



Procodile & Reflex - Endo



Agenda

- Reciprocating Opener
- Procodile
- EndoPilot – ReFlex





Reciprocating Opener - Portfolio



Reciprocating opener

- Constant tapers .10 and .08
- Sizes 030 and 025
- Length 19 mm
- Double-S cross-section made of NiTi
- Sterile / reusable
- Suitable for use in all established reciprocating power systems
- OPR08L19.204.025
- OPR10L19.204.030

Both versions of the Opener are suitable for universal use and can be combined with any file system or preparation technique





Procodile – Technical details

Sterile and single-use

STERILE R



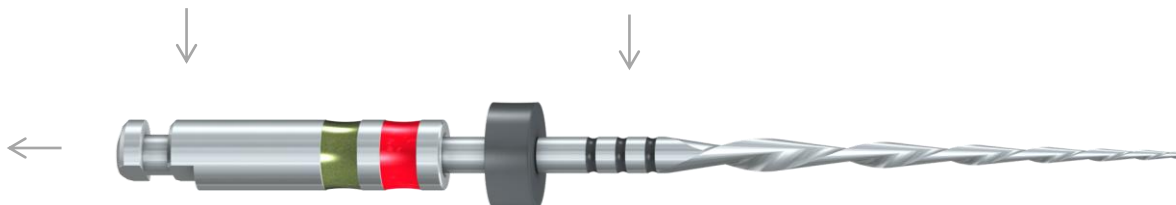
Lasered depth marks at 18, 19, 20 and 22 mm

Nickel titanium files
with variably tapered file core
(Double-S cross-section) for extraordinary cutting performance and flexibility.

Urkunde
über die Eintragung des
Gebrauchsmusters Nr. 20 2019 100 258



Left cutting – for use in established reciprocating power units



Non-cutting (safe) instrument tip

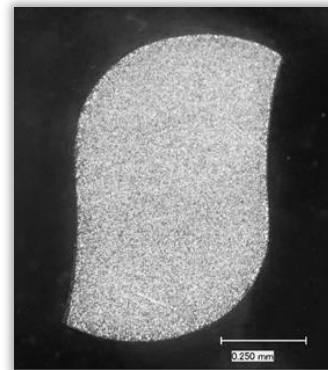
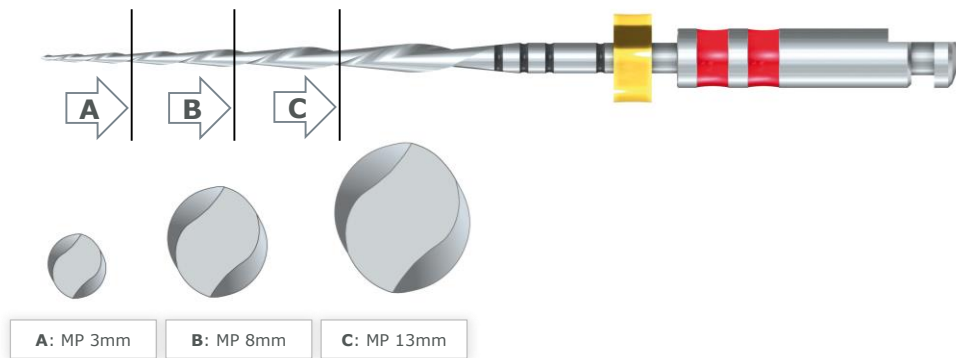
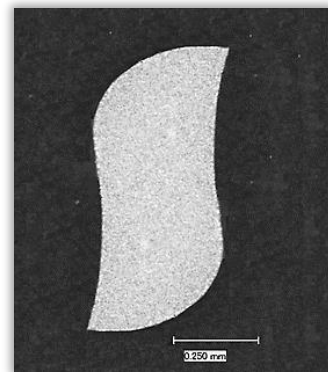
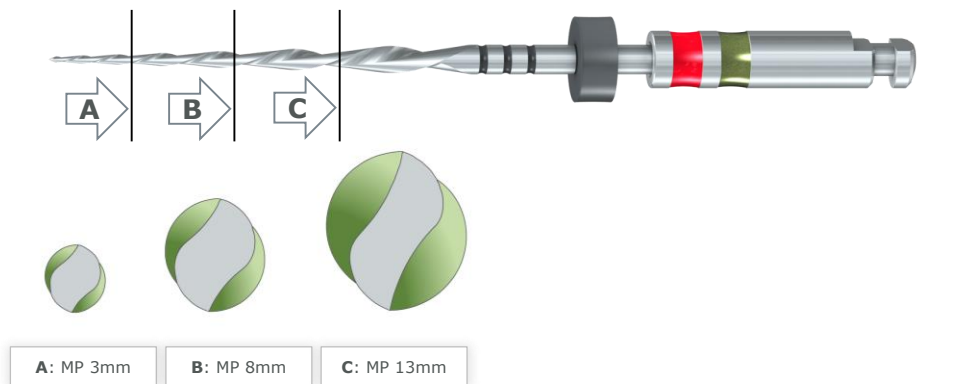
Two colored rings (ISO) for identification

Radiopaque silicone stopper

Constant outer taper



Procodile – Variably tapered file core





- Sagomatura efficace e veloce
- Eccellente sicurezza clinica



Numerosi test hanno
confermato:

- Sicurezza
- Efficienza
- Semplicità
- Velocità operativa





Procodile – Portfolio

Instrument	Size	Length [mm]	Figure
Taper .06			
	020	21, 25, 31	PROC6LXX.204.020
	025	21, 25, 31	PROC6LXX.204.025
	030	21, 25, 31	PROC6LXX.204.030
Taper .05			
	035	21, 25, 31	PROC5LXX.204.035
	040	21, 25, 31	PROC5LXX.204.040
Taper .04			
	045	21, 25, 31	PROC4LXX.204.045
	050	21, 25, 31	PROC4LXX.204.050



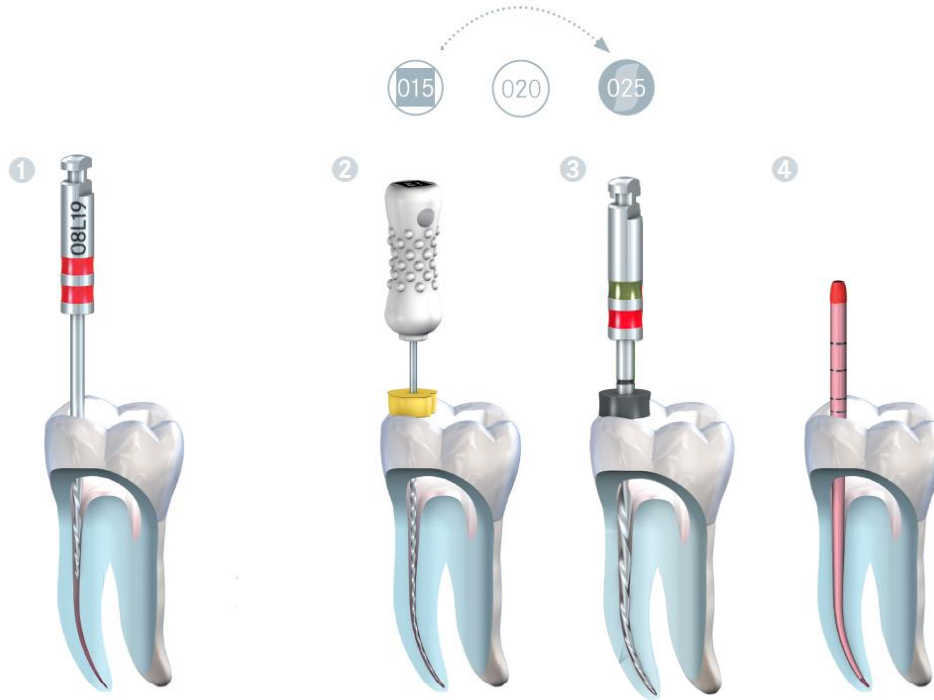
Procodile – Paper and gutta-percha points

PP	GP	Contents
PPPR06.000.S1 30x025, 10x030, 10x035, 10x040	GPPR06.000.S1 30x025, 10x030, 10x035, 10x040	60
PPPR06.000.020	GPPR06.000.020	100
PPPR06.000.025	GPPR06.000.025	100
PPPR06.000.030	GPPR06.000.030	100
PPPR05.000.035	GPPR05.000.035	100
PPPR05.000.040	GPPR05.000.040	100
PPPR04.000.045	GPPR04.000.045	100
PPPR04.000.050	GPPR04.000.050	100
PPSPR06.000.S1 120x025, 20x030, 20x035, 40x040	-	200





Procodile – Step by Step



Step by Step

[01] Generous preparation of the canal entrance are, for example with the reciprocating Opener OPR08L19.

[02] Creation of a glide path, for example with a K-file in size 015. The choice of the suitable Procodile file depends on the size of the previously used (manual) file.

Rule: Skip one ISO file size.

[03] Preparation of the canal with the Procodile file.

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



Procodile – Testimonials



Dr. Björn Schaper
Dentist from Detmold

"I'll happily recommend the Procodile system made by Komet to any colleague. This ingenious reciprocating system makes root canal treatments safe and easy. I am particularly impressed with the efficient substance removal along the entire length of the canal and the amazing flexibility of the files. I can use this system across the board to ensure high-quality preparations."



Niels Niemann
Dentist from Munich

"During my endodontic treatments, I like to work with a very effective file that can advance in complete safety even in curved and narrow canals. I noticed during my very first primary treatment that the Procodile files are easy and comfortable to use. They are not too aggressive, easy to control and their cutting performance is outstanding."



Procodile – Summary



Reciprocating file with innovative variably tapered file core



Faster and more efficient substance removal thanks to increased chip spaces



Practically identical or even better properties compared to heat-treated files - for greater patient safety and optimum preparation even of curved root canals

- Cyclic fatigue
- Flexibility

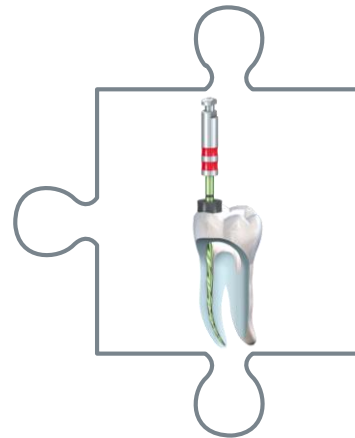


Suitable for all canal anatomies, the Procodile portfolio is wide and complete



EndoPilot – ReFlex

- The Endo Pilot motor best works together with Procodile files
- Endo Pilot has a mechanical drive system for left-cutting instruments and **this feature is patented**





EndoPilot – ReFlex

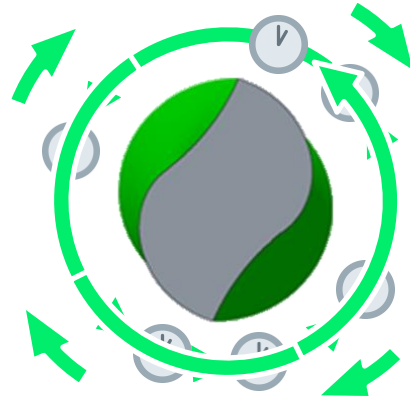
What is ReFlex?

- ReFlex is an innovative left-orientated movement on the EndoPilot
- ReFlex is capable of measuring the resistance exerted on the file (i.e. reset force or reset tendency of the file) and adapting the movement accordingly
- ReFlex will be available in two different modes with which our Procodile files can be powered:
 - ReFlex dynamic
 - ReFlex smart
- The set-up data of the modes are fixed, but it is possible to switch between “smart” and “dynamic” during the treatment



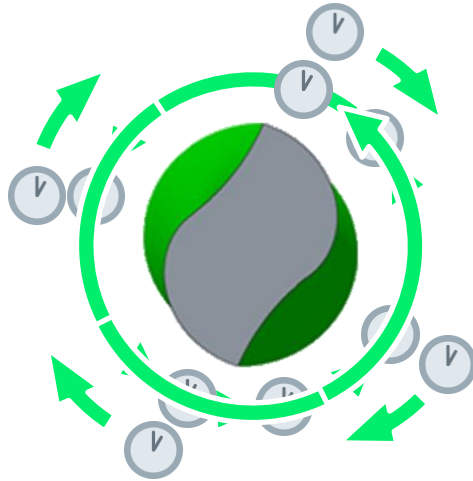


EndoPilot – ReFlex dynamic



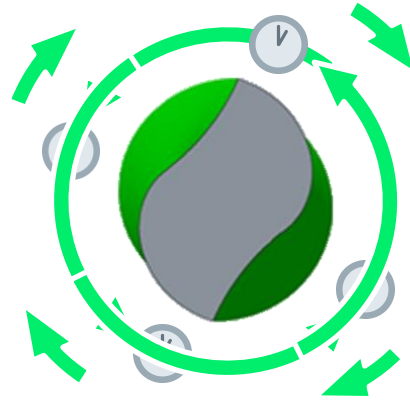


EndoPilot – ReFlex smart





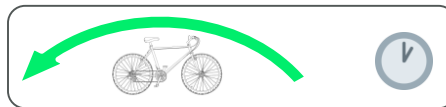
EndoPilot – ReFlex smart





EndoPilot – ReFlex smart

- Minor load



- The tip is loaded



- The file is loaded up to the center



- The major part of the file is loaded





EndoPilot – ReFlex: Advantages



What are the advantages of ReFlex?

- Combination of the advantages* of rotary and reciprocating motion
 - Less cyclic fatigue
 - Better centration in the root canal
 - Evacuation of debris

ReFlex dynamic

- Very fast work with maximum efficiency
- Ideal for straightforward canal anatomies

ReFlex smart

- Increased safety and tactile work during treatment
- Ideal for more complex canal anatomies, due to gentle motion that is perfectly adapted to the ambient conditions
- As tactile as required and as effective as possible

*Sources include: Varela-Patiño et al. (2010); De Deus et al. (2010); Bürklein et al. (2013)



EndoPilot – ReFlex

Procedure:

- **The ReFlex movement is only available on the EndoPilot.**
- The settings are adapted **to suit the Procodile System**. They are currently available for this system, and the **EndoPilot is at present the only power unit provided with these settings.**
- Procodile and the ReFlex movement will be stored as a file system in all devices (EP0014)
- All existing EndoPilots (EP0014) can be equipped with the new movement by means of a software update.





EndoPilot – ReFlex: Summary



Intelligent and patented movement in the EndoPilot



Unites the advantages of rotary and reciprocating movements



**Ideal combination with the Procodile files –
Unique on the market**



Perfectly adapted to the operator's requirements