

K-Files / K-Reamers / H-Files / MME / MMC / H-Files Prime Line / K-Reamers Prime line / K-Files Prime Line

en – Catheterisation and root canal shaping

Instructions for use EN

1. **Indication**
Non-surgical root canal treatment for:
-An irreversibly damaged or necrotic pulp
-Elective devitalization

Intended use: The medical devices (K-Files, Hedstrom Files, K-Reamers) are used for manual catheterism (n°008 to 015) and root canal shaping (all other diameters) during a non-surgical endodontic treatment. The instrument 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 a reasonable period.

Precaution to be taken with patient with risk of endocarditis heart disease.

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. **Characteristics and warnings**

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

Ø	Maximum recommended number of uses (if the file is not visually damaged)
< 020	2
≥ 020	5

-Respect the good dental practice in particular by using a dental dam and gloves.

-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: Ir.

5. **Clinical claims**

There are no specific clinical claims for the devices other than the achievement of the indication for use that corresponds to paragraph 1.

6. **Reprocessing instructions**

General recommendations	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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-sterilisation cycles may lead to increased risk of file separation. The user must ensure that the processing method used, including re-sources, materials and personnel, is appropriate and meets the applicable requirements. The state of the art and national laws require that validated procedures be followed.
Material needed	<ul style="list-style-type: none"> 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® MediZym) Small soft brushes Container Ultrasonic tub or washer-disinfector Class B sterilization apparatus according to EN ISO 17665. <p>Remark: All material used should be cleaned and replaced regularly. Identify material used for each step of the process (initial treatment, cleaning or rinsing).</p>

1	manual	Initial treatment		
		Preparation before cleaning		
		Visual inspection		
4	manual	Cleaning		
		Rinsing		
		Drying		
		4	automatic	Cleaning/Rinsing/Drying
				Visual inspection
				Packaging
9	automatic	Sterilisation		
		Storage		
		10		

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.
8. **Disposal**
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.
9. **Symbols**

	Stainless steel material		Root canal preparation
	Quantity		Sterilizable in a steam sterilizer (autoclave) at the temperature specified
	Non-sterile		Assortment
	Keep away from sunlight		Batch code
	Keep dry		Medical device
	Legal manufacturer		Date of manufacture
	Distributor		Catalogue number
	Unique Device Identifier		Consult instructions for use

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Micro-Mega SA
12, rue du Tunnel – 25000 BESANCON – FRANCE

