

One G

The single rotary file
for glide path development



Your Endo Specialist™



One G

What is the purpose of rotary NiTi files for glide path development?

The creation of a glide path is an essential and indispensable step in the root canal preparation.

Stainless steel hand files (in combination with x-rays and ideally an apex locator) are necessary for the scouting of the root canal and the determination of the working length. However, rotary files for glide path development are particularly useful for canals that are difficult to access (curved, thin and calcified canals).

They make glide path creation quicker, more efficient and safer than stainless steel hand files (by limiting the risk of endodontic errors like the creation of a ledge, false canal, canal transportation).

They facilitate the progression of the shaping instruments in the canal thanks to the removal of interferences and part of the canal content.

MICRO-MEGA[®]
presents One G, only one NiTi file
for glide path development in continuous rotation

One G

facilitates your endodontic treatments
and improves their safety and efficiency



One G provides you with simplicity and efficiency:

- **Simplicity:** only 1 single-use instrument in continuous rotation for glide path development.
- **Efficiency:** time saving for the complete endodontic treatment.
- **Safety:** reassuring for the practitioner and resistant to breakage and unwinding thanks to its innovative cross-section and pitch.



“Your time saving asset
in endodontics
”

Quality

Our main goal is to satisfy our customers by offering them products and services that always meet their expectations.

**Our expertise
for your comfort
and the comfort of
your patients!**

Product benefits

Simplicity

■ **Simple to use**

- Simple and rapid protocol.
- Well-known and recognized instrumental dynamics (in and out movement).
- 1 single instrument compared to rotary multiple-file sequences for glide path development or stainless steel hand files.

■ **Simplification of instrument management**

- 1 single reference facilitates the stock management.
- Sterile and single-use instruments → the file is discarded after use, no need for reprocessing.

✓ Efficiency

- Efficiently pre-enlarges the root canal thanks to an active instrument which removes part of the organic canal content.
- Productivity: 1 single instrument
→ time saving for the complete endodontic treatment thus providing extra time for irrigation.



✓ Safety

- Reassuring instrument → respects and maintains the original canal anatomy.
- Smooth progression → excellent ability to negotiate curves, particularly in thin and curved canals.
- Single-use*: reduced risk of instrument breakage.
- Infection risk control thanks to the sterile blister
→ safe for the patient and the dental assistants.



Literature references

Accepted in "Journal of Endodontics" (in press 2015): This manuscript contains a developmental procedure and study results of comparison between the early prototype of One-G (uG) and G-Files™.

Title: Geometric optimization for the development of a glide path preparation NiTi rotary instrument

Running title: Glide path preparation instruments

Authors: Jung-Hong Ha, Chan-Joo Lee, Sang-Won Kwak, Rashid El Abed, Dongseok Ha, Hyeon-Cheol Kim

Abstract

Aim: The study's objective was the development of a glide path preparation nickel-titanium rotary instrument through size optimization procedures and the evaluation of the prototype's properties.

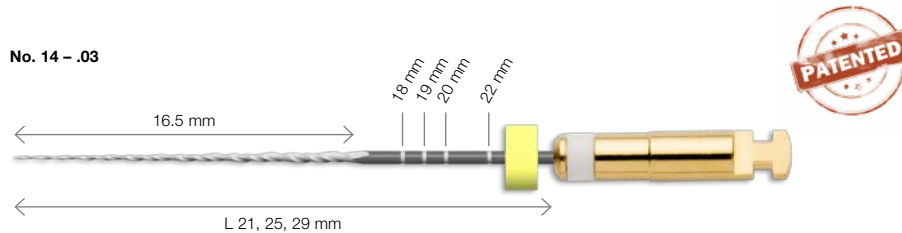
Results: The prototype of the uG* file showed higher cyclic fatigue resistance than the G2 file and intermediary torsional strength and screw-in forces situated between the G1 and the G2 file.

Conclusion: The prototype production based on a size optimization procedure produced appropriate mechanical properties for the purpose of development.

*One G

* For one tooth

Technical features



- A variable pitch between each cutting edge
→ **limits the screwing effect**

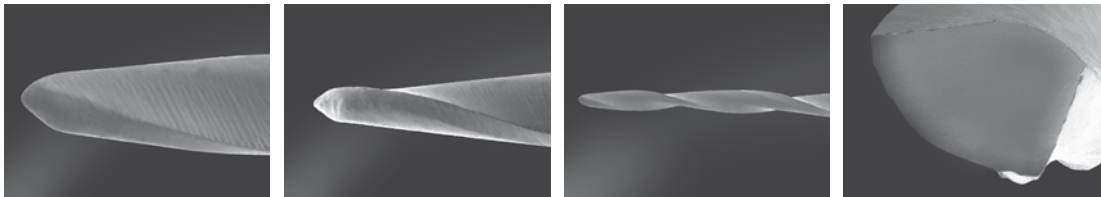


An innovative cross-section



- An already well-proven innovative asymmetrical cross-section.
- The 3 cutting edges are situated on 3 different radiuses relative to the canal axis:
 - More space for better debris elimination.
 - Excellent cutting action for the pre-enlargement of the canal.

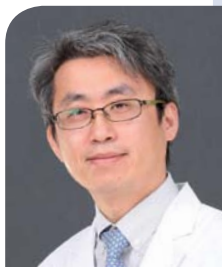
Non-working tip



SEM views: Prof. Hyeon-Cheol KIM (South Korea)

- Preserves the canal anatomy

Testimonials



Prof. Hyeon-Cheol KIM
(South Korea)

Simple, safe, smart!

One G enables the clinician to create a glide path in the **most convenient and efficient** way. The use of just one file is enough before using the shaping instruments. The optimal tip size presents a sufficient **rigidity** to create a passage and to resist file fracture. The optimal taper and pitch present a reduced contact and self-screwing tendency. The asymmetric cross section also provides better debris removal.



Dr. Tara MC MAHON
(Belgium)

One G is an **extremely comfortable and reactive** instrument for glide path development. My first impression was a reassuring **feeling of safety**. One G can be used with equal ease for pre-enlargement in simple cases (straight and wide canals) as well as in complex cases (curved and thin canals).



One G is **an excellent idea** since it perfectly integrates the One Shape® Total Solution (one single file for glide path development followed by one single file for root canal shaping). This new instrument is not only **easy to use** but it is also **time saving** for the complete endodontic treatment.



Dr. Rashid EL ABED
(United Arab Emirates)

Rapid, time saving



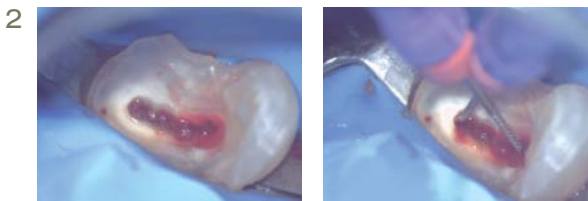
Dr. Alberto DAGNA
(Italy)

Pre-enlargement is one of the most important steps in root canal preparation in order to create a glide path before using NiTi files for canal shaping, more specifically single file systems, for single use or not. One G is **the latest innovation** for the simplification of root canal treatments. Root canal treatments have never been **so easy!** One single file for glide path development and one single file for canal shaping.





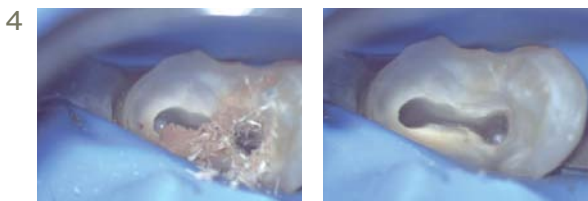
Pre-operative x-ray
First upper left premolar



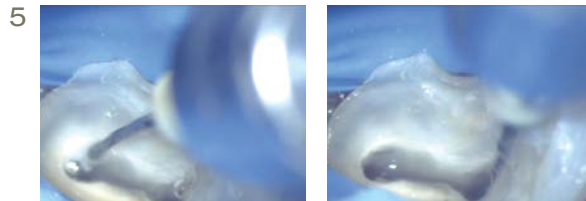
Access cavity and preliminary canal scouting with MMC files no.10



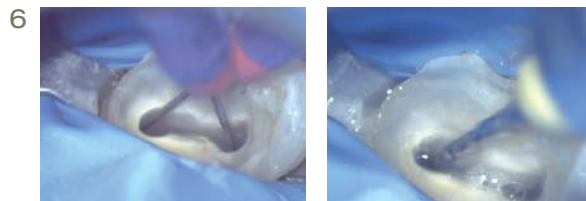
Orifices opening with ENDOFLARE®



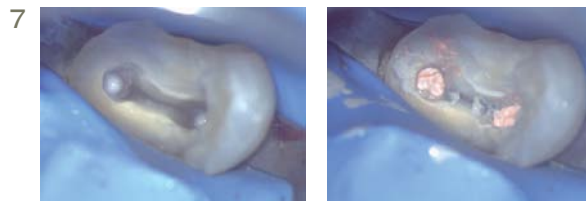
Orifices after the use of ENDOFLARE®



Preflaring using One G



Scouting after preflaring



Final irrigation and obturation



Post-operative x-ray



One G

the ideal complement
for One Shape®

Simplicity of the One Shape® Total Solution instruments

- Complementary with One Shape®
→ easy to use.
- Sterile instrumentation for single use
→ for glide path development as well as canal shaping.



1 One G
single instrument for
glide path development

1 One Shape®
single instrument
for canal shaping

Blister
with 5 One G
instruments

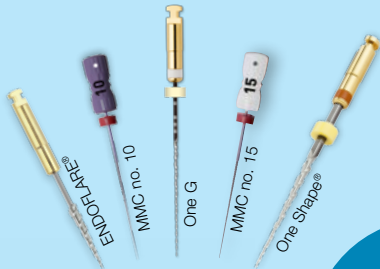
STERILE



Kit
MM•control
+ One Shape®
Procedure
Pack



STERILE



STERILE

One Shape®
Procedure
Pack



- MM•control
- 10 blisters One Shape® Procedure Pack
- 1 blister One Shape® Apical 1
+ 1 blister One Shape® Apical 2
- 1 box of One Shape® Shaping Gutta Percha
- 1 box of One Shape® Shaping Paper Points



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