

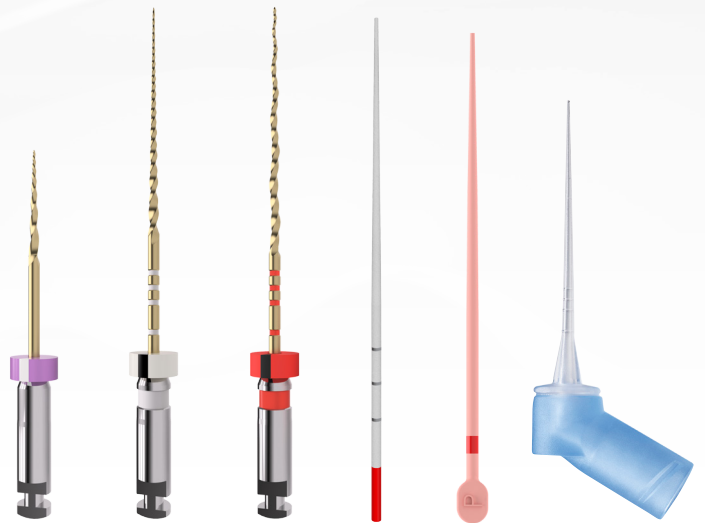
+
**WE
KNOW
ENDO.**

MAILLEFER
TruNatomy™

True, Natural, Anatomy

Discover a solution that focus on dentin preservation and more complicated cases such as fragile, curved roots and obliterated canals.

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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

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.

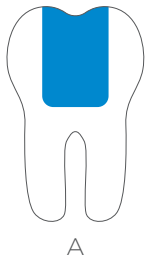
PREPARING THE CANAL

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

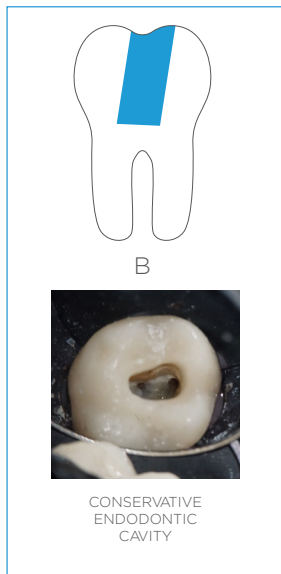


TruNatomy™ Orifice Modifier



TRADITIONAL
ENDODONTIC
CAVITY

Photos courtesy of Dr. Ahmed Salman



CONSERVATIVE
ENDODONTIC
CAVITY

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



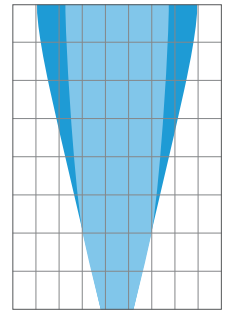
TruNatomy™ Glider

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 flute diameter of special heat treated NiTi wire⁶ - our smallest wire
- Patented off-centered cross section 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 small 9.5mm shaft enable molar access³



- 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

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*



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.

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.



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 consist 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



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

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



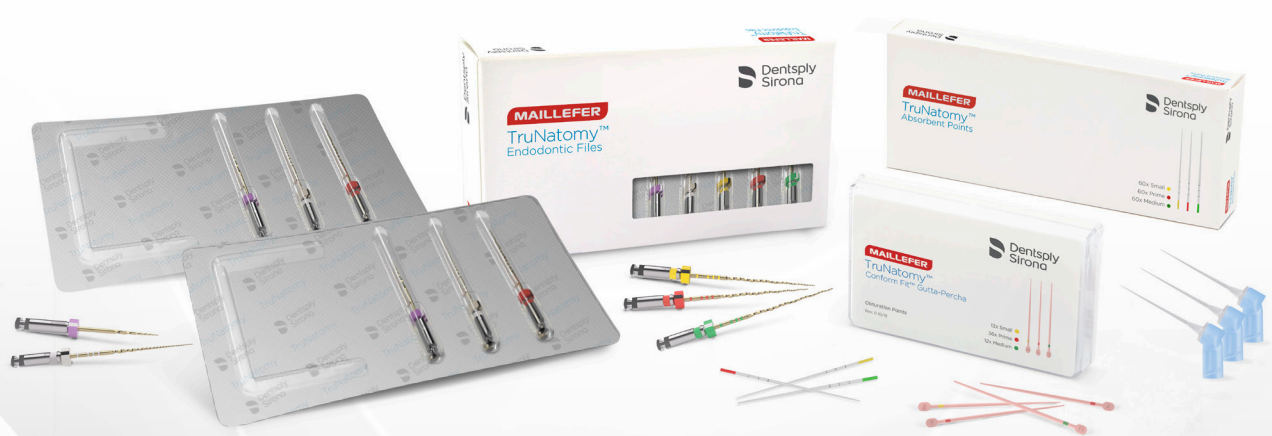
 #followthebluelines

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 TNMY 616 OMD TruNatomy™ Orifice Modifier 16mm x6

TRUNATOMY™ IRRIGATION NEEDLE



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

TRUNATOMY™ GLIDER



B ST TNMY 621 GLR TruNatomy™ Glider 21mm x6
 B ST TNMY 625 GLR TruNatomy™ Glider 25mm x6
 B ST TNMY 631 GLR TruNatomy™ Glider 31mm x6

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 - SMALL



B ST TNMY 621 SML TruNatomy™ Small 21mm x6
 B ST TNMY 625 SML TruNatomy™ Small 25mm x6
 B ST TNMY 631 SML TruNatomy™ Small 31mm x6

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 - PRIME



B ST TNMY 621 PRM TruNatomy™ Prime 21mm x6
 B ST TNMY 625 PRM TruNatomy™ Prime 25mm x6
 B ST TNMY631 PRM TruNatomy™ Prime 31mm x6

TRUNATOMY™ KITS

B 00 XSIQ TNR KIT



X-Smart IQ® TruNatomy™ Starter Kit

- X-Smart IQ® Motor Handpiece
- X-Smart IQ® Contra-angle
- X-Smart IQ® iPad Stand
- X-Smart IQ® iPad Mini Protective Case
- 8 blisters TruNatomy™ Assortment: Orifice Modifier to Medium Shaping File, 25mm - 30 files

TRUNATOMY™ SHAPING FILE - MEDIUM



B ST TNMY 621 MED TruNatomy™ Medium 21mm x6
 B ST TNMY 625 MED TruNatomy™ Medium 25mm x6
 B ST TNMY 631 MED TruNatomy™ Medium 31mm x6

TRUNATOMY™ SEQUENCE



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

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