

One Shape[®]

One single file in continuous rotation



Your Endo Specialist™



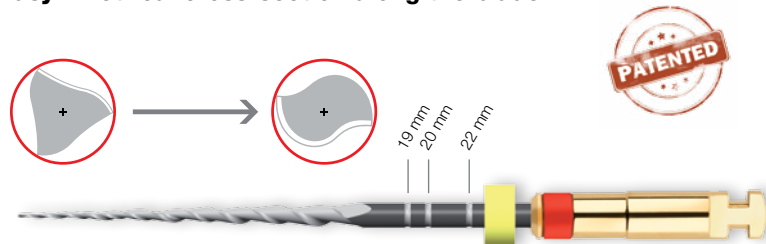
One Shape®

The single file in continuous rotation
with more benefits

**Simplifying your endodontic procedures with complete safety
and effectiveness is our primary concern.**

**MICRO-MEGA® now offers you the new One Shape®, the one
and only NiTi instrument in continuous rotation for quality root
canal shaping.**

**MICRO-MEGA® innovation: the instrument presents a variable
asymmetrical cross-section along the blade.**





- Asymmetrical cross-section
MICRO-MEGA® patent since 1999.
- Longer pitch.
- Variable cross-section along the instrument.
- Depth identifications on the file.



One Shape® provides simplicity to practitioners:

- **Simplicity of use:** 1 single instrument for canal shaping.
- **Productivity:** sterile instrumentation saves time.
- **Flexibility:** superior ability to negotiate curves.
- **Efficiency:** in continuous rotation.
- **Safety:** single use.
- **Innovation:** new asymmetrical cross-section with longer pitch.



“
One Shape® provides
simplicity
that practitioners
are looking for
in endodontics
”

Product benefits . . .



Simplicity of use

- Simplification of the instrumentation sequence: 1 single reference to manage stock.
- No instrument change during canal shaping: only 1 sterile and single-use instrument.
- Facilitated instrument handling for assistants.



Literature references

"Comfortable results are shown also by innovative single-use One Shape® file. [...] This means that the goal of simplifying the technique and reducing the overall duration of the treatment is respected. If the irrigating protocol is correct, One Shape® permits a quick treatment with the same efficacy in bacterial reduction as conventional Ni-Ti instruments."

Antibacterial efficiency of conventional and single-use Ni-Ti endodontic instruments: an in vitro microbiological evaluation.

Alberto DAGNA, Carla Renata Arciola, Livia Visai, Laura Selan, Marco Colombo, Stefano Bianchi, Claudio Poggio / The International journal of artificial organs – 10/2012



One
Shape®



✓ Efficiency

- Time saving: sterile instrument, ready for use.
- Economic: no prior sterilization before use.
- Rapid treatment: a root canal treatment is approximately 60% faster than a conventional treatment.
- Asymmetrical cross-section + longer pitch → increase the available volume for upward debris elimination: high-quality shaping.
- Overall duration of treatment shortened, leaving more time for irrigation*.

* It is imperative to let the irrigant act for at least 15 minutes for optimal root canal disinfection.



Literature references

"The use of One Shape® decreased the preparation time by up to (...) 59% compared with Mtwo. The use of the other single-file system F360 decreased the preparation time by about 30%. These results are in agreement with a previous report, in as far as the use of Reciproc decreased the preparation time by 60% compared with Mtwo (Bürklein et al. 2012). The fact that preparation time was decreased by about 62–30% when using the single-file systems is a clinically relevant finding in as far as, simultaneously, the time available for irrigation and chemical debridement of the root canal system is also markedly reduced. To compensate the decreased irrigation time when using single-file systems, larger volumes of irrigant and additionally activation of the irrigants seem to be advisable to improve chemical dissolution of residual debris and disinfection of the root canal system (Bürklein et al. 2012)."

Shaping ability of different single-file systems in severely curved root canals of extracted teeth. Bürklein S, Benten S, Schäfer E. / International Endodontic Journal – June 2013

... and even more!

Security

- Controls risk of infection due to sterile blister packaging: safety for patients and staff.
- Respect of office hygiene.
- The variable pitch reduces the screwing effect.
- The quantity of apically extruded debris is less with continuous rotation.
- Minimal fatigue along the length of the file virtually eliminates the risk of separation.
- Single use: It is recommended to use the One Shape® instrument for the treatment of only one tooth*.

* Dispose of all instruments that show a sign of unwinding, wear or premature fatigue after the treatment of one or two root canals.



Literature references

"The behavior of instruments is linked to their geometry and their design. Producing an asymmetric instrument modify the file behavior. In the present study, the axial stresses decreased, but the torque did not change with an asymmetric triple helix cross-section. These results may encourage manufacturers to propose asymmetric instruments to increase safety." Effect of Asymmetry on the Behavior of Prototype Rotary Triple Helix Root Canal Instruments.

Franck Diemer, DDS, MS, PhD, Jérôme Michetti, DDS, MS, Jean-philippe Mallet, DDS, MS, and Robert Piquet, PhD / JOE Volume 39, Number 6, June 2013

Rotary instrumentation was associated with less debris extrusion compared to reciprocal instrumentation. (...) Reciproc produced significantly more debris compared to all other systems.

Quantitative evaluation of apically extruded debris with different single-file systems: Reciproc, F360 and OneShape versus Mtwo. Burklein, Shaefer & Bente / IEJ —2013 July 6



✓ Flexibility

- More flexibility due to the longer instrument pitch.
- Ergonomics → maximum comfort, safety and efficiency.
- Easy progression → superior ability to negotiate curves.
- Improved working comfort → the longer pitch makes an easier progression of the instrument to the apex.

BASED ON MORE THAN 200 CLINICAL TESTS

