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 potential consequences of non-compliance. ▶ 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 lead to death or fatal injury.

⚠ DANGER

DANGER
indicates a maximal hazard due to a situation that can directly cause death or fatal 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

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 non-use.

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 in accordance with ISO 15606. The vibrations are generated by a rotating steel sleeve. In combination with the different KaVo tips, an oscillating elliptical tip motion 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 – 4.2 bar (29 – 44 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 (LUX)** / **MULTIflex LED** 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 Start up and shut down

⚠ 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.

⚠ WARNING

Disposal of the product in the appropriate manner.
Prior to disposal, the product must be appropriately prepared or sterilised if this is necessary.

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 SONICflex 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 Checking the amount of water

⚠ 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!

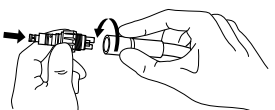
4.2 Connecting to devices

⚠ CAUTION

Damage from contaminated and moist cooling air.
Contaminated and moist cooling air can cause malfunctions.

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

4.3 Mounting the MULTIflex (LUX) / MULTIflex LED coupling



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

4.4 Check O-rings

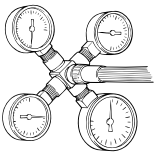
⚠ CAUTION

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**. Any higher drive pressure will be reduced automatically in the **SONICflex**. The air consumption is approximately 20 to 40 Nl/min. Insert test gauge (**Mat. no. 0.411.8731**) between the **MULTIflex (LUX)** / **MULTIflex LED** 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

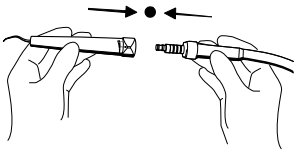
Ensure that the SONICflex is tightly seated on the coupling.
If the SONICflex unintentionally comes off the coupling during treatment, it can endanger the patient and user.

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

⚠ CAUTION

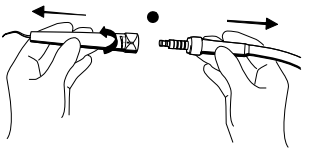
Inaccurate coupling especially during the afterglow period.
Inaccurate coupling can destroy the high-pressure lamp of a **MULTIflex (LUX)** / **MULTIflex LED** coupling or reduce its service life.

- ▸ Make sure that the coupling is accurate.



- ▸ Place the SONICflex properly on the **MULTIflex (LUX)** / **MULTIflex LED** coupling and push it to the rear until it locks audibly.

5.2 Removing SONICflex



- Holding the MULTIflex (LUX)/ MULTIflex LED coupling, pull the SONICflex forward while twisting slightly.

5.3 Inserting SONICflex tip

⚠ CAUTION

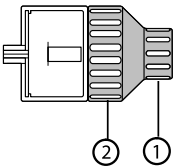
Hazard from a tip which has been incorrectly inserted in the torque wrench.
This may result in a risk of injury for the user.

- ▶ 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.

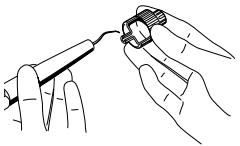
Note

The tip is properly gripped when the torque wrench slips.

Note

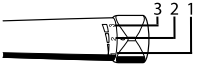
When the SONICflex is in the holder, the torque wrench should be placed on the tip to protect against injury.

5.4 Removing SONICflex tip



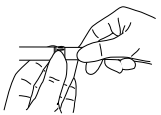
- Insert/attach the torque wrench in/on the SONICflex and unscrew the tip anticlockwise.

5.5 Power setting



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

5.6 Regulating spray



- Rotate the spray ring on the **MULTIflex (LUX)** / **MULTIflex LED** coupling in order to regulate the fraction of water. The water volume can be regulated by selecting different stop positions.

Turn clockwise to reduce the water volume.
Turn counterclockwise to increase the water 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.

- Reprocess the medical device as soon as possible after treatment.
- The medical device must be dry when transported for reconditioning.
- Do not place it in a solution or similar.

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

6.2 Cleaning

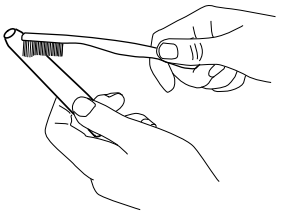
⚠ CAUTION

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 thermodisinfectors in accordance with ISO 15883-1, which are operated with alkaline cleaning agents with a pH value of max. 10 (e.g. Miele G 7781 / G 7881 – Validation was carried out with programme "VARIO-TD", cleaning agent "neodisher® mediclean", neutralisation agent "neodisher® Z" and rinsing agent "neodisher® mielclear" and only applies to the material compatibility with 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 of the inside

Not applicable.
This product is suitable for automated cleaning only.

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 thermodisinfectors in accordance with ISO 15883-1, which are operated with alkaline cleaning agents with a pH value of max. 10 (e.g. Miele G 7781 / G 7881 – Validation was carried out with programme "VARIO-TD", cleaning agent "neodisher® mediclean", neutralisation agent "neodisher® Z" and rinsing agent "neodisher® mielclear" and only applies to the material compatibility with 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.

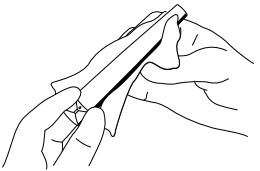
6.3 Disinfection

⚠ 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.

- 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

Not applicable.
This product is suitable for automated disinfection only.

6.3.3 Disinfection: Machine disinfection - external and internal

KaVo recommends thermodisinfectors in accordance with ISO 15883-1, which are operated with alkaline cleaning agents with a pH value of max. 10 (e.g. Miele G 7781 / G 7881 – Validation was carried out with programme "VARIO-TD", cleaning agent "neodisher® mediclean", neutralisa-

tion agent "neodisher® Z" and rinsing agent "neodisher® mielclear" and only applies to the material compatibility with 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

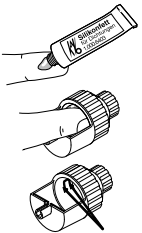
If you are bothered by some oil leaking during the treatment, the technical set-up allows for switching from servicing with oil prior to sterilisation to once weekly servicing.

6.5.1 Care products and systems - Servicing: Torque wrench care

⚠ CAUTION

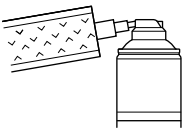
Malfunctions from cleaning in the ultrasonic unit.
Defects in the torque wrench.

- 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: Servicing with KaVo Spray

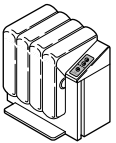


KaVo recommends servicing the product once per week.

- ▸ Remove tip.
- ▸ Cover the product with the Cleanpac bag.
- ▸ Plug the product onto the cannula, and press the spray button for one second.

6.5.3 Care products and systems - Servicing: Servicing with KaVo QUATTROcare 2104 / 2104A

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

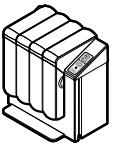


KaVo recommends servicing the product once per week.

- Remove the tip.
- Servicing the product.

See also: Instructions for use **KaVo QUATTROcare 2104 / 2104A**

6.5.4 Care products and systems - Servicing: Servicing with KaVo QUATTROcare PLUS



KaVo recommends servicing the product once per week.

- ▸ Remove tip.
- ▸ Servicing the product in QUATTROcare PLUS.

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

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 seal the medical device in the sterilised item packaging.

6.7 Sterilisation

Sterilisation in a steam steriliser (autoclave) in accordance with ISO 17665-1

⚠ 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).

Select a suitable procedure (depending on the available autoclave) from the following sterilisation processes:

- Autoclave with pre-vacuum:
  - at least 3 minutes at 134 °C -1 °C / +4 °C (273 °F -1.6 °F / +7.4 °F)
    Drying time: 20 min.
- Autoclave using the gravity method:
  - at least 10 minutes at 134 °C -1 °C / +4 °C (273 °F -1.6 °F / +7.4 °F) or alternatively
    Drying time: 30 min.
  - at least 60 minutes at 121 °C -1 °C / +4 °C (250 °F -1.6 °F / +7.4 °F)
    Drying time: 30 min.

▸ Use according to the manufacturer's Instructions for Use.

6.8 Storage

- Reprocessed products should be stored protected from dust with minimum exposure to germs in a dry, dark and cool space.
- Comply with the expiry date of the sterilised items.

7 Tools and consumables

Available from dental suppliers.

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

No.	Tip type	Mat. no.
5A	Universal scaler	**Mat. no. 1.005.8949**
6A	Sickle 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**
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**

No.	Tip type	Mat. no.
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**
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**

No.	Tip type	Mat. no.
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**
-	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**

No.	Tip type	Mat. no.
-	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**
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 ball large, D 46	**Mat. no. 1.006.2008**

No.	Tip type	Mat. no.
82A	Bone ball 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**
-	Bone saw blade refill	**Mat. no. 1.006.1405**
-	Implant set	**Mat. no. 1.006.2027**
-	Implant pin refill	**Mat. no. 1.003.8168**
-	Endo clean Set	**Mat. no. 1.007.1142**
-	Endo clean 015 Refill	**Mat. no. 1.006.2042**
-	Endo clean 020 Refill	**Mat. no. 1.006.2043**
-	Endo clean 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**

No.	Tip type	Mat. no.
-	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**

Only for the USA

Material summary	Mat. no.
KaVo Spray America 2113 A	0.411.9660
QUATTROcare plus Spray America 2141 P	1.005.4524

Only for Canada

Material summary	Mat. no,
KaVo Spray Canada 2114 A	0.411.9680
QUATTROcare plus Spray Canada 2149 P	1.005.4523

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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