VDW®

Endo Easy Efficient®

Root Canal Preparation with Mtwo®

The Right Technique



www.vdw-dental.com

Getting Started

Create a Glide Path

Check the patency of the canal and create a glide path to the apical constriction or the foramen apicale to at least an ISO size 10.

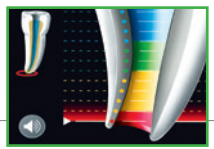
C-PILOT® File

● ISO 06 → ● ISO 08 → ● ISO 10



Determine the Working Length

Electronic length determination of the root canal using an apex locator and a C-PILOT® File.



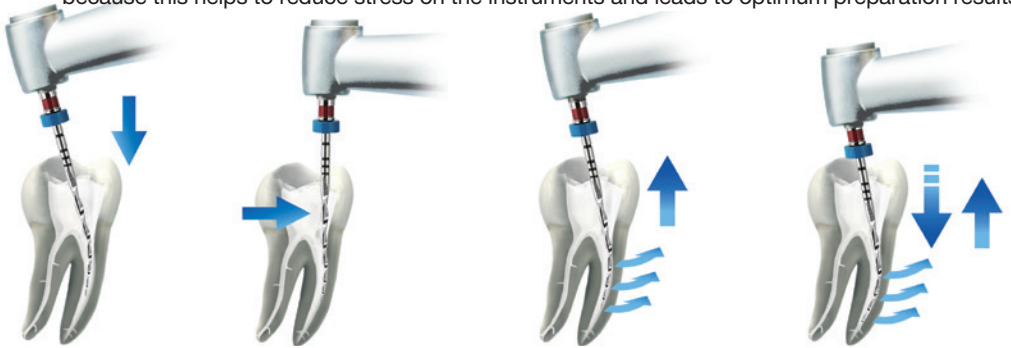
Enlarging the Canal Access

Through the brushing movement (see page 2) and the instrument's excellent lateral cutting efficiency, Mtwo® can even remove obstructions in the coronal third. The canal entrance is gradually and systematically enlarged through the use of each instrument.

A separate enlargement of the canal access is, therefore, unnecessary. Should you, however, wish to enlarge the canal access, an Mtwo® 25/.06 can be used.

Important: The Correct Brushing Movement!

Using Mtwo® instruments with the correct brushing movement is of the utmost importance, because this helps to reduce stress on the instruments and leads to optimum preparation results.



1 Insert the rotating instrument into the root canal without touching the walls of the canal.

2 Exerting light pressure, allow the instrument to touch the canal wall.

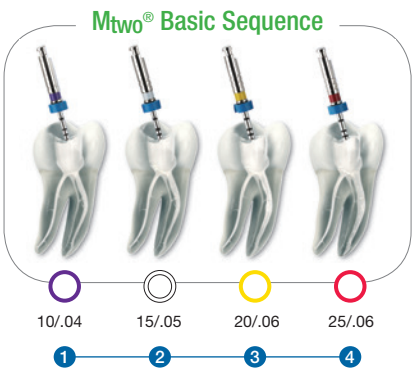
3 Make small, stroking/brushing movements (over a few millimetres) in a coronal direction, without taking the instrument out of the canal. (Similar to using a Hedstroem File).

4 Allow the instrument to move apically for a few millimetres and then repeat the movement described under 3. Gradually advance step-by-step towards the apex with up and down movements.

As soon as full working length has been reached, change to the next instrument in the sequence.

Single Length Technique

The first instrument, a 10/.04, is gradually taken to full working length **without the exertion of pressure**. As soon as working length has been reached, change to the next instrument in the sequence. Continue working this way through the basic sequence. Each instrument creates a glide path for the following instrument.



Recommendations for Problem-Free Use

- ✓ If the instrument does not advance in the canal, pull it back 1-2 mm and work with brushing movements on the canal walls to widen the canal. The file should then advance without exerting pressure.
- ✓ Irrigate the root canal according to the appropriate irrigation protocol.
- ✓ The chelator FileCare®EDTA will facilitate the progression of the instrument in the canal.

Warnings

- △ Do not probe the pulp chamber floor with the Mtwo® 10/.04!
- △ Do not use the instrument in a picking movement!
- △ Do not force the instrument to reach working length!
- △ Bring the instrument to working length only once and then proceed immediately to the next instrument in the sequence!

Root Canal Preparation with Mtwo®

The Possibilities



VDW® STERILE

Look for the red dot.
Over 30 years' experience
in sterile endo products.

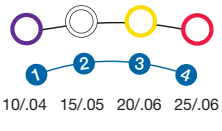
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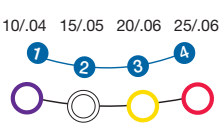
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Preparation Possibilities

Basic Sequence

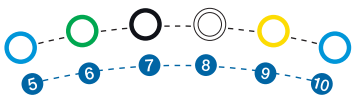




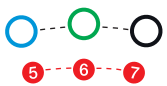


Preparation of Larger Canal Anatomies

1



2





Obturation Methods

Cold Obturation

Mtwo® Guttapercha

Warm Obturation

GUTTAFUSION®

Warm Obturation

GUTTAFUSION®

BeeFill®2in1

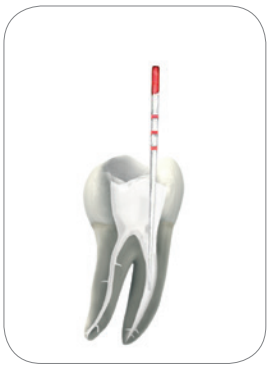
The Final Steps

The Mtwo® system has a full range of products for the final steps, depending on the size of the final instrument used, e. g. 25/.06.

Final File

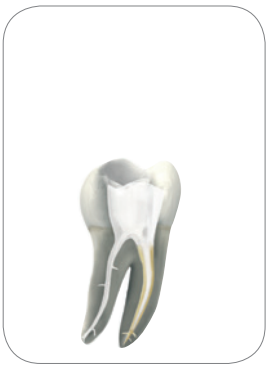


Paper Point



✓ Dry the canal with appropriately sized Mtwo® Paper Point.

Sealer



✓ Apply sealer.



Obturation Techniques

After preparation of root canals with the Mtwo® basic sequence (10/.04 – 25/.06), any obturation method may be used.

Cold Obturation

Mtwo® Gutta-Percha

Insert an Mtwo® Gutta-Percha point according to the size of the last instrument used and, as required, compact laterally.



Warm Obturation

GUTTAFUSION®
Warm Vertical Carrier Technique

Insert a GUTTAFUSION® obturator selected with the use of a GUTTAFUSION® Size Verifier.



Warm Obturation

BeeFill® 2in1
Vertical Compaction

Insert an Mtwo® Gutta-Percha master point, then use downpack and backfill techniques.

