

NiTi files manufactured by EDM



Features

- Outstanding flexibility
- Abrasive surface
- Hardened surface

Benefits

- High resistance to fracture
- High cutting efficiency
- Respect of the canal anatomy (no transportation, no ledging)
- Suitable for difficult canals (thin, curved, calcified)
- Anti-screwing effect
- Possible precurving to negociate a difficult access or a ledge
- Allows endodontic treatment or retreatment

NEOLIX

New feeling in endodontics

Neolix is **ISO 13485** certified Neolix instruments are Class IIa medical devices certified by GMED notified body (**CE 0459**)

Safe, Simple & Smart

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Environment friendly

Made in France

NEGLIX



Thanks to our EDM process

Our innovative and proprietary EDM process (Electric Discharge Machining or electro-erosion) consists of high-power and high frequency electric sparks between a hair-thin metal cutting wire and the in-process Nickel Titanium wire. This leads to locally melting and evaporating the Nickel Titanium alloy material off the NiTi wire, resulting in NiTi files with a desired geometry.

EDM has built-in advantages versus the conventional grinding process:

- The cutting wire (tool) is constantly renewed, preventing any risk of geometrical deviation due to a used tool.
- There is no mechanical contact between the electric cutting wire and the NiTi file, reducing the NiTi alloy stress hence the outcome of microcracks.
- EDM is performed in pure water in a closed-circuit and is free of oil, aerosols and organic solvents. As a result, EDM process respects the operator's health and the environment.

Thanks to our EDM process, NEONITI features an Outstanding Flexibility, an Abrasive and Hardened Surface resulting in benefits such as High Cutting Efficiency, Resistance to Fracture, Respect of the Natural Canal Anatomy, and more.

NEOLIX is a French startup industrial company founded in 2009, fully dedicated to its innovative and patented EDM process. NEOLIX is the worldwide only manufacturer to master EDM for Endodontics.



Jesign information

21mm / 25mm

Soft Tip

18mm +

20mn

22mm

24m

12mm

add a

Recommended use

- Crown down techniaue
- Continuous rotation
- Speed 300 500 rpm
- Torque limit 1.5 N. cm
- Constantly irrigate
- Frequently wipe the file

Filling the canal

We generally recommend to use ISO size Gutta Percha points.

For further information

Please refer to the instruction manual.

	0	GPS	# R 1
SIZE	25	15	20
TAPER	.12 -	.03 -	.04 .06

25/.04

LENGTH 15mm _____ 21mm, 25mm & 31mm -Dual-tone stopper allows to identify size & taper.

25/.06

25

.04

06

30

.04

40

.04

Packaging



For more information, please refer to the product list.







Max Efficiency Max Safety Max Respect

Max your Endo !

Streaked cutting edges
High cutting efficiency
Prevents screwing effect



Non-rectangular variable parallelogram cross-section > Sharp cutting edges

Two-tone ring replicate of stopper > Visual identification constantly possible even while in use without stopper

Size & taper laser marking > S e c u r e d identification Highly flexible NiTi alloy

Resistance to breakage
Respect of canal anatomy
Possible pre-curving

Hardened and abrasive surface > Efficient wall brushing

> Suitable for endo and re-endo

Doubled depth marks > Enhanced visibility

Two-tone silicone stopper ISO main color + 2nd color stripe > Size & taper visual i d e n t i f i c a t i o n

Batch no. laser marking Traceability at the file level

EDMax	Product F	Range		
	Size/Taper	Stopper color code		10- 20- 23-
Opener	20/.10	Translucent	20/.10	20.0 20.0 20.0 Annu annu annu
Glide path	15/.03	ISO white	■ <mark>15/.03</mark>	shortbent Paper Points EDMag
Shaper	20/.04	ISO yellow + green		NEOLX Watermarking (E.w.
	20/.06	ISO yellow + black		70m 2000 2000 1000 700 2000
	25/.04	ISO red + green		EDMak
	25/.06	ISO red + black		Gutta Percha Points
Finisher	30/.04	ISO blue + green		NEOUX
	40/.04	ISO black + green		EDMax Absorbent Paper Points and Gutta Percha Points Class IIa medical devices - CE 0197

Lengths: 21-25-31 mm (except opener: 15 mm)

Recommended Protocol

Crown Down • Speed 500 rpm • Torque Limit 1.5 N.cm • Continuous rotation • Pecking and wall brushing motion • Recapitulate • Constantly irrigate the canal and wipe the file . Stop the preparation as soon as you meet resistance at the working length

Type of canal	Opener	Glide path	Shaper			Finisher		
	20/.10	15/.03	20/.04	20/.06	25/.04	25/.06	30/.04	40/.04
	n in 1							
Large			0	0		0		
Medium			0		0		0	0
Narrow				0		0	0	0

For retreatments, EDMax 20/.06 also allows to efficiently remove Gutta Percha to desobturate the canal.

The EDM Inventor for Endodontics

EDM (Electric Discharge machining) consists of high-power and high frequency electric sparks between a hair-thick metal wire cutting tool and the in-process NiTi file, that leads to locally melting and evaporating the material without



mechanical contact between the electric wire and the file. This prevents the formation of microcracks in the file structure, and brings unique features such as combined core softness and surface hardness + roughness resulting in NiTi files with SOFT POWER! EDMax also offers huge potential of amazing designs such as instruments with split blades for a wide range of possible breakthrough innovative applications.

Neolix, a French startup company founded in 2009, has been fully dedicated from the first day to its patented EDM process applied to Endodontics, and is the only worldwide manufacturer to master EDM for Endodontics, proudly as a pioneer.

FDM-made

split blade concept

After Neoniti file range launched in 2014 and already well established for its superior cyclic

fatigue resistance, EDMax propels Neolix NiTi files up to new heights thanks to its optimized features and improved key advantages: resistance to cyclic fatigue and torsional stress, high cutting efficiency, and respect of natural anatomy.

Thanks to its unique EDM process, Neolix opens a new era in Endodontics!



Neolix is ISO 13485 certified notified body (CE 0459)

EDM also respects the environment and the operators health

- Machining is performed in closed-circuit permanently recycled water, to preserve this vital resource.
- Oil-free process avoids to produce danaerous aerosols and hazardous waste and it does not need organic solvents for the cleaning step.









The budget EDM file by NEOLIX.

Same design and sizes as NEONITI

Neofile 25/.06

VE©LIX

- 🛑 Stainless steel handle
- Color ring (replica of stopper)
- 🛑 8-plate pack-out size
- Assorted and refill plates
- 25mm and 21mm lengths

× 8

The EDM inuentor for Endodontics

