

+
**WE
KNOW
ENDO.**

MAILLEFER
TruNatomy™

True, Natural, Anatomy

Discover a solution that follows the shape of the various canals, preserving the natural tooth structure.¹

dentsplysirona.com/trunatomy



¹ Internal Data

 **Dentsply
Sirona**

Why dentin preservation?

Research has shown that instrumentation can compromise the strength of the tooth—but this decreases as more dentin is saved.¹ In other words, part of saving more teeth is saving more tooth.

The TruNatomy™ solution:

Experience the TruNatomy™ solution which lets you perform root canal treatments smoothly and with control.² TruNatomy™ preserves as much dentin as possible³ and offers a complete solution including matching irrigation and obturation.



Photos courtesy of Dr. Ahmed Salman



TruNatomy™ is an intuitive, straightforward and easy-to-learn endo solution.⁸ It was developed in partnership with skilled practitioners Dr. Ove Peters (left) and Dr. George Bruder (right), leaders in the field of endodontics. TruNatomy™ combines Swiss precision with advanced engineering.

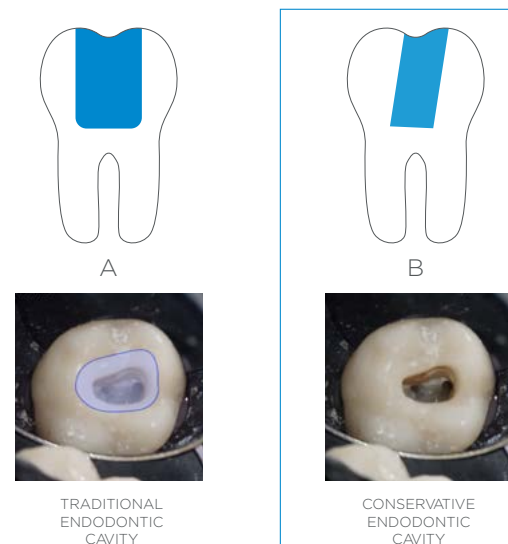
PREPARING THE CANAL

The prognosis of root-filled teeth depends not only on the success of the endodontic treatment but also on the amount of remaining dentin tissue.⁴

The **TruNatomy™ Orifice Modifier** shapes the orifice to create the entry point. No need for straight line access.³



TruNatomy™ Orifice Modifier



Photos courtesy of Dr. Ahmed Salman

The efficacy of root canal preparation is significantly enhanced when an effective, reproduceable glide path is created.⁵

The design of the dedicated glide path instrument **TruNatomy™ Glider** ensures precision with increased ease of use.³



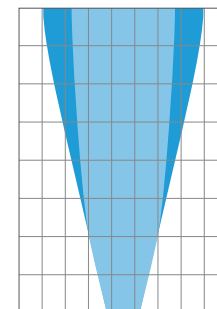
TruNatomy™ Glider

SHAPING

A unique combination of features enables efficient root canal treatment while removing dentin only where needed.³

TruNatomy™ preserves structural dentin,³ leaving more options for restoration and enabling longer lasting natural teeth thanks to its:

- **0.8mm maximum flute diameter** of special heat treated NiTi wire⁶—our smallest wire
- Patented off-centered cross section shaping files with regressive taper for superior efficiency⁷
- Superior canal-centering ability,⁷ designed to adapt to the canal, not the other way around
- Pre-curvability and our smallest shaft with 9.5mm **enable molar access**³



- TruNatomy™ Prime
- Generic progressive tapered file

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



The **TruNatomy™ Shaping File Prime** is appropriate for most cases.



TruNatomy™ Shaping File PRIME

Two additional shaping files are available to address both smaller and larger canals.³

IRRIGATION

Regardless of the file system being used, up to 35 % of the canal walls remain untouched by instruments.⁹

The **TruNatomy™ irrigation needle** complements the treatment sequence.

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

TruNatomy™ Irrigation Needle



Tissue dissolved 12 times faster when continuously agitated as compared to no agitation.¹⁰

The **EndoActivator®** Small tip (15.02) agitates the irrigation solutions during endodontic treatment to enhance deep cleaning and disinfection.



OBTURATION

Gutta-Percha sizing is inconsistent with many manufacturers.¹¹

TruNatomy™ Conform Fit™ Gutta-Percha is variable tapered, designed to match the precise shapes created by TruNatomy™ files to ensure an optimal obturation.

Advantages of TruNatomy™ Conform Fit™ Gutta-Percha:

- Injection molded, variable taper as the file
- Precise fit for the right tug back
- 40% more consistent shape than traditional gutta-percha⁸
- Color coded, adapted sizes ready for use
- Improved heat transfer up to 5mm beyond the heat source⁸
- Gutta-percha without natural rubber latex



TruNatomy™ Conform Fit™ Gutta-Percha PRIME

New tapered **TruNatomy™ Absorbent Points** to dry TruNatomy™ shapes:

- In sterile packs, ready to use
- Color coded, adapted sizes ready for use



TruNatomy™ Absorbent Points PRIME

#followthebluelines

¹ Sedgley CM, Messer HH. Are endodontically treated teeth more brittle? J Endod. 1992 Jul;18(7):332-5

² User evaluation

³ Internal data

⁴ Kishen, A. Mechanisms and risk factors for fracture predilection in endodontically treated teeth. Endodontic Topics 2006, 13, 57-83

⁵ Elnaghy & Elsaka. J Endod. 2014 Dec;40(12):2053-6.

⁶ Instead of up to 1.2mm for most generic variable tapered files

⁷ Internal data compared to ProTaper Next®

⁸ Internal data

⁹ Peters, O. A., K. Schonenberger, and A. Laib. "Effects of Four Ni-Ti Preparation Techniques on Root Canal Geometry Assessed by Micro Computed Tomography." International Endodontic Journal Int Endod J 34.3 (2001): 221-30

¹⁰ Stojicic, Sonja, Slavoljub Zivkovic, Wei Qian, Hui Zhang, and Markus Haapasalo. "Tissue dissolution by sodium hypochlorite: effect of concentration, temperature, agitation, and surfactant." Journal of endodontics 36, no. 9 (2010): 1558-1562.

¹¹ Marroquin et al. Int Endod J. 2001 Jan;34(1):23-8

PRODUCT REFERENCES

TRUNATOMY™ ORIFICE MODIFIER

B ST TNMM 416 OMD TruNatomy Orifice Modifier 4-files 16mm MU

TRUNATOMY™ GLIDER

B ST TNMM 421 GLR TruNatomy Glider 4-files 21mm MU
B ST TNMM 425 GLR TruNatomy Glider 4-files 25mm MU
B ST TNMM 431 GLR TruNatomy Glider 4-files 31mm MU

TRUNATOMY™ SHAPING FILE - SMALL

B ST TNMM 421 SML TruNatomy Small 4-files 21mm MU
B ST TNMM 425 SML TruNatomy Small 4-files 25mm MU
B ST TNMM 431 SML TruNatomy Small 4-files 31mm MU

TRUNATOMY™ SHAPING FILE - PRIME

B ST TNMM 421 PRM TruNatomy Prime 4-files 21mm MU
B ST TNMM 425 PRM TruNatomy Prime 4-files 25mm MU
B ST TNMM 431 PRM TruNatomy Prime 4-files 31mm MU

TRUNATOMY™ SHAPING FILE - MEDIUM

B ST TNMM 421 MED TruNatomy Medium 4-files 21mm MU
B ST TNMM 425 MED TruNatomy Medium 4-files 25mm MU
B ST TNMM 431 MED TruNatomy Medium 4-files 31mm MU

TRUNATOMY™ SEQUENCE

B ST TNMM 321 SQC TruNatomy Sequence 3-file 21mm MU
B ST TNMM 325 SQC TruNatomy Sequence 3-file 25mm MU
B ST TNMM 331 SQC TruNatomy Sequence 3-file 31mm MU

TRUNATOMY™ ASSORTMENT

B ST TNMM 521 AST TruNatomy Assort 5-file 21mm MU
B ST TNMM 525 AST TruNatomy Assort 5-file 25mm MU
B ST TNMM 531 AST TruNatomy Assort 5-file 31mm MU

TRUNATOMY™ IRRIGATION NEEDLE

B NS TNIR D22 30G TruNatomy™ Irrigation Needle 30 Gauge x40

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™ 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™ SOLUTION KIT

B 00 TNMM 000 KIT



- 5 TruNatomy Sequence 3-Files 25mm MU
- 1 TruNatomy Orifice Modifier 3-Files 16mm MU
- 1 TruNatomy Glider 3-Files 25mm MU
- 1 TruNatomy Small 3-Files 25mm MU
- 1 TruNatomy Prime 3-Files 25mm MU
- 1 TruNatomy Medium 3-Files 25mm MU
- 1 TruNatomy Conform Fit™ Gutta Percha Assortment
- 1 TruNatomy Paper Points Assortment
- 9 TruNatomy Irrigation Needle 30 Gauge

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