

+
**WE
KNOW
ENDO.**

130 YEARS

MAILLEFER
TruNatomy™

True, Natural, Anatomy

A solution that adapts to you, leveraging your expertise.

dentsplysirona.com/trunatomy

 **Dentsply
Sirona**

Introducing **TruNatomy™**, the latest creation from **Dentsply Sirona** that is part of a long tradition of successful endodontic treatment solutions. This tradition includes recognised brands such as **ProTaper** and **WaveOne**, both known and trusted around the world for their reliability and performance.



Dr. George Bruder (DMD)

Dr. Ove Peters (DMD, MS, PhD)

TruNatomy's unique combination of features was developed in partnership with skilled practitioners **Dr. George Bruder** and **Dr. Ove Peters**, leaders in the field of endodontics, with **Dentsply Sirona's** Maillefer Research and Development Engineering teams. **TruNatomy™** combines Swiss precision with advanced engineering to offer the benefits of improved performance with increased respect of the tooth anatomy.¹

¹ Compared to ProTaper Next®.

The new **TruNatomy™** solution offers:

- Smooth feeling during preparation
- Improved performance and efficacy¹
- More space for debridement and debris removal¹
- Respect of the natural tooth anatomy
- Preservation of tooth structure

TruNatomy™ features products for each step of the root canal treatment that work together smoothly:

- **Glide Path** and Shaping Files
- Dedicated **Absorbent Points**
- Dedicated **Conform Fit™ Gutta-Percha Obturation Points**
- Dedicated **Irrigation Needle**



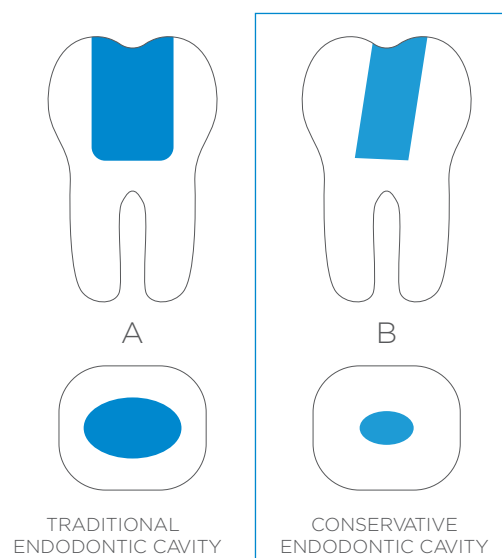
¹ Compared to ProTaper Next®.

ENDODONTIC ACCESS

Successful root canal treatment starts with adequate access to the pulp chamber. The ideal procedure provides access to root canal orifices with minimal loss of dentine.

Retaining dentine serves as the critical base for a quality restoration following root canal treatment. The more dentine preserved during an endodontic treatment, the more options there will be to perform a successful, durable restoration.¹

Therefore, a Conservative Endodontic Cavity (CEC) is recommended with the **TruNatomy™** system.



EQUIPMENT

Designed with practicality and ease of use in mind, **TruNatomy™** is compatible with **Dentsply Sirona's** wide range of equipment.



This includes:

X-Smart IQ® Handpiece

A motor offering complete freedom of movement.

- A slim, well-balanced and cordless handpiece
- Easy access and excellent visibility
- Quickly switch from reciprocating to continuous motion

Endo IQ® App

Control all your IQ devices through the integrated Endo IQ® app.

- Enhances the functionality of your IQ devices
- Enables apical-reverse and shaping target features (only with app)
- Supports all iPad® sizes in landscape mode

Propex IQ® Apex Locator

Attractive and ergonomic design.

- Future proof. Firmware can be upgraded via an app update
- Guarantees reliable monitoring of file progression
- Lightweight, ultra portable, weighing only 80 grams

How small should the access cavity be?

Our recommendation is for the orifice to be "as small as practical"² given the clinical case. Therefore, Conservative Endodontic Cavity (CEC) is recommended above other options.

¹ Internal data.

² Schilder H. Cleaning and shaping the root canal. Dent Clin North Am 1974;18:269-96.

INSTRUMENTATION



PREPARING THE CANAL

The **TruNatomy™ Orifice Modifier** adapts the shape of the orifice to create the ideal entry point for the **TruNatomy™ Glider** and **TruNatomy™** Shaping Files. This file contributes to preserve the coronal anatomy due to its flexibility, diameter and heat-treated NiTi alloy. It is also ideal for cases in which the canal is not vertically oriented as it can enter the tooth from different angles.¹ The **TruNatomy™ Orifice Modifier** is recommended in the basic **TruNatomy™** sequence.

GLIDE PATH

The efficacy of root canal preparation is significantly enhanced when an effective, reproduceable glide path is created.² For that, the **TruNatomy™** system features a dedicated glide path instrument.

All files operate at higher speed with less torque: 500 rpm and 1.5 torque

- Operates at a higher speed with less torque³
- With just two cutting edges,⁴ it encounters less resistance and thus requires less applied pressure, ensuring precision with increased ease of use
- Thermal treatment provides greater flexibility with improved fatigue resistance⁴



TruNatomy™ Orifice Modifier



TruNatomy™ Glider



TruNatomy™ Small Shaping File



TruNatomy™ Prime Shaping File



TruNatomy™ Medium Shaping File

SHAPING

TruNatomy™ Shaping Files are available in three different sizes and lengths to treat a wide range of cases. While the **TruNatomy™ Prime** Shaping File is appropriate for most cases, two additional shaping files, the **TruNatomy™ Small** and the **TruNatomy™ Medium**, are available to address both smaller and larger canals¹. The clinician will experience a fluid transition between the **TruNatomy™** Shaping Files.

TRUNATOMY™ OFFERS SUPERIOR EFFICIENCY

All three shaping files offer a slim shape combined with a unique cross-section for better performance while providing more space for superior debris debridement.

- Slim NiTi wire design: **0.8 mm maximum flute diameter (MFD)** instead of up to 1.2 mm for most generic variable tapered files
- Off-centered cross-section
- Operates at a higher speed with less torque³

Up to **3** times more flexible than ProTaper Next®

TRUNATOMY™ ENSURES BETTER RESPECT OF THE NATURAL TOOTH ANATOMY

The instrument is made of special NiTi heat-treated wire that provides higher flexibility, allowing the file to be **pre-curved** when needed. Thanks to its superior canal-centering ability⁵, the instrument is designed to adapt to the canal, not the other way around.

I thought endo was all about removing bacteria.

Yes, that is a very important goal but the overarching goal is to aid in the retention of a functional dentition.

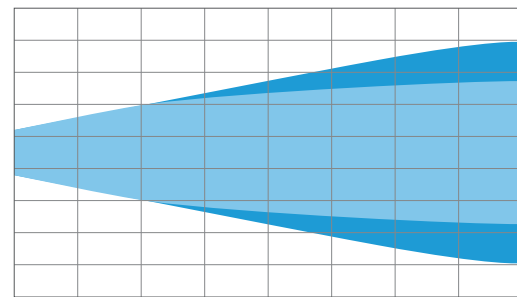
¹ Internal data.

² Elmaghy & Elsaka. J Endod. 2014 Dec;40(12):2053-6. | ³ 500 rpm vs traditional file speed like ProGlider and ProTaper Next® (300 rpm).

⁴ Compared to 4 for ProTaper Gold. | ⁵ Compared to ProTaper Next®.

TRUNATOMY™ PRESERVES STRUCTURAL DENTIN

The union of the file geometry, regressive tapers and the slim, highly-flexible wire enables efficient root canal treatment while removing only dentine where clinically needed.¹



● TruNatomy™ Prime ● Generic progressive tapered file

A UNIQUE COMBINATION OF FEATURES

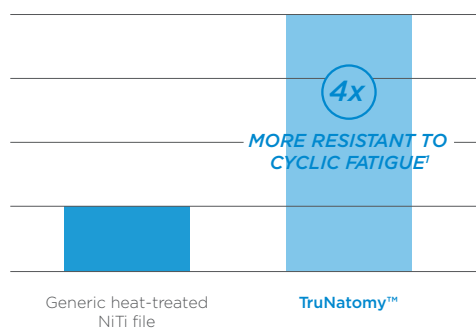
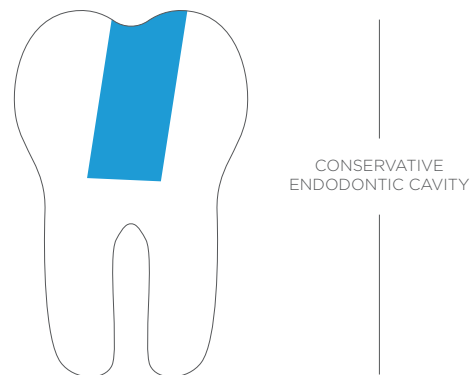
- Off-Centered cross section shaping files with regressive taper
- **0.8 MFD**, smaller NiTi wire with a heat treatment
- The combination of the file design and heat treatment result in flexibility tailored to the specific purpose of each instrument
- Higher flexibility and resistance to cyclic fatigue enabling **pre-curving** and memory shape
- **9.5 mm shaft** fitting contra-angle micro heads and the pre-curving capability **enable molar access**¹



TRUNATOMY™ ADAPTS TO YOU, LEVERAGING YOUR EXPERTISE

Conservative Endodontic Cavity:

- Access is now possible from different angles while until now, structure needed to be sacrificed (traditional endodontic cavity)¹
- No need for straight line access¹



TRUNATOMY™ ENHANCES PATIENT SAFETY

TruNatomy™ files provides enhanced safety as the risk of breakage is reduced due to its greater flexibility and resistance to cyclic fatigue.²

TRUNATOMY™ SAVES YOU TIME

TruNatomy™ is an intuitive, straightforward and easy-to-learn endo solution.¹ Also, as it requires less shaping time,² this allows more time for **irrigation**.

TruNatomy™ preparations seem narrow. Can I still obturate properly?

Yes, the **TruNatomy™ Conform Fit™ Gutta-Percha Points** are designed to perfectly match the preparations made with **TruNatomy™** files and ensure an optimal obturation.

¹ Internal data.

² Compared to ProTaper Next®.

IRRIGATION & OBTURATION

FOR APPROPRIATE DISINFECTION

The **TruNatomy™ Irrigation Needle**¹ complements the treatment sequence.

- The **back to back two-sided vent design** maintains a balanced irrigation solution volume for greater control throughout the canal
- Its soft polypropylene allows the needle to curve and **flex easily** to follow the root canal anatomy
- The plastic body makes the needle **atraumatic** for hard tissues



The **EndoActivator®** agitates the irrigation solutions during endodontic treatment to enhance deep cleaning and disinfection. Evidence-based endodontics has shown that cavitation and acoustic streaming significantly improve debridement and the disruption of the smear layer and biofilm.

Activated fluids promote deep cleaning and disinfection into lateral canals, fins, webs and anastomoses. A cleaned root canal system facilitates 3D obturation and long-term success. The **EndoActivator®** with the small tip (15.02) is recommended for use with **TruNatomy™**.



FOR APPROPRIATE OBTURATION

Dedicated **TruNatomy™** obturation solutions include **Absorbent Points** and variable tapered **Conform Fit™ Gutta-Percha Points**. Color coding adapted sizes for convenient use.



TruNatomy™ Absorbent Points are:

- New tapered **TruNatomy™ Absorbent Points** to dry **TruNatomy™** shapes
- Ready to use
- Packaged in individual sterile packs of 5 points

TruNatomy™ Conform Fit™ Gutta-Percha Points are made to match the precise shapes created by the **TruNatomy™** instruments.

- Variable taper as the file
- Precise fit and accurate tug back
- Not made with natural rubber latex
- Improved heat transfer up to 5 mm¹

TruNatomy™ preparations seem very narrow. How can I irrigate?

*The **TruNatomy™ Irrigation Needle's** flexibility allows it to progress apically in curved canals below 12 mm.*

¹ Internal data.

PRODUCT REFERENCES



TRUNATOMY™ ORIFICE MODIFIER

B ST TNMY 316 OMD | TruNatomy Orifice Modifier 16 mm | x3



TRUNATOMY™ SEQUENCE

B ST TNMY 321 SQC | TruNatomy Sequence 21 mm | x3
 B ST TNMY 325 SQC | TruNatomy Sequence 25 mm | x3
 B ST TNMY 331 SQC | TruNatomy Sequence 31 mm | x3



TRUNATOMY™ GLIDER

B ST TNMY 321 GLR | TruNatomy Glider 21 mm | x3
 B ST TNMY 325 GLR | TruNatomy Glider 25 mm | x3
 B ST TNMY 331 GLR | TruNatomy Glider 31 mm | x3



TRUNATOMY™ IRRIGATION NEEDLE

B NS TNIRD 2230 G | TruNatomy Irrigation Needle 30 g | x40



TRUNATOMY™ SHAPING FILE - SMALL

B ST TNMY 321 SML | TruNatomy Small 21 mm | x3
 B ST TNMY 325 SML | TruNatomy Small 25 mm | x3
 B ST TNMY 331 SML | TruNatomy Small 31 mm | x3



TRUNATOMY™ ABSORBENT POINTS

B ST TNPP 000 SML | TruNatomy Absorbent Points Small | x180
 B ST TNPP 000 PRM | TruNatomy Absorbent Points Prime | x180
 B ST TNPP 000 MED | TruNatomy Absorbent Points Medium | x180
 B ST TNPP 000 AST | TruNatomy Absorbent Points Assortment | x180



TRUNATOMY™ SHAPING FILE - PRIME

B ST TNMY 321 PRM | TruNatomy Prime 21 mm | x3
 B ST TNMY 325 PRM | TruNatomy Prime 25 mm | x3
 B ST TNMY 331 PRM | TruNatomy Prime 31 mm | x3



TRUNATOMY™ CONFORM FIT™ GUTTA-PERCHA OBTURATION POINTS

B 00 TNGP F00 SML | TruNatomy Conform Fit Small | x60
 B 00 TNGP F00 PRM | TruNatomy Conform Fit Prime | x60
 B 00 TNGP F00 MED | TruNatomy Conform Fit Medium | x60
 B 00 TNGP F00 AST | TruNatomy Conform Fit Assortment | x60



TRUNATOMY™ SHAPING FILE - MEDIUM

B ST TNMY 321 MED | TruNatomy Medium 21 mm | x3
 B ST TNMY 325 MED | TruNatomy Medium 25 mm | x3
 B ST TNMY 331 MED | TruNatomy Medium 31 mm | x3

EQUIPMENT & ACCESSORIES

B 00 PPIQ XIQ KIT | X-Smart IQ & Propex IQ Basic Starter Kit
 • X-Smart IQ Handpiece
 • Propex IQ Apex Locator
 • Endo IQ iPad Stand
 A 10 5400 000 000 | X-Smart IQ Basic Starter Kit
 B 00 PPIQ 000 000 | Propex IQ Apex Locator
 A 09 1100 000 000 | Endo Activator System Kit



TRUNATOMY™ ASSORTMENT

B ST TNMY 521 AST | TruNatomy Assortment 21 mm | x5
 B ST TNMY 525 AST | TruNatomy Assortment 25 mm | x5
 B ST TNMY 531 AST | TruNatomy Assortment 31 mm | x5

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