MM K-Files, MM H-Files, MM K-Reamers

30006391-A-Ris

en - Catheterisation and root canal shaping

Instruction for use

FN

1. Indication

Non-surgical root canal treatment for:

-An irreversibly damaged or necrotic pulp

-Elective devitalization

Intended use: The medical devices (MM K-Files, MM H-Files, MM K-Reamers) are used for manual catheterism (n°006 to 015) and root canal shaping (all other diameters) during a non-surgical endodontic treatment. K-Files 008 and 010 are also used in the exploration, initial penetration and root canal permeabilization.

Intended user: For use by dental professionals only.

Intended patient population:

All patients, except:

-Patient which presents a contraindication below

2. Contraindications

A non-surgical treatment is not indicated for:

-Teeth that cannot be made functional nor restored.

-Teeth with insufficient periodontal support

-Teeth with poor prognosis, uncooperative patients or patients where dental treatment procedures cannot be undertaken

-Teeth of patients with poor oral condition that cannot be improved with

Precaution to be taken with patient with risk of endocarditis heart

The decision to use the endodontic instrument must be relayed to the expertise of the clinical case, particularly if a root canal anatomy is considered to be too complex or in case of young patient.

3. Complications

In cases of complex canal anatomy, per-operative risks (instrumental breakage, ledge, stripping, zipping, false path, perforation, etc.) could occur and lead to a risk of infectious processes.

4. Warnings/precautions

Type 1 manual instruments according to EN ISO 3630-1:2019 Materials of the operative part: Stainless steel Non-sterile devices

Diameter	Maximum recommended number of uses (if the file is not visually damaged)
All diame- ters	2

•Respect the good dental practice in particular by using a dental dam

Keep present UDI and packaging information until the last use.

•Do not use if doubt on the respect of storage conditions.
•In case of doubt concerning the product identification, do not use.

•Check the condition of the instrument's blade and its fit with the handle before use. If the instrument is damaged or shows signs of wear, do not use it.

Inform the manufacturer and the national regulatory authority of any

serious incident relating to the instrument. •Be sure to respect the maximum recommended number of uses

•Follow the reprocessing instructions (§6) before first use and reuse.

Medical device class according to MDR 2017/745; I.

There are no specific clinical claims for the devices other than the achievement of the indication for use that corresponds to paragraph

6. Reprocessing instructions

MediZvm) Small soft brushes

Container

Ultrasonic tub or washer-disinfector

(initial treatment, cleaning or rinsing).

Class B sterilization apparatus according to EN ISO 17665. Remark: All material used should be cleaned and replaced regularly. Identify material used for each step of the process

General	 For your own safety, please wear personal protective equipment (gloves, glasses and mask). Do not use cleaning or disinfecting agents containing phenol, aldehyde and alkaline composition. Always respect the instructions for use provided by the manufacturer of the products.
Limitations on reprocessing	Due to the product design and the materials used, no definite limit to the maximum number of performable processing cycles can be specified. The service life of the medical devices is determined by their function and careful handling. Multiple use disinfection and re-sterilization cycles may lead to increased risk of file separation. The user must ensure that the processing method used, including resources, materials and personnel, is appropriate and meets the applicable requirements. The state of the art and national laws require that validated procedures be followed.
pə	Gloves, masks, gown, dental dam, as recommended by the cleaning agents manufacturers Running Tap water, deionized water or purified water according to European Pharmacopoeia Cleaning agent (neodisher* Septo Active and neodisher*

Initial treatment

Place used products in a container or a wipe with running water at 20-40 °C and 1.0 % neodisher® Septo Active for 5 to 15 min. Rinse the products with running tap water at 20-40

If there is time before the next step, make sure the device remains moist by placing it in a wet wipe. Do not exceed 1 hour.

•Do not use fixing agents or hot water (> 40 °C), as this causes fixation of residues and can impair successful cleaning.

•Follow instructions and respect the concentrations and immersion times given by the manufacturer (an excessive concentration may cause corrosion or other defects on devices).

Preparation before cleaning

If there are visible impurities on a device, it is recommended to manually pre-clean by brushing under running tap water at 20-40°C for at least 1 min with a soft brush until all impurities have been removed.

Remark: Follow instructions and respect concentrations and immersion times given by the manufacturer (an excessive concentration may cause corrosion or others defects on devices).

Inspect the used products and discard damaged products (broken, untwisted or abnormally bent).

Insert the products into an ultrasound apparatus beaker.

Run ultrasound apparatus for 10-15 min with deionized water and 0.5-2.0% neodisher® MediZym.

Remarks: Follow instructions, observe water quality, concentrations and cleaning time specified by the manufacturer of the cleaning solution

Rinse the products with purified water according to European Pharmacopoeia at 20-40°C for 1 min.

Remark: It is recommended to use deionized water

Dry the products with compressed air until products visibly dried.

Cleaning/Rinsing/Drying

Place the instruments in the tray of the on the slide-in trolley of the washer/disinfector. Ensure that the cleaning agent and water can reach all area of the instrument's blade. Pre-cleaning: cold tap water, 4 min

Run cleaning cycle with 0,5-1,0% neodisher® MediZym at 50°C for 10min Final rinsing with purified water according to

European Pharmacopoeia for 3 min Perform drying

Remarks:

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- Follow instructions and concentrations given by the manufacturer of the deteraent solution.
- Follow the instructions of the washer-disinfector and verify the success criteria after each cycle have been met as stated by the manufacturer.
- Use only approved washers-disinfectors ac cording to EN ISO 15883, maintained and validated regularly.

Inspect the used products. -do steps 4-5-6 if the product is visibly not clean or discard any damaged products.

Packaging

Place the instruments in a paper-plastic pouch for steam sterilization in compliance with ISO 11607 and EN 868 standards

Seal the pouches as recommended by of the pouch manufacturer. If a thermo-sealer is used, the process must be validated and the thermo-sealer must be calibrated and aualified.

Sterilize the products with steam vapor The following sterilization cycles can be used: Apparatus: class B

- •132°C (269,6°F), 4 min •134°C (273,2°F), 3 min
- •134°C (273,2°F), 18 min •Minimum drying: 20 min

Control the physico-chemical indicators and cycle parameters.

We recommend a steam sterilization at 134°C and duration of 18 min for prion inactivation according to French regulations.

- · When sterilizing multiple instruments in one autoclave cycle, ensure that the sterilizer's maximum load is not exceeded.
- Place the pouches in the steam sterilizer according to the recommendations given by the sterilizer manufacturer.
- Use only a pre-vacuum air removal steam sterilizer that meets the requirements of EN 13060 (class B, small sterilizer) and EN 285 (full-size sterilizer), with saturated steam.
- Use only validated sterilizer according to EN ISO 17665, maintained and validated reaularly.

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Store the products in a dry, clean and dustfree environment at the temperature specified by the paper-plastic pouch by the steam sterilization manufacturer.

Remark: Check the packaging and the medical devices before using them (packaging integrity, no humidity and use-by date). In case of da-mage, a complete rerun should be performed.

7. Storage and transport conditions

Keep away from sunlight and keep dry.

Keep the initial packaging close until the reprocessing step (§6)

Close immediately the initial packaging after removing an instrument.

After use, instruments must be placed in a secure container, used to collect cutting or sticking instruments (like needles or disposable bistouries) as per good dentistry practices.

NON STERILE	Non-sterile	M	Root canal preparation
漆	Keep away from sunlight		Assortment when applicable
*	Keep dry	LOT	Batch code
UDI	Unique device identifier	REF	Catalogue number
	Quantity		Consult instructions for use
(SSt)	Stainless steel device	MD	Medical device
***	Legal manufacturer		Date of manufacture
	K-Reamers		H-Files
	K-Files		Distributor
134℃ ∭	Sterilizable in a steam sterilizer (autoclave) at the temperature specified	R _X Only	Restricted device for professional use only

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2, rue du Tunnel – 25000 BESANCON – FRANCE T +33 3 81 54 42 42 F +33 3 81 54 42 30

www.micro-mega.com

