



# Studies on the **F360** System:

## 1. Study

Original title: *Shaping ability of different single-file systems in severely curved root canals of extracted teeth.*

Authors: S. Bürklein, S. Benten, E. Schäfer  
Published in the International Endodontic Journal, Issue June 2013

## 2. Study

Original title: *Quantitative evaluation of apically extruded debris with different single-file systems: Reciproc, F360 and OneShape versus Mtwo.*

Authors: S. Bürklein, S. Benten, E. Schäfer  
Published in the International Endodontic Journal, Issue July 2013

## 3. Study

Original title: *Shaping ability of different NiTi systems in simulated S-shaped canals with and without glide path*

Authors: S. Bürklein, T. Poschmann, E. Schäfer  
To be published shortly in the Journal of Endodontics

### Goal of the study:

- Evaluation of the shaping ability of the three single-file systems Reciproc, F360 and OneShape (F360 in size 025 as a single-file system) in severely curved root canals in comparison to Mtwo
- The preparation time was also recorded

### Result:

- The preparation with the F360 system was significantly faster than with Mtwo
- All systems preserved the original anatomy of the canal well

### Goal of the study:

- Evaluation of how much debris was apically extruded with the file systems F360, Reciproc, OneShape and Mtwo
- The preparation time was also recorded

### Result:

- The Reciproc system caused significantly more apically extruded debris than the F360 system
- The preparation with single-file systems (for example F360) was significantly faster than with Mtwo

### Goal of the study:

- Evaluation of the shaping ability of various file systems in S-shaped canals
- The systems Reciproc, WaveOne, Hyflex, F360 and OneShape were tested
- The preparation time was also recorded

### Result:

- The anatomy of the canal was best preserved with the F360 system
- The rotary file systems preserved the anatomy of the canal better than the reciprocating systems
- The F360 system achieved the shortest preparation time

**Summary F360:** • safe and efficient • good preservation of the canal course • small amount of apically extruded debris

