTIflex LUX coupling tightly, and pull the SONICflex forward while twisting slightly.

## 5.3 Inserting SONICflex tip

**⚠ CAUTION**

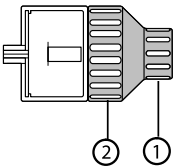
**Hazard from a tip which has been incorrectly inserted in the torque wrench.**
This may result in a risk of injury for the user.

- ▶ When inserting the tip into the torque spanner, make sure that the tip's end always faces into the opening of the torque spanner.

**Note**

In view of the substantial liability risks, we recommend using exclusively original KaVo SONICflex tips.

- Insert the desired tip with the tip end pointing down into the torque wrench and screw it into the handpiece by turning it clockwise.




The torque wrenches are for changing the working tips of the SONICflex and protect against injury. The torque wrench can be screwed in more quickly by holding it at the rear, thin grip area ①. The large diameter ② helps tighten and remove it.

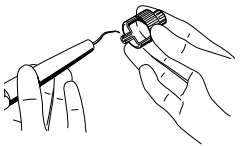
**Note**

The tip is properly gripped when the torque wrench slips.

**Note**

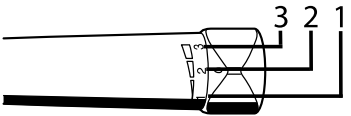
When the SONICflex is in the holder, the torque wrench should be placed on the tip to protect against injury.

## 5.4 Removing SONICflex tip



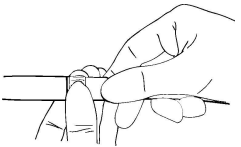
- Insert/attach the torque wrench in/on the SONICflex and unscrew the tip anticlockwise.

## 5.5 Power setting




Use the control ring of the SONICflex to set performance levels 1, 2, and 3.

## 5.6 Regulating spray



- Turn the spray ring on the MULITflex (LUX)/ MULTIflex LUX coupling in order to regulate the water content. The water volume can be regulated by selecting different stop positions.

Turn clockwise to reduce the water volume

and anticlockwise to increase the volume.

# 6 Preparation methods according to ISO 17664

**Note**

The following preparation procedure applies for the SONICflex instrument, torque wrench and nozzle needle.

## 6.1 Preparations at the site of use

**⚠ WARNING**

**Hazard from nonsterile products.**
There is a risk of infection from contaminated medical devices.

- ▸ Take suitable personal protective measures.

- ▸ Remove all residual cement, composite or blood without delay.

- The medical device must be dry when transporting it to the site of reprocessing.
- Do not place it in a solution or the like.
- Reprocess the medical device as soon as possible after treatment.

- Remove the tip from the SONICflex using the torque wrench.

## 6.2 Cleaning

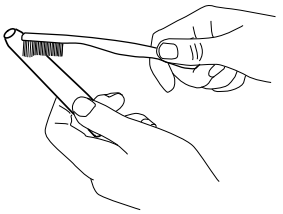
**⚠ CAUTION**

**Malfunctions from cleaning in the ultrasonic unit.**
Defects in the product.

- Only clean manually or in a thermodisinfector.

### 6.2.1 Cleaning: Manual cleaning - external

Accessories required:
- Tap water 30 °C ± 5 °C (86 °F ± 10 °F)
- Brush, e.g. medium-hard toothbrush



- ▸ Brush it off under running tap water using for example a medium-hard toothbrush.

- ▸ Prepare the tip according to the manufacturer's instructions for use.

### 6.2.2 Cleaning: Automated external cleaning

KaVo recommends thermodesinfectors in accordance with EN ISO 15883-1 that are operated with alkaline cleaning agents at a pH value of max. 10 (e. g. Miele G 7781 / G 7881 – validation was performed with the "VARIO-TD" program, "neodisher® mediclean" cleaning agent, "neodisher® Z" neutralisation agent and "neodisher® mielclear" rinsing agent and extends only to the compatibility of materials with respect to KaVo products).

- For program settings as well as cleansers and disinfectants to be used, please refer to the Instructions for Use of the thermodisinfector (complying with max. pH value of 10).

- In order to prevent negative effects on the medical device, make sure that the interior and the exterior of the medical device are dry, and then lubricate immediately with care agents from the KaVo care system.

### 6.2.3 Cleaning: Manual cleaning - internal

Can only be done with KaVo CLEANspray or KaVo DRYspray.

- Cover the medical device with the KaVo CLEANpac bag, and place it on the corresponding care adapter. Press the spray button three times for 2 seconds each time. Remove the medical device from the spray attachment and let the cleaner work for one minute.
- Afterwards, rinse for 3-5 seconds with KaVo DRYspray.

**See also:** KaVo CLEANspray / KaVo DRYspray Instructions for Use

**Note**

KaVo CLEANspray and KaVo DRYspray for manual interior cleaning are only available in the following countries:
Germany, Austria, Switzerland, Italy, Spain, Portugal, France, Luxembourg, Belgium, Netherlands, United Kingdom, Denmark, Sweden, Finland and Norway.
In other countries, only automated interior cleaning with thermodisinfectors in accordance with ISO 15883-1.

**Note**

Do not place the tips in the drill bit bath, as the fine capillaries would corrode badly, making it impossible to rinse them under running water.

### 6.2.4 Cleaning: Automated internal cleaning

KaVo recommends thermodesinfectors in accordance with EN ISO 15883-1 that are operated with alkaline cleaning agents at a pH value of max. 10 (e. g. Miele G 7781 / G 7881 – validation was performed with the "VARIO-TD" program, "neodisher® mediclean" cleaning agent, "neodisher® Z" neutralisation agent and "neodisher® mielclear" rinsing agent and extends only to the compatibility of materials with respect to KaVo products).

- For program settings as well as cleansers and disinfectants to be used, please refer to the Instructions for Use of the thermodisinfector (complying with max. pH value of 10).

- In order to prevent negative effects on the medical device, make sure that the interior and the exterior of the medical device are dry, and then lubricate immediately with care agents from the KaVo care system.

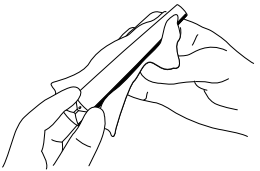
## 6.3 Disinfection

**⚠ CAUTION**

**Malfunctioning from using a disinfectant bath or disinfectant containing chlorine.**
Defects in the product.

- Only disinfect in a thermodisinfector or manually.

### 6.3.1 Disinfection: Manual disinfection - external



KaVo recommends the following products based on material compatibility. The microbiological efficacy must be ensured by the disinfectant manufacturer.

- Mikrozid AF Liquid made by Schülke & Mayr
- FD 322 made by Dürr
- CaviCide made by Metrex

Consumables required:
- Cloths for wiping off the medical device.

- Spray the disinfectant on a cloth, then thoroughly wipe down the medical device and leave the disinfectant to soak in according to the instructions from the disinfectant manufacturer.
- Follow the instructions for use of the disinfectant.

### 6.3.2 Disinfection: Manual disinfection - internal

The efficacy of manual internal disinfection must be demonstrated by the manufacturer of the disinfection agent. With KaVo products, use only disinfection agents that have been released by KaVo with respect to the compatibility of materials (e.g. WL-cid / made by ALPRO).

- Immediately after internal disinfection, lubricate the KaVo medical device immediately with care agents from the KaVo care system.

### 6.3.3 Disinfection: Machine disinfection - external and internal

KaVo recommends thermodesinfectors in accordance with EN ISO 15883-1 that are operated with alkaline cleaning agents at a pH value of max. 10 (e. g. Miele G 7781 / G 7881 – validation was performed with the "VARIO-TD" program, "neodisher® mediclean" cleaning agent, "neodisher® Z" neutralisation agent and "neodisher® mielclear" rinsing agent and extends only to the compatibility of materials with respect to KaVo products).

- For program settings as well as cleansers and disinfectants to be used, please refer to the Instructions for Use of the thermodisinfector (complying with max. pH value of 10).

- In order to prevent negative effects on the medical device, make sure that the interior and the exterior of the medical device are dry, and then lubricate immediately with care agents from the KaVo care system.

## 6.4 Drying

### Manual Drying

- Blow off the outside and inside with compressed air until water drops are no longer visible.

### Automatic Drying

The drying procedure is normally part of the disinfection program of the thermodisinfector.

- Follow the instructions for use of the thermodisinfector.

## 6.5 Care products and systems - Servicing

**⚠ CAUTION**

**Premature wear and malfunctions from improper servicing and care.**
Reduced product life.

- Perform proper care regularly!

**Note**

KaVo only guarantees that its products will function properly when the care products used are those listed as accessories, as they were tested for proper use on our products.

**Note**

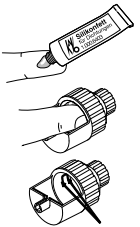
If you are bothered by some oil leaking during the treatment, the technical set-up allows for switching from servicing with oil prior to sterilisation to once weekly servicing.

### 6.5.1 Care products and systems - Servicing: Torque wrench care

**⚠ CAUTION**

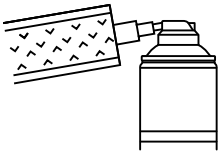
**Malfunctions from cleaning in the ultrasonic unit.**
Defects in the torque wrench.

- ▶ Do not place the torque wrench in ultrasonic cleaning devices.




If the torque wrench runs roughly, it should be lubricated with silicone grease (**Mat. no. 1.000.6403**). The silicone grease is pressed into the torque wrench in the slots or grease pockets of the locking springs. Then place a small amount of grease on your fingertip, and press it into the torque wrench at the indicated location (see arrow). Then rotate the torque wrench and regrease if necessary.

### 6.5.2 Care products and systems - Servicing: Care with KAVOspray

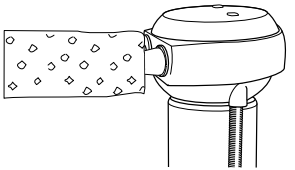


KaVo recommends servicing the product once per week.

- ▸ Remove tip.

- ▸ Cover the product with the Cleanpac bag.
- ▸ Place the product on the cannula, and press the spray button for one second.

### 6.5.3 Care products and systems - Servicing: Care of the KaVo SPRAYrotor



KaVo recommends servicing the product once per week.

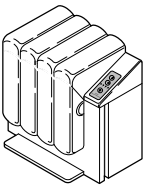
- ▸ Remove tip

- ▸ Place the product on the appropriate coupling of the **KaVo SPRAYrotor** and cover it with a Cleanpac bag.
- ▸ Servicing the product.

**See also:** Instructions for use **KaVo SPRAYrotor**

### 6.5.4 Care products and systems - Servicing: Care with KaVo QUAT-TROcare

Cleaning and care unit with expansion pressure for effective cleaning and care.



KaVo recommends servicing the product once per week.

- ▸ Remove the tip.

- Servicing the product.

**See also:** Instructions for use **KaVo QUATTROcare**

## 6.6 Packaging

**Note**

The sterilisation bag must be large enough for the handpiece so that the bag is not stretched.
The quality and use of the sterilisation packaging must satisfy applicable standards and be suitable for the sterilisation procedure!

- Individually weld the medical device in the sterilised item packaging (such as KaVo STERIclave bags **Mat. no. 0.411.9912**)!

## 6.7 Sterilisation

**Sterilisation in a steam sterilisor (autoclave) in accordance with EN 13060 / ISO 17665-1 (e.g. KaVo STERIclave B 2200 / 2200 P)**

**⚠ CAUTION**

**Premature weary and malfunctions from improper servicing and care.**
Reduced product life.

- ▶ Before each sterilisation cycle, service the medical device with KaVo care products. However, if over-oiled, the SONICflex will differ from the guidelines.

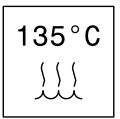
**⚠ CAUTION**

**Contact corrosion due to moisture.**
Damage to product.

- Immediately remove the product from the steam steriliser after the sterilisation cycle!

**Note**

Remove the tips to be sterilized and dry the medical device.




The KaVo medical device has a maximum temperature resistance up to 138 °C (280.4 °F).

(Depending on the available autoclave,) select a suitable procedure from the following sterilisation processes:

- Autoclave with three times initial vacuum:
  - at least 3 minutes at 134 °C -1 °C / +4 °C (273 °F -1.6 °F / +7.4 °F)
- Autoclave using the gravitation method:
  - at least 10 minutes at 134 °C -1 °C / +4 °C (273 °F -1.6 °F / +7.4 °F) or alternatively
  - at least 60 minutes at 121 °C -1 °C / +4 °C (250 °F -1.6 °F / +7.4 °F)

## 6.8 Storage

Prepared products must be stored, protected from germs (as far as possible) and dust, in a dry, dark, cool room.

- Comply with the expiry date of the sterilised items.

## 7 Tools

Obtainable from the dentalmed. specialist supplier

| Material summary | Mat. no. |
|---|---|
| Instrument stand 2151 | 0.411.9501 |
| Cellulose pad 100 units | 0.411.9862 |
| Cleanpac 10 units | 0.411.9691 |
| Torque wrench | 1.000.4887 |
| Coupling | 1.006.5966 |
| Open-ended wrench | 0.411.0892 |
| Silicone grease | 1.000.6403 |
| Nozzle needle | 0.410.0911 |
| Insert for SONICflex | 0.411.9902 |

| Material summary | Mat. no. |
|---|---|
| KaVo CLEANspray 2110 P | 1.007.0579 |
| KaVo DRYspray 2117 P | 1.007.0580 |
| KaVo Spray 2112 A | 0.411.9640 |
| ROTAspray 2 2142 A | 0.411.7520 |
| QUATTROcare plus Spray 2140 P | 1.005.4525 |
| STERIclave bags | 0.411.9912 |

| No. | Tip type | Mat. no. |
|---|---|---|
| 5A | Universal scaler | **Mat. no. 1.005.8949** |
| 6A | Crescent scaler | **Mat. no. 1.005.8950** |
| 7A | Perio scaler | **Mat. no. 1.005.8951** |
| 8A | Perio extra long scaler | **Mat. no. 1.006.1953** |
| 12A | Cem | **Mat. no. 1.006.2021** |
| -- | Cem attachment | **Mat. no. 0.571.7142** |
| 16A | Retro cylinder, left | **Mat. no. 1.006.2036** |

| No. | Tip type | Mat. no. |
|---|---|---|
| 17A | Retro cylinder, right | **Mat. no. 1.006.2035** |
| 20A | Retro T-shape left | **Mat. no. 1.006.2037** |
| 21A | Retro T-Form undercut | **Mat. no. 1.006.2038** |
| 24A | Root planer, button, small left | **Mat. no. 1.006.1957** |
| 25A | Root planer, button, small right | **Mat. no. 1.006.1959** |
| 26A | Root planer, button, small universal | **Mat. no. 1.006.1961** |
| 27A | Root planer, button, large perio | **Mat. no. 1.006.1963** |
| 28A | Micro Torpedo shape mesial | **Mat. no. 1.006.1965** |
| 29A | Micro Torpedo shape distal | **Mat. no. 1.006.1967** |
| 30A | Micro small, hemispherical mesial | **Mat. no. 1.006.1969** |
| 31A | Micro small, hemispherical distal | **Mat. no. 1.006.1971** |

| No. | Tip type | Mat. no. |
|---|---|---|
| 32A | Micro large, hemispherical mesial | **Mat. no. 1.006.1973** |
| 33A | Micro large, hemispherical distal | **Mat. no. 1.006.1975** |
| 34A | Prep CAD-CAM mesial | **Mat. no. 1.006.1977** |
| 35A | Prep CAD-CAM distal | **Mat. no. 1.006.1979** |
| 42A | Cariex D 0.8, D 64 | **Mat. no. 1.006.1980** |
| 43A | Cariex D 1.2, D 64 | **Mat. no. 1.006.1981** |
| 45A | Seal conical, D 46 | **Mat. no. 1.007.1503** |
| 48A | Clean (brush holder) | **Mat. no. 1.006.1982** |
| -- | Clean brush no. 1 Refill | **Mat. no. 1.004.4125** |
| -- | Clean brush no. 2 Refill | **Mat. no. 1.004.4126** |
| -- | Clean brush no. 3 Refill | **Mat. no. 1.004.4127** |
| -- | Clean brush no. 4 Refill | **Mat. no. 1.004.4128** |
| -- | Clean brush no. 5 Refill | **Mat. no. 1.004.4129** |

| No. | Tip type | Mat. no. |
|---|---|---|
| -- | Clean brush no. 6 Refill | **Mat. no. 1.004.4130** |
| 49A | Prep gold mesial | **Mat. no. 1.006.1983** |
| 50A | Prep gold distal | **Mat. no. 1.006.1984** |
| 51A | Prep ceram mesial | **Mat. no. 1.006.1985** |
| 52A | Prep ceram distal | **Mat. no. 1.006.1986** |
| 55A | Retro anterior tooth | **Mat. no. 1.006.2039** |
| 56A | Retro finder left | **Mat. no. 1.006.2040** |
| 57A | Retro finder right | **Mat. no. 1.006.2041** |
| -- | Retro plug left | **Mat. no. 0.571.5601** |
| -- | Retro plug right | **Mat. no. 0.571.5611** |
| 58A | Bevel mesial | **Mat. no. 1.006.1988** |
| 59A | Bevel distal | **Mat. no. 1.006.1990** |
| 60A | Paro straight | **Mat. no. 1.006.1934** |
| 61A | Paro left | **Mat. no. 1.006.1935** |
| 62A | Paro right | **Mat. no. 1.006.1936** |

| No. | Tip type | Mat. no. |
|---|---|---|
| 66A | Endo button large 117° | **Mat. no. 1.006.1992** |
| 67A | Endo conical 125° | **Mat. no. 1.006.1994** |
| 68A | Endo conical 112° | **Mat. no. 1.006.1996** |
| 69A | Endo button small 117° | **Mat. no. 1.006.1998** |
| 70A | Endo conical 117° | **Mat. no. 1.006.2000** |
| 71A | Cariex TC 1.0 | **Mat. no. 1.006.2002** |
| 72A | Cariex TC 1.4 | **Mat. no. 1.006.2004** |
| 80A | Bone square cutting | **Mat. no. 1.006.2006** |
| 81A | Bone sphere large, D 46 | **Mat. no. 1.006.2008** |
| 82A | Bone sphere large | **Mat. no. 1.006.2010** |
| 83A | Bone saw sagittal | **Mat. no. 1.006.2012** |
| 84A | Bone saw axial | **Mat. no. 1.006.2014** |
| 85A | Bone elephant foot | **Mat. no. 1.007.1624** |
| 86A | Bone scaler | **Mat. no. 1.007.1625** |
| 87A | Bone saw blade | **Mat. no. 1.007.1626** |

| No. | Tip type | Mat. no. |
|---|---|---|
| -- | Bone saw blade refill | **Mat. no. 1.006.1405** |
| -- | Implant set | **Mat. no. 1.006.2027** |
| -- | Implant pin refill | **Mat. no. 1.003.8168** |
| -- | Swing set | **Mat. no. 1.007.1142** |
| -- | Swing 015 refill | **Mat. no. 1.006.2042** |
| -- | Swing 020 refill | **Mat. no. 1.006.2043** |
| -- | Swing 025 refill | **Mat. no. 1.006.2044** |
| 96 A | Endo clean needle holder | **Mat. no. 1.008.5164** |
| -- | Endo clean needle white (015) | **Mat. no. 1.006.2042** |
| -- | Endo clean needle yellow (020) | **Mat. no. 1.006.2043** |
| -- | Endo clean needle red (025) | **Mat. no. 1.006.2044** |
| 97 A | Prep crown round | **Mat. no. 1.008.6384** |
| 98 A | Prep crown plain | **Mat. no. 1.008.6386** |

## 8 Terms and conditions of warranty

The following warranty conditions apply to this KaVo medical device:

KaVo provides the end customer with a warranty of proper function and guarantees zero defects in respect of material and processing for a period of 24 months from the date of the invoice, subject to the following conditions:
In case of justified complaints, KaVo will honour its warranty with a free replacement or repair. Other claims of any nature whatsoever, in particular with respect to compensation, are excluded. In the event of default, gross negligence or intent, this shall only apply in the absence of mandatory legal regulations to the contrary.
KaVo shall not be liable for defects and their consequences that have arisen or may arise from natural wear, improper handling, cleaning or maintenance, non-compliance with operating, maintenance or connection instructions, calcination or corrosion, contaminated air or water supplies

or chemical or electrical factors deemed abnormal or impermissible in accordance with KaVo's instructions for use or other manufacturer's instructions. The warranty granted does not usually extend to lamps, light conductors made of glass and glass fibres, glassware, rubber parts, and the colourfastness of plastic parts.
All liability is excluded if defects or their consequences originate from manipulations or changes to the product made by the customer or a third party that is not authorised by KaVo.
Warranty claims will only be accepted if the product is submitted along with proof of purchase in the form of a copy of the invoice or note of delivery. The dealer, purchase date, type, and serial number must be clearly evident from this document.

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