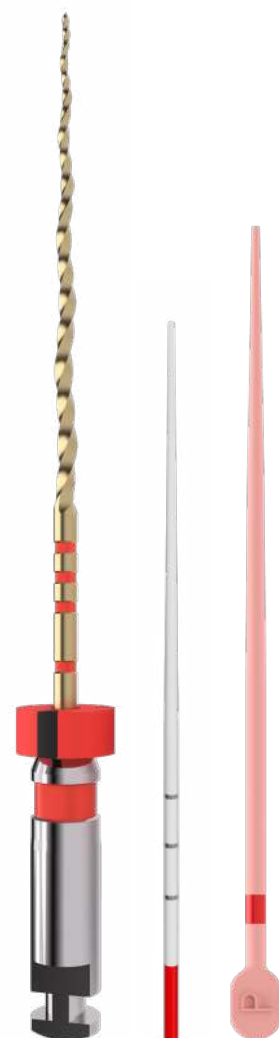


TruNatomy®
Less is more



MAILLEFER

A brand of Dentsply Sirona

TRUSTED
ENDO
PARTNER

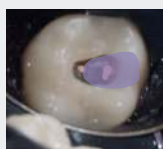
Shaping

Why dentin preservation? Research¹ has shown that instrumentation can compromise the strength of the tooth - but strength is restored when more dentin is saved.

Access the canal with the Orifice Modifier, an instrument designed to modify the canal orifice.



VS



Traditional endodontic cavity

Conservative endodontic cavity

Secure your Glide Path with TruNatomy® glider.

According to a study from Elnaghy & Elsaka from 2014, the efficacy of the root canal preparation is significantly enhanced when an effective, reproduceable glide path is created.³



Precise speed control at low torque

Constant, stable speed control at low torque for improved procedural control with TruNatomy® files.

All files operate at 500 rpm and 1.5 Ncm - no need to change your setting when changing files.

Smaller active length²: 7 mm
Constant taper

MFD: 0.8 mm
Our smallest wire²

9.5 mm shank

Completely fits in our Dentsply Sirona microhead contra-angles ranges

Orifice Modifier 20.08

Glider 17.02V*

Variable Progressive Taper



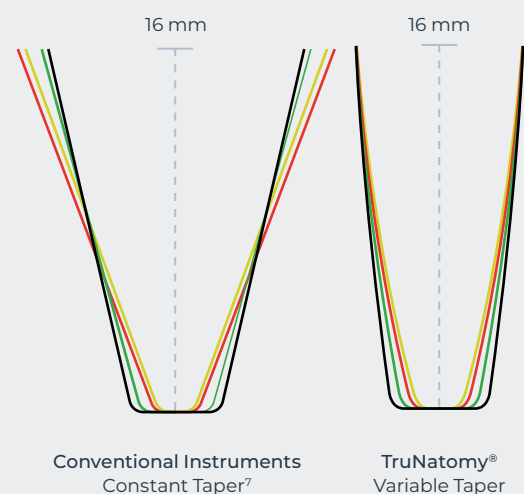
Parallelogram shaped cross section with 2 cutting edges

*The taper indicated is the average of all tapers and not the taper at the tip. The "V" indicates that the taper is variable.

Shaping instruments designed to preserve more dentin.

Comparison of taper: conventional instruments vs. TruNatomy®

● Prime ● Small ● Medium ● Large



A case of calcified and curved canals treated with TruNatomy®, courtesy of Dr. Miraglia



Pre op



Post op



Regressive variable taper.
Active length: 16 mm



Parallelogram shaped off-centered cross-section removing up to 18% more debris⁴

NiTi wire with dedicated heat treatment offers pre-curving capability and superior cyclic fatigue resistance⁵

Removing dentin apically while being conservative coronally⁶

MFD 0.8 mm, our slimmest mechanized file²

Colored calibration rings

Colored silicone stop

9.5 mm shank

Available in 4 sizes

● Prime ● Medium
● Small ● Large

3 lengths: 21, 25, 31 mm

Prime 26.04v*

1. Sedgley CM, Messer HH. Are endodontically-treated teeth more brittle? J Endod. 1992 Jul;18(7):332-5; Ferrari M, Vichi A, Fadda GM, Cagidiaco MC, Tay FR, Breschi L, Polimeni A, Goracci C. A randomized controlled trial of endodontically treated and restored premolars. J Dent Res. 2012 Jul;91(7 Suppl):725-785; Schwartz and Canakapelli, Best Practices in Endodontics, A Desk Reference, Quintessence books, 2015. Marvaniya J, Agarwal K, Mehta DN, Parmar N, Shyamal R, Patel J. Minimal Invasive Endodontics: A Comprehensive Narrative Review. Cureus. 2022 Jun 16;14(6):e25984. 2. Smaller: compared to ProTaper Next SX 14.5 mm length and 1.2mm wire diameter. Smallest wire within Dentsply Sirona mechanized shaping NiTi files. 3. Elnaghy AM, Elsaka SE. Evaluation of root canal transportation, centering ratio, and remaining dentin thickness associated with ProTaper Next instruments with and without glide path. J Endod. 2014 Dec;40(12):2053-6 4. Compared to ProTaper Next. Debris volume is calculated based on 3D drawings comparing TruNatomy Prime and ProTaper Next. 5. Compared to ProTaper Next: TruNatomy Prime 3.5 times more resistant than PTN X2. Based on fatigue resistance bench tests using 50 instruments per size from 3 different lots. 6. 50% less dentin removal vs ProTaper Next. Based on internal laboratory tests using 30 plastic blocks for each instrument. 7. simulation of constant taper done with same apical taper as TruNatomy instruments. For more information, contact Consumables-Data-Requests@dentsplysirona.com

Cleaning

Irrigate and activate.



Irrigation needle



Flexible

- Advanced technology with two lateral openings aimed directly at the dentinal walls.
- Soft polypropylene allows the needle to curve and to deliver irrigation solution close to the apex.



Atraumatic

- Closed end reduces risk of extrusion at the apex.
- Plastic body makes it atraumatic for hard tissues.

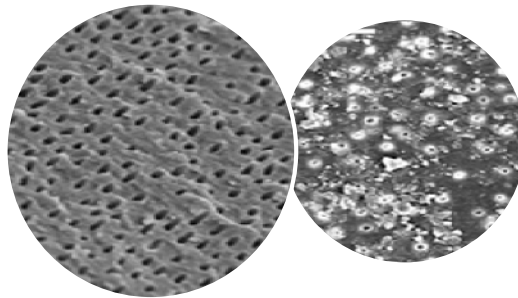
SmartLite Pro EndoActivator®

More opened dentinal tubules

Passive soaks aren't enough. Activating irrigant solution produces a surface with more opened dentinal tubules, providing better obturation of lateral and accessory canals.⁸

Treated with SmartLite Pro EndoActivator®

Untreated



Obturation

Reliable seal and optimized fit.

AH Plus® Resin based Root Canal Sealer



Endo Sealer Gold Standard⁹

The world's most researched endodontic sealer brand and proven clinical success with more than 100 Million root canal fillings.⁹

Conform Fit® Gutta-Percha Point

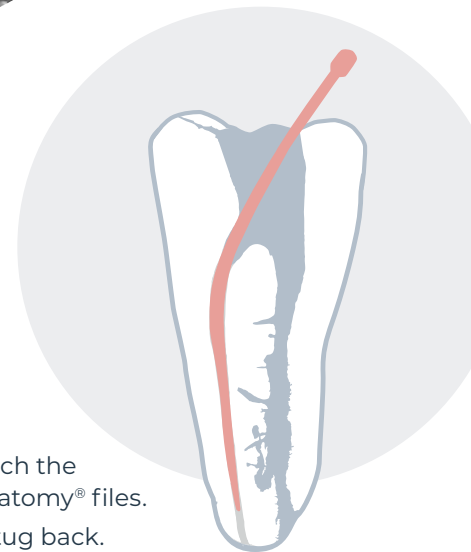


Precise

- Variable tapered to match the shapes created by TruNatomy® files.
- Precise fit for the right tug back.
- 40% more accurate than traditional hand-rolled gutta-percha.¹⁰

AH Plus Jet®

Controlled mixture of both pastes – No manual mixing.



8. Kanter V, Weldon E, Nair U, et al. A quantitative and qualitative analysis of ultrasonic versus sonic endodontic systems on canal cleanliness and obturation. Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2011;112(6):809-813. doi:10.1016/j.tripleo.2011.06.002 9. Selvanathan MJ Vinola, Sekar Mahalaxmi, Characterisation and evaluation of physical properties of AH-Plus sealer with and without the incorporation of petasin, pachymic acid, curcumin and shilajit-an invitro study. BMC Oral Health, 24, Article number: 352 (2024) 10. According to the calculation of the different tolerances between ISO Standard and Conform Fit specifications. For more information, contact Consumables-Data-Request@dentsplysirona.com

When performing root canals, without preservation much can be lost. Are you ready to change your mindset: remove LESS dentin and preserve MORE tooth structure?¹⁰

What the science is saying about TruNatomy®



TruNatomy® Files can be used to preserve the remaining critical dentin during root canal preparation.

The impact of coronal Flaring files on pericervical dentin thickness in Mandibular molars, Sariyilmaz et al. JOE, Vol 50, Number 4, April 2024



Looking for more science based evidence?

What they like about TruNatomy®



TruNatomy® respects the anatomy without compromising the ability to irrigate.

Dr. Jon Cowie



TruNatomy® is a conservative and flexible root canal shaping system: a larger tapered instrument would have weakened the tooth.

Dr. Mauro Amato



TruNatomy® system facilitates the treatment of calcified and curved canals by focusing on dentin preservation.

Dr. Juan Pablo Miraglia



Looking for more Clinical cases?

Quality at Dentsply Sirona

Trust is built on our commitment to quality, innovation, and global presence. We uphold the highest standards, using advanced technologies and rigorous quality checks. Our groundbreaking innovations, like patented file designs and custom machinery, redefine endodontics, enhancing treatment outcomes and simplifying workflows.

With manufacturing in Switzerland, Germany, and the USA, and presence in over 100 countries, our proximity to clinicians fosters strong relationships. We support this with education and partnerships, collaborating with 400+ universities and Key Opinion Leaders.

Our excellence is proven by certifications, numerous patents, and 140+ million instruments produced yearly. Each achievement reflects our relentless pursuit of trust and excellence in endodontics.

Your **TruNatomy®** files are manufactured in our Swiss-based manufacturing center of Ballaigues, also hosting our global R&D center for Endodontics. Center of Excellence for Endodontics since 1889!



**TRUSTED
ENDO
PARTNER**

¹⁰. By design, TruNatomy range has a small diameter and therefore removing 50% less dentin than ProTaper Next, therefore preserving more tooth structure. Based on laboratory tests using 30 plastic blocks for each instrument.

TruNatomy® Product References

TruNatomy® Orifice Modifier (20.08)

	3 x 16 mm	B ST TNMY 316 OMD
	6 x 16 mm	B ST TNMY 616 OMD

TruNatomy® Glider (17.02v)

	3 x 21 mm	B ST TNMY 321 GLR
	3 x 25 mm	B ST TNMY 325 GLR
	3 x 31 mm	B ST TNMY 331 GLR
	6 x 21 mm	B ST TNMY 621 GLR
	6 x 25 mm	B ST TNMY 625 GLR
	6 x 31 mm	B ST TNMY 631 GLR

TruNatomy® Shaping File - Small (20.04v)

	3 x 21 mm	B ST TNMY 321 SML
	3 x 25 mm	B ST TNMY 325 SML
	3 x 31 mm	B ST TNMY 331 SML
	6 x 21 mm	B ST TNMY 621 SML
	6 x 25 mm	B ST TNMY 625 SML
	6 x 31 mm	B ST TNMY 631 SML

TruNatomy® Shaping File - Prime (26.04v)

	3 x 21 mm	B ST TNMY 321 PRM
	3 x 25 mm	B ST TNMY 325 PRM
	3 x 31 mm	B ST TNMY 331 PRM
	6 x 21 mm	B ST TNMY 621 PRM
	6 x 25 mm	B ST TNMY 625 PRM
	6 x 31 mm	B ST TNMY 631 PRM

TruNatomy® Shaping File - Medium (36.03v)

	3 x 21 mm	B ST TNMY 321 MED
	3 x 25 mm	B ST TNMY 325 MED
	3 x 31 mm	B ST TNMY 331 MED
	6 x 21 mm	B ST TNMY 621 MED
	6 x 25 mm	B ST TNMY 625 MED
	6 x 31 mm	B ST TNMY 631 MED

TruNatomy® Shaping File - Large (46.02v)

	3 x 21 mm	B ST TNMY 321 LRG
	3 x 25 mm	B ST TNMY 325 LRG
	3 x 31 mm	B ST TNMY 331 LRG
	6 x 21 mm	B ST TNMY 621 LRG
	6 x 25 mm	B ST TNMY 625 LRG
	6 x 31 mm	B ST TNMY 631 LRG

TruNatomy® Sequence

	3 x 21 mm	B ST TNMY 321 SQC
	3 x 25 mm	B ST TNMY 325 SQC
	3 x 31 mm	B ST TNMY 331 SQC

TruNatomy® Assortment

	5 x 21 mm	B ST TNMY 521 AST
	5 x 25 mm	B ST TNMY 525 AST
	5 x 31 mm	B ST TNMY 531 AST
	6 x 21 mm	B ST TNMY 621 AST (with Large size)
	6 x 25 mm	B ST TNMY 625 AST (with Large size)
	6 x 31 mm	B ST TNMY 631 AST (with Large size)

Irrigation Needle

	x40	B NS DSIN D22 30G (30 Gauge)
	x5	B NS DSIN 522 30G (30 Gauge)

TruNatomy® Absorbent Points

	x180	B ST TNPP 000 SML Small
	x180	B ST TNPP 000 PRM Prime
	x180	B ST TNPP 000 MED Medium
	x180	B ST TNPP 000 LRG Large
	x180	B ST TNPP 000 AST Assortment
	x180	B ST TNPP 000 AS4 Assortment (4 sizes)

TruNatomy® Conform Fit® Gutta-Percha Obturation Points

	x60	B 00 TNGP F00 SML Small
	x60	B 00 TNGP F00 PRM Prime
	x60	B 00 TNGP F00 MED Medium
	x60	B 00 TNGP F00 LRG Large
	x60	B 00 TNGP F00 AST Assortment
	x60	B 00 TNGP F00 AS4 Assortment (4 sizes)

TruNatomy® Treatment Solution Kit

	B 00 TNMY TSO KIT
4	TruNatomy® Sequence 3-Files 25 mm
2	TruNatomy® Orifice Modifier 3- Files 16 mm
2	TruNatomy® Glider 3- Files 25 mm
2	TruNatomy® Small 3- Files 25 mm
2	TruNatomy® Prime 3- Files 25 mm
2	TruNatomy® Medium 3- Files 25 mm
1	TruNatomy® Absorbent Points Assortment
1	TruNatomy® Conform Fit® Assortment
2	Irrigation Needle (5 units)

AH Plus® Jet Sealer

	AH Plus Jet® Starter Kit	606.20.115
	1 x AH Plus Jet® Mixing Syringe, 15 g, 20 x Mixing Tips with Intraoral Tip, 1 x Mixing Pad, 1 x Illustrated Technique Guide, 1 x Organizer Tray	
	AH Plus Jet® Refill	606.20.118
	2 x AH Plus Jet® Mixing Syringe, 15 g MixingTips/Intra Oral Tips	606.20.116
	for AH Plus Jet® 40 x Mixing Tips with Intraoral Tip	

SmartLite Pro EndoActivator®

	644431	Complete kit
	644432	Refill kit
	644434	100 Barrier Sleeves
	644435	25 Tips Small (15/02) 22 mm
	644437	25 Tips Medium Long (25/04) 28 mm
	644438	Attachment

X-Smart® Pro+ /Pro Motor

	X-Smart® Pro+ Endo Motor with Integrated Apex Locator	6779016
	X-Smart® Pro+ Endo Motor with Integrated Apex Locator, Mini Contra Angle with Integrated LED, 360° Adjustable Position Stainless Steel Handpiece Sheath, Magnetic Handpiece Holder, Accessories Box (charger with universal power adapters), Lip Clip, File Clip, Y-Connector Cable	
	X-Smart® Pro Endo Motor	6779008
	X-Smart® Pro Endo Motor only, Mini Contra Angle with Integrated LED, 360° Adjustable Position Stainless Steel Handpiece Sheath, Magnetic Handpiece Holder, Accessories Box (Charger with universal power adapters)	

		
Files & Gutta-Percha	Maillefer Instruments Holding Sàrl, Chemin du Verger 3, 1338 Ballaigues, Switzerland	Dentsply DeTrey GmbH, De-Trey-Straße 1, 78467, Konstanz, Germany 2797
Absorbent Points	Dentsply Tulsa Dental Specialties, 608 Rolling Hills Drive, Johnson City, TN 37604, USA	Dentsply DeTrey GmbH, De-Trey-Straße 1, 78467, Konstanz, Germany 2797
Irrigation Needle	Produits Dentaires SA, Rue des Bosquets 18, 1800 Vevey, Switzerland	PD Dental EU, 74200 Thonon-les-Bains, France 1639
SmartLite Pro EndoActivator®	Dentsply LLC, 1301 Smile Way, York, PA 17404, USA	Dentsply DeTrey GmbH, De-Trey-Straße 1, 78467, Konstanz, Germany 2797
AH Plus Jet® Sealer	Dentsply DeTrey GmbH, De-Trey-Straße 1, 78467, Konstanz, Germany	0123
X-Smart® Pro+	Sirona Dental Systems GmbH, Fabrikstraße 31, 64625, Bensheim, Germany	0123