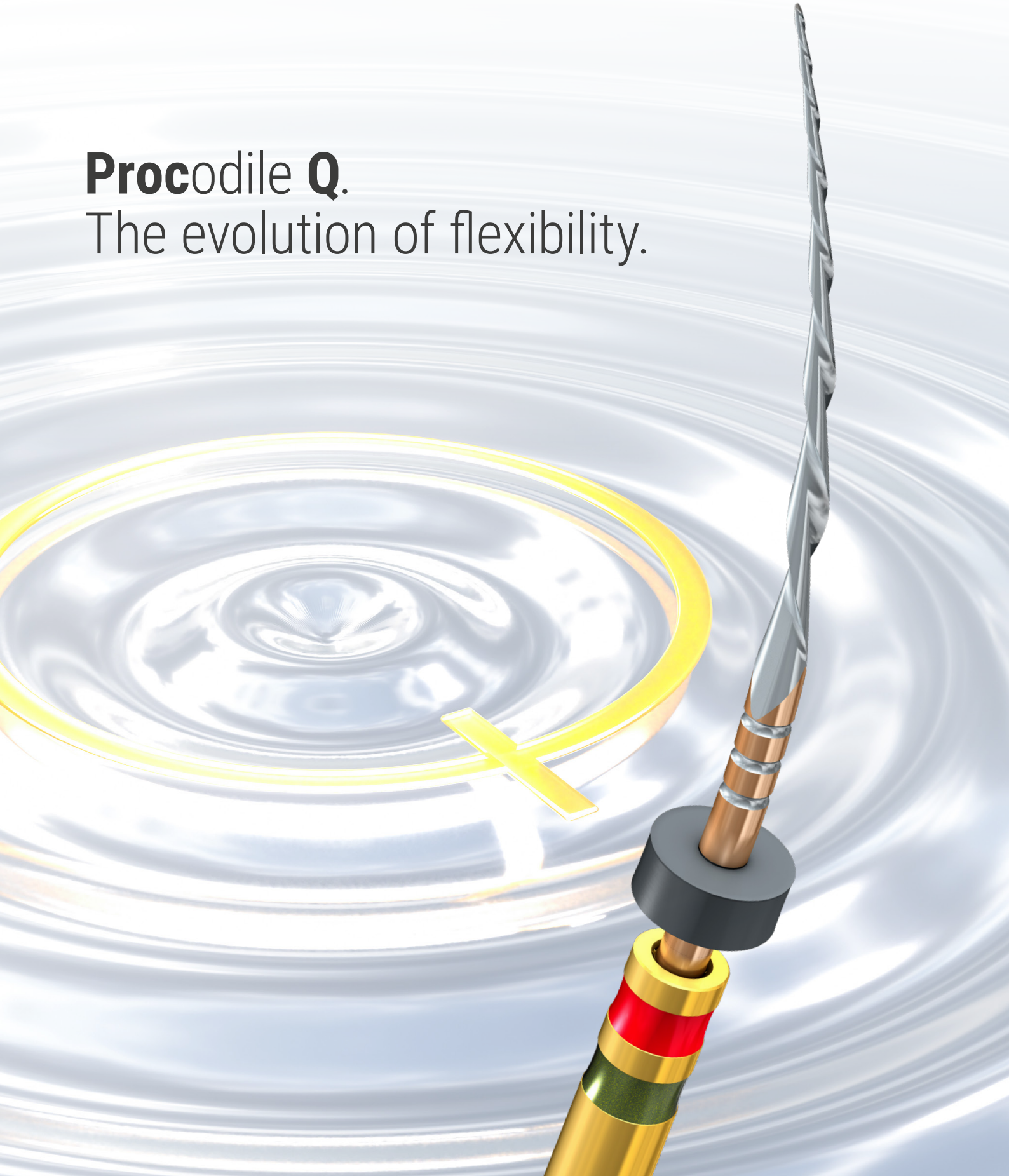
Procodile **Q**.
The evolution of flexibility.



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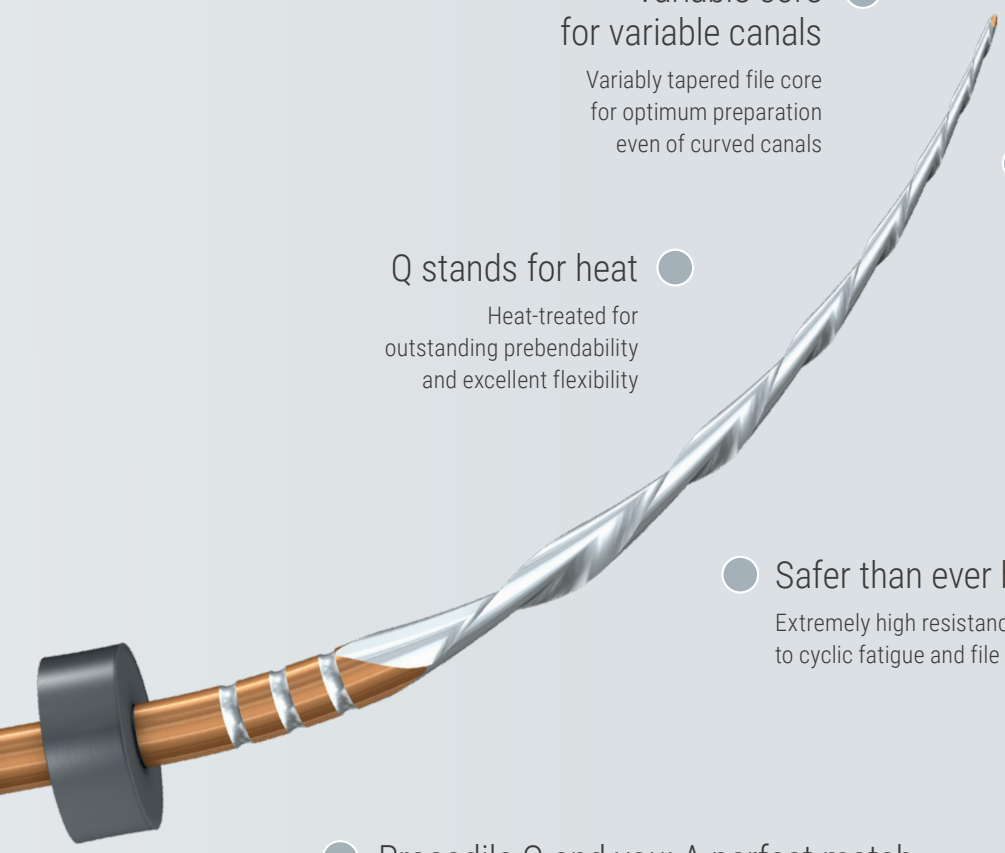
As at February 2025

Procodile **Q**.
Setting standards.



Variable core for variable canals

Variably tapered file core for optimum preparation even of curved canals

Hungry and fast-cutting

Quick and efficient substance removal thanks to a larger chip space and double-S design

Q stands for heat

Heat-treated for outstanding prebendability and excellent flexibility

Safer than ever before

Extremely high resistance to cyclic fatigue and file fracture

Procodile Q and you: A perfect match

Suitable for use in all established power systems, perfect in combination with the patented ReFlex® motion

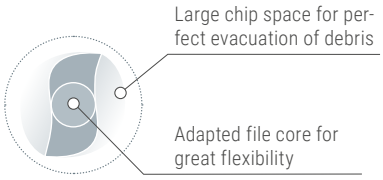
Core competence revisited – the flexible way

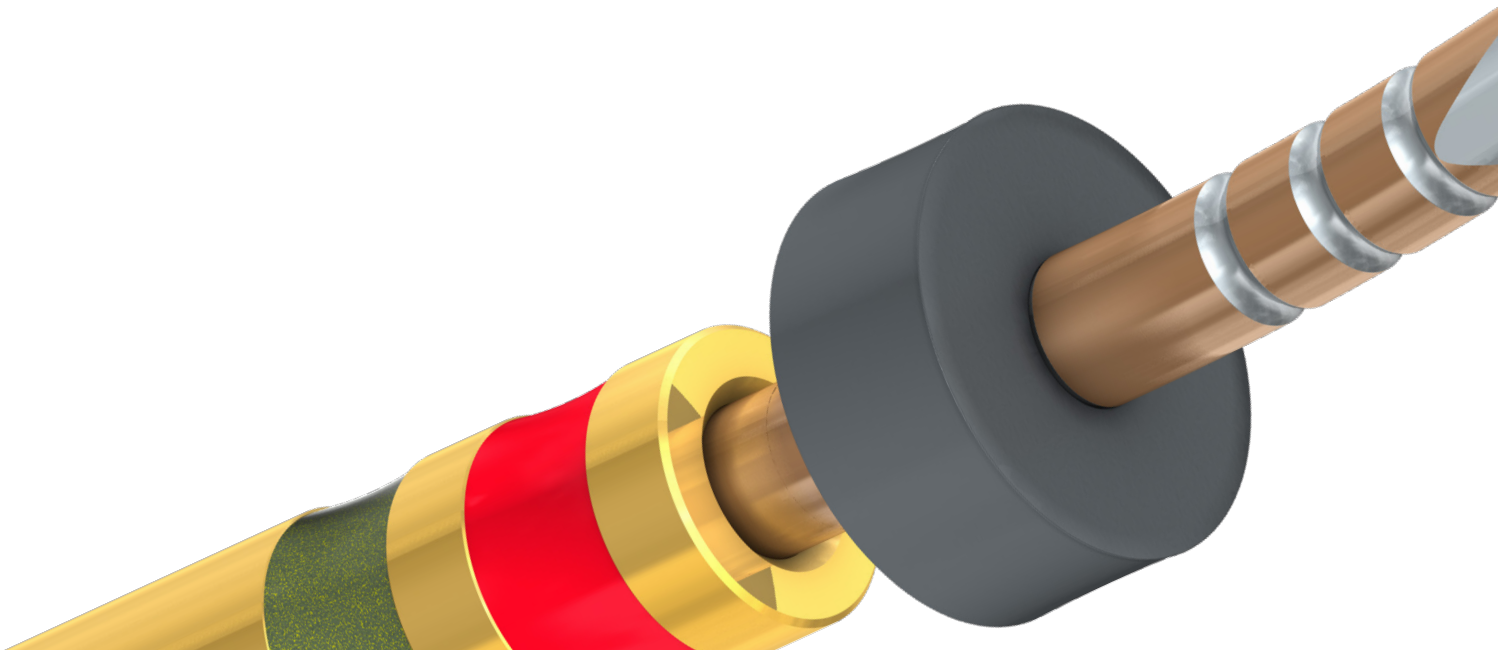
This evolution makes the endodontic world even safer and easier. Procodile Q is the first heat-treated reciprocating file with a variably tapered core. For unprecedented flexibility, combined with an incredibly effective performance.

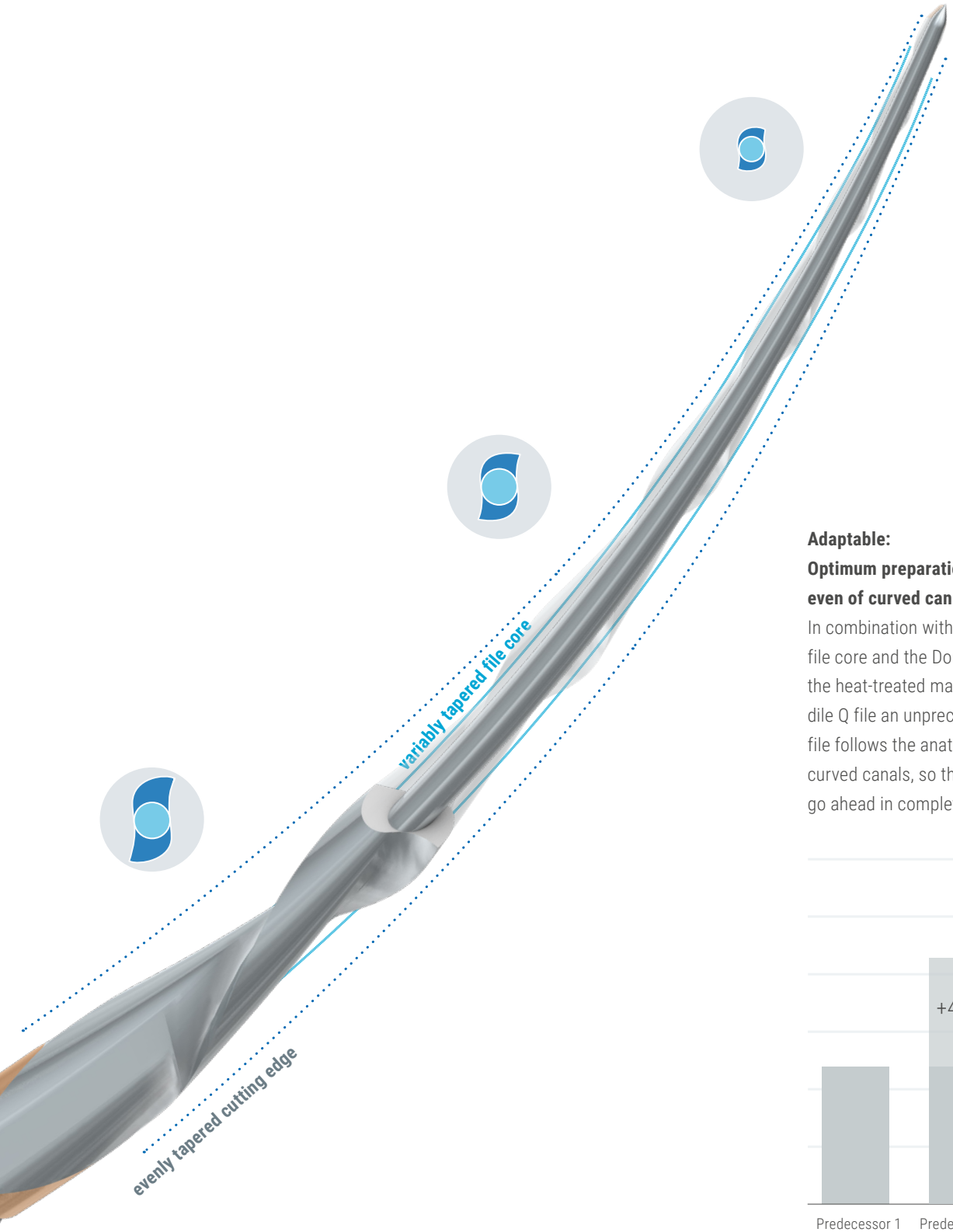
New:
Q stands for heat
The new Procodile Q file is heat-treated so that it can contribute even more effectively to a successful endodontic treatment.
The heat treatment makes the file easier to bend while increasing the flexibility and safety.

Unique:
The variably tapered file core
The preparation of the root canal using a file with a constant taper ensures a homogenous obturation. The Procodile Q file has a variably tapered file core. With this new feature, the diameter of the core decreases towards the shank, which makes the file even hungrier and more adaptable.

Hungry:
Fast and effective substance removal
The variably tapered file core of the Procodile Q file increases its chip space.
As a result, infected tissue is removed from the canal even more effectively in very little time.

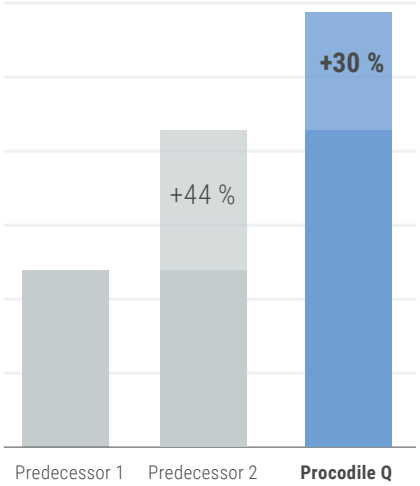




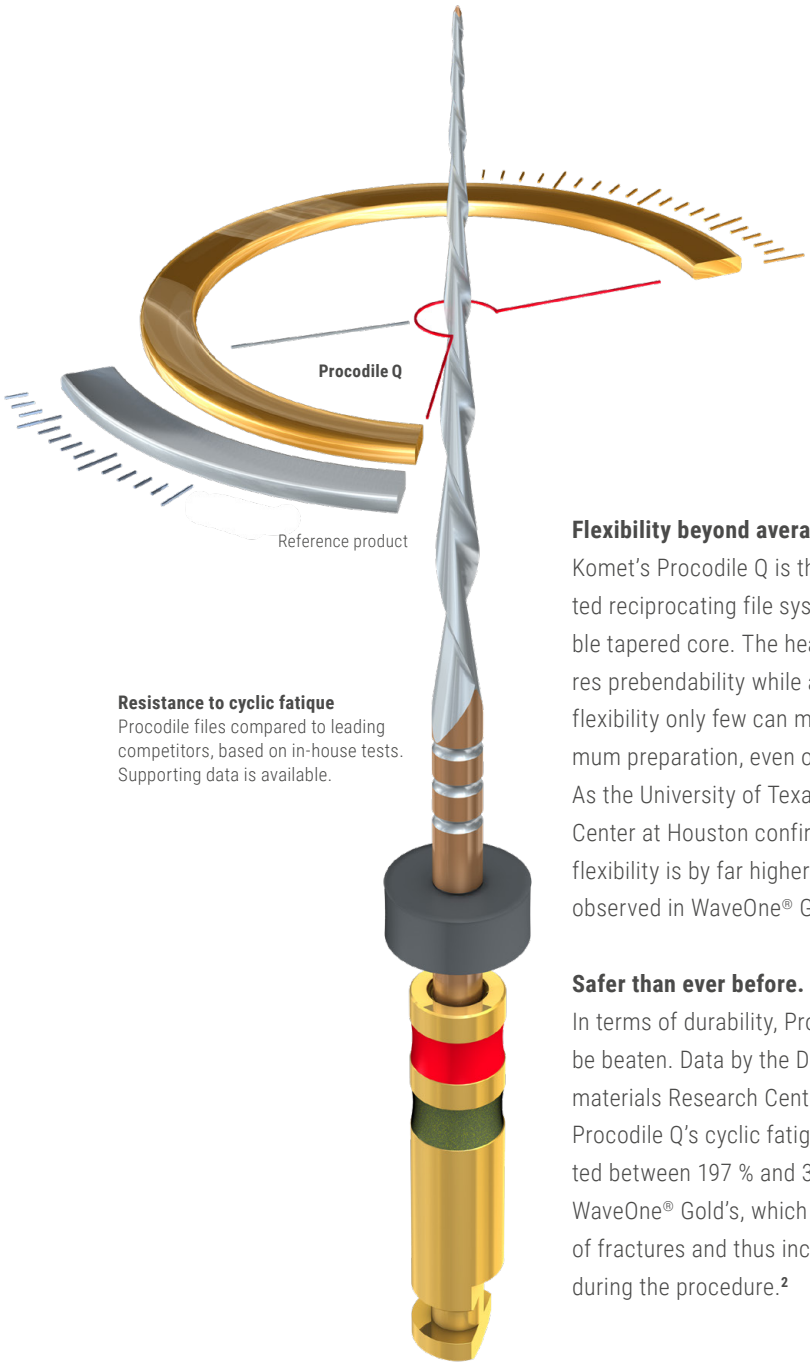


Adaptable:
Optimum preparation
even of curved canals

In combination with the variably tapered file core and the Double-S cross-section, the heat-treated material lends the Procodile Q file an unprecedented flexibility. The file follows the anatomic course even of curved canals, so that the preparation can go ahead in complete safety.



Evolution of flexibility
Procodile Q compared to preceding systems, based on in-house tests.
Supporting data is available.



Resistance to cyclic fatique
Procodile files compared to leading competitors, based on in-house tests. Supporting data is available.

Flexibility beyond average.
Komet's Procodile Q is the first heat-treated reciprocating file system with a variable tapered core. The heat-treatment ensures prebendability while also creating a flexibility only few can match – for optimum preparation, even of curved canals. As the University of Texas Health Science Center at Houston confirms: Procodile Q's flexibility is by far higher than the one observed in WaveOne® Gold files.[1]

Safer than ever before.
In terms of durability, Procodile Q is yet to be beaten. Data by the Dental Advisor Biomaterials Research Center confirms that Procodile Q's cyclic fatigue resistance lasted between 197 % and 325 % longer than WaveOne® Gold's, which reduces the risk of fractures and thus increases the safety during the procedure.[2]

The Dental Advisor Biomaterials Research Center also detected that significant unwinding was found in all three sizes of WaveOne® Gold files, but in only one size of Procodile Q (after three canals) which again emphasizes the durability of Procodile Q files.[3]

Efficiency at its best.
The Dental Advisor data study also proves: With a cutting rate 16 % faster than WaveOne® Gold, Procodile Q files are the perfect fit for a fast and efficient preparation of the root canal[4]. In addition, the tapered core helps to remove infected tissue effectively, extrude debris coronally, and thus can help to lower the risk of post-operative infections.[5]

Procodile Q is the stronger, faster, and more durable file.
These studies prove us right – with a superior flexibility, longer durability, higher safety, and a variety of file sizes, Procodile Q masters all challenges of your work routine.

1 **Beltran, A. S. M., Dadarkar, F. and Jaramillo, D. E. (2022).** *Comparison of Dentin Debris Extrusion After the Use of WaveOne Gold and Procodile Q NiTi File. Online Journal of Dentistry & Oral Health, 6(1), pp. 1–5.*
2 **Cowen, M., Power, J. M., (2022).** *Laboratory Evaluation of Procodile Q Endodontic Files. DENTAL ADVISOR Biomaterials Research Results.*
3 **Cowen & Power,** *Laboratory Evaluation of Procodile Q Endodontic Files.*
4 **Cowen & Power,** *Laboratory Evaluation of Procodile Q Endodontic Files.*
5 **Beltran et al.** *Comparison of Dentin Debris Extrusion.*

WaveOne® Gold is a trademark of DENTSPLY SIRONA Inc.

Procodile **Q**.
Thrilled users.

Dr. David Christofzik

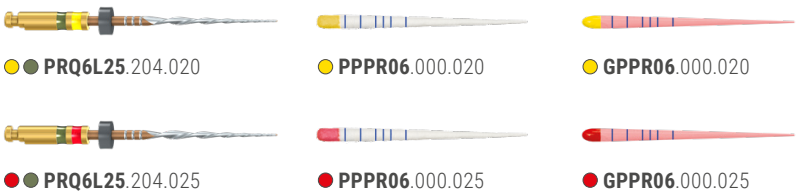
Endodontic expert, Kiel

"I would like to carry out my endodontic treatments with a file system that enables effective work and gives the user a safe feeling when preparing narrow and curved root canals.
The heat treatment has implemented my requirements very pleasantly and effectively. This file system is distinguished by the unique combination of efficient substance removal, gentleness and retention of the canal geometry."

Step by Step.

Simple and clearly structured. Four main sizes for the preparation of narrow, medium sized and wide canals with matching paper and gutta-percha points – for the best obturation possible.

Option
for narrow canals



PRQ6L25.204.020 | **PPPR06**.000.020 | **GPPR06**.000.020

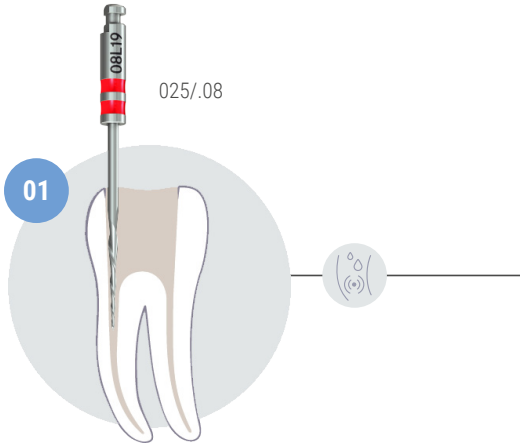
PRQ6L25.204.025 | **PPPR06**.000.025 | **GPPR06**.000.025

Option
for medium-sized canals

PRQ5L25.204.040 | **PPPR05**.000.040 | **GPPR05**.000.040

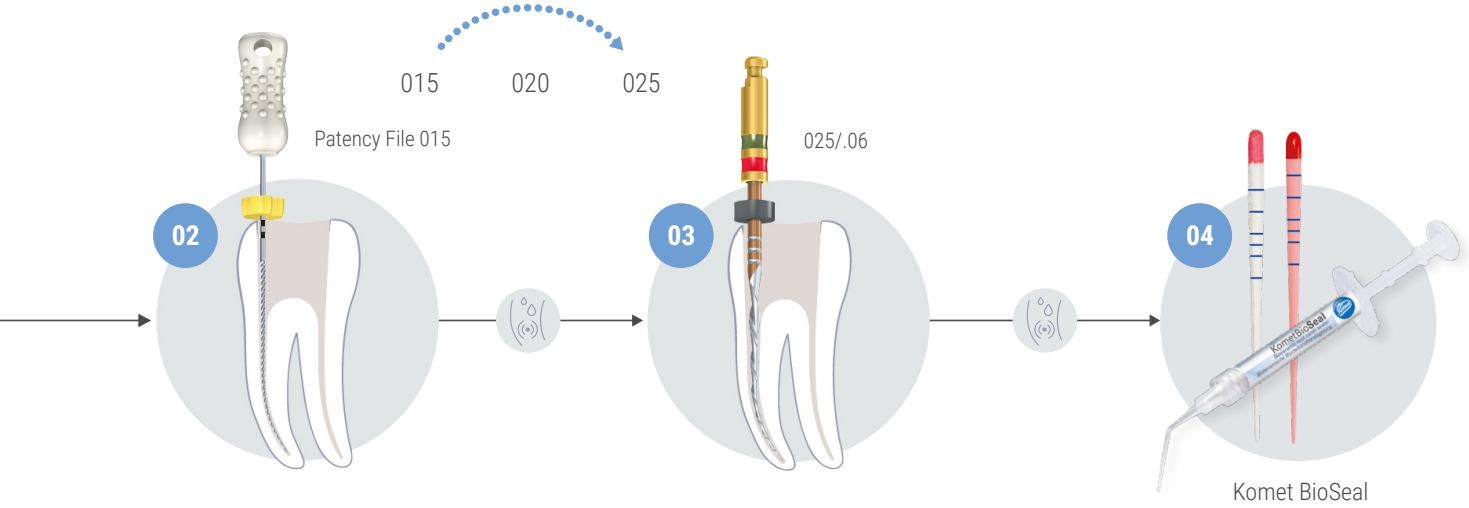
Option
for wide canals

PRQ4L25.204.050 | **PPPR04**.000.050 | **GPPR04**.000.050



01 **Coronal reaming**

[01] Generous preparation of the canal entry zone, for example with the reciprocating Opener.



02 **Glidepath**

03 **Shaping/Finishing**

04 **Obturation**

[02] Creation of a glide path, for example with a K-file in size 015. The matching Procodile Q file is selected according to the size of the previously used (manual) file. Rule: Skip one ISO file size.

[03] Canal preparation with the Procodile Q file.

In case of power units with no preset reciprocating movement, we recommend to use a speed of 350 rpm, a torque of 3.2 Ncm and an angle of 30° right/150° left

[04] Obturation with a matching gutta-percha point.

Procodile **Q**. The system.

Procodile Q Files
with matching taper .06

PRQ6L25.204.020

PRQ6L25.204.025

PRQ6L25.204.030

Procodile Q Files
with matching taper .05

PRQ5L25.204.035

PRQ5L25.204.040

Procodile Q Files
with matching taper .04

PRQ4L25.204.045

PRQ4L25.204.050

Available in the lengths 21 mm,
25 mm and 31 mm. [6 files per blister pack]

Procodile Q Paper points
PPPR06.000.S1
Contents: 30x 025, 10x 030, 10x 035, 10x 040

- **PPPR06**.000.020
- **PPPR06**.000.025
- **PPPR06**.000.030
- **PPPR05**.000.035
- **PPPR05**.000.040
- **PPPR04**.000.045
- **PPPR04**.000.050

Procodile Q Gutta-percha points
GPPR06.000.S1
Contents: 30x 025, 10x 030, 10x 035, 10x 040

- **GPPR06**.000.020
- **GPPR06**.000.025
- **GPPR06**.000.030
- **GPPR05**.000.035
- **GPPR05**.000.040
- **GPPR04**.000.045
- **GPPR04**.000.050

Procodile Q Assortment
SORT184B

- **OPR08L19**.204.025
- **PG03L25**.204.015
- **PRQ6L25**.204.020
- **PRQ6L25**.204.025
- **PRQ5L25**.204.035
- **PRQ5L25**.204.040

STERILE R

Procodile **Q**.
The accessories.

OPR10L19.204.030
Reciprocating Opener

OPR08L19.204.025
Reciprocating Opener

BCS1 KometBio**Seal**
Bioceramic root filling material

EnGO13 Endo-Motor

ED01 EnDrive

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