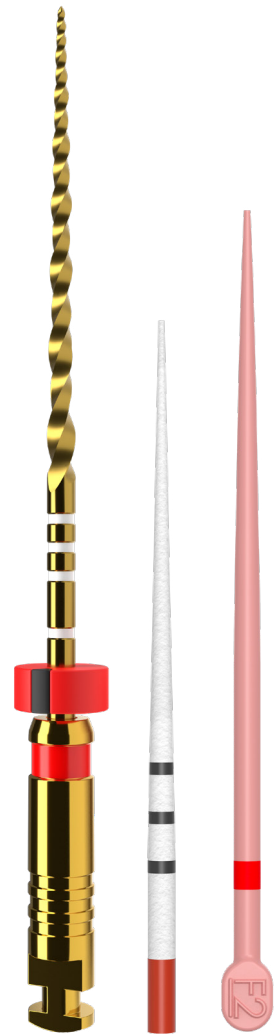


ProTaper Ultimate®  
The ultimate ProTaper



# Shaper and Finishers

## The DNA of ProTaper.

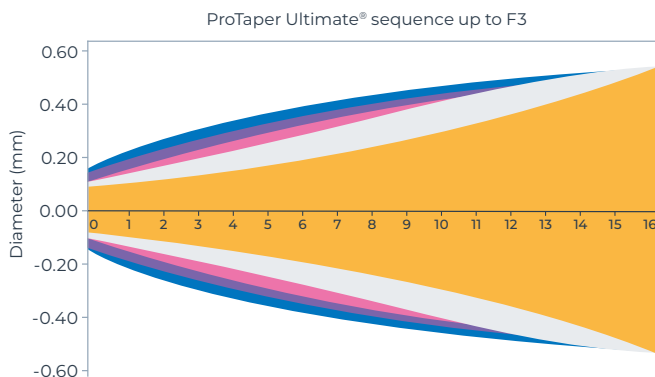
ProTaper Ultimate embraces the Deep Shape philosophy (increased apical taper), obtained by the specific design of its files.

### Tailored heat treatment for each instrument function



We know how important hand files are in your daily practice and how valuable they can be in certain clinical situations. Therefore ProTaper Ultimate full sequence is also available with manual handles.

- ProTaper Ultimate® F3
- ProTaper Ultimate® F2
- ProTaper Ultimate® F1
- ProTaper Ultimate® Shaper
- ProTaper Ultimate® Slider



## Scientific evidences

### Superior flexibility

Superior (or higher) flexibility than the previous generations of ProTaper<sup>1</sup>.



ProTaper Ultimate files are more resistant to unwinding than EdgeTaper Platinum files.<sup>2</sup>

Vs



ProTaper Ultimate files work faster than EdgeTaper Platinum files. Root canal shaping with ProTaper Ultimate is more efficient than with EdgeTaper Platinum files.<sup>3</sup>

In a user study with 21 dentists, who treated 210 canals with the ProTaper Ultimate file sequence, 95% stated that they achieved a sufficient Deep Shape for a sufficient disinfection.<sup>4</sup>

### Clinical case by Dr. Reid Pullen, USA



Pre op

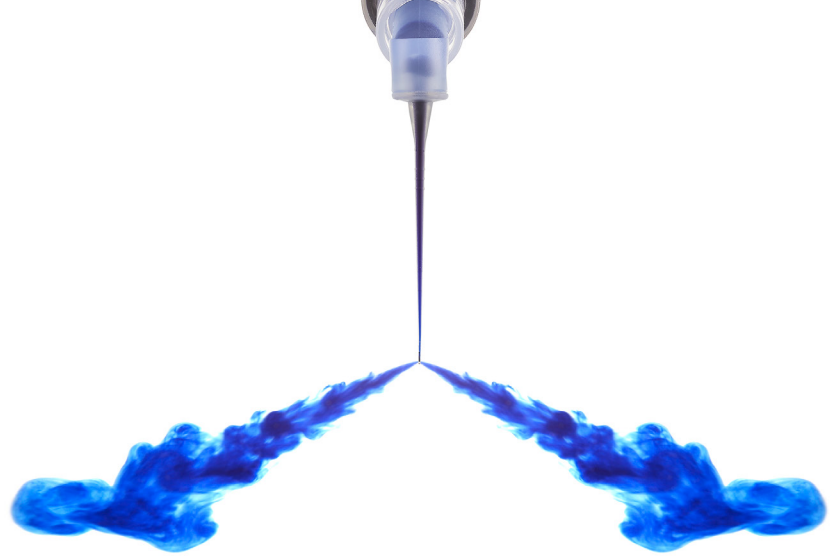


Post op

1. Martins JNR, et al. Characterization of the file-specific heat-treated ProTaper Ultimate rotary system. Int Endod J. 2023 Apr;56(4):530-542. Epub 2022 Dec 21. the ProTaper Ultimate instruments (except the Slider) showed a higher flexibility than their counterparts of ProTaper Universal and ProTaper Gold systems (table 1, Figure 4 of the publication).

# 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.



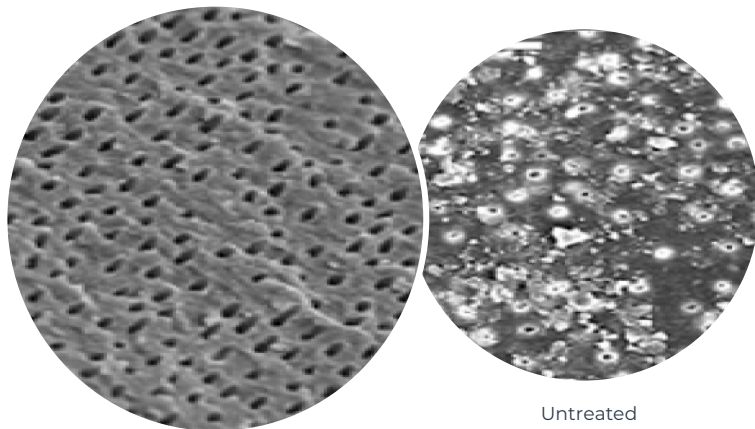
### Atraumatic

- 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.<sup>3,5,6</sup>



Untreated

Treated with SmartLite Pro EndoActivator®



2. Ex vivo study by Prof Ana Arias, Complutense University Madrid, Spain (0% PTUL file unwinding, 34% ETP file unwinding after shaping one root canal (p=0.009)) - DS Supported 3. Ex vivo study by Prof Ana Arias, Complutense University Madrid, Spain (33s for PTUL file sequence for shaping of one root canal, 52 seconds for ETP file sequence (p=0.02)) - DS Supported 4. User evaluation 1000-TF\_6\_TR\_000915 5. Based on less files in clinical sequence, easy selection of file to suite the case, no change in motor settings. 6. Valerie Kanter, DMD, Emily Weldon, DMD, Uma Nair, DMD, MDS, Claudio Varela, DDS, MS, Keith Kanter, DDS, Kenneth Anusavice, PhD, and Roberta Pileggi, DDS, MS, Gainesville, FL UNIVERSITY OF FLORIDA; 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;112:809-813

# Obturation

Reliable seal and optimal fit.



## AH Plus Jet®



### Endo Sealer Gold Standard

The most globally researched endodontic sealer and proven clinical success with more than 100 million root canal fillings.<sup>6</sup>



### Automix syringe

Controlled mixture of both pastes - No manual mixing.

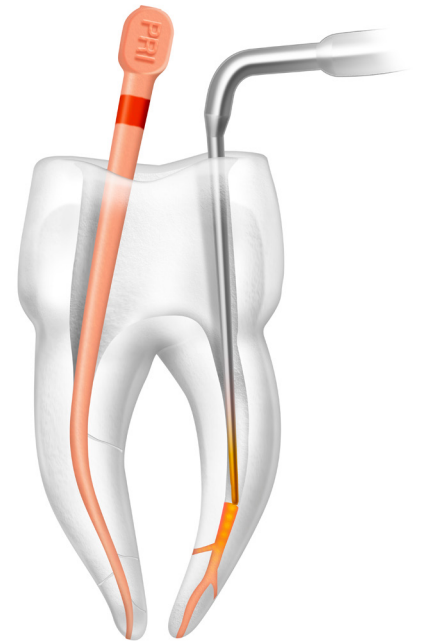
## ProTaper Ultimate® Conform Fit® Gutta-Percha



Matching color marking for simple identification



5mm heat propagation

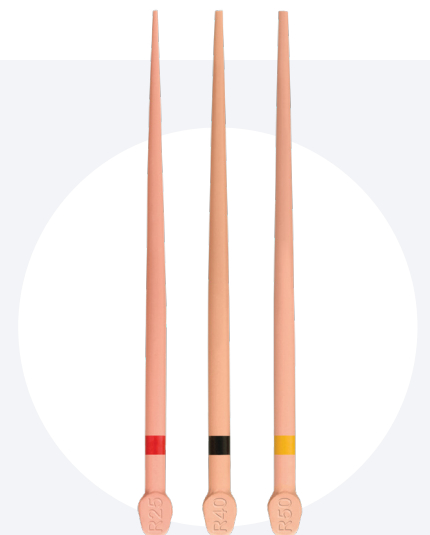


### Precise fit and accurate tug back

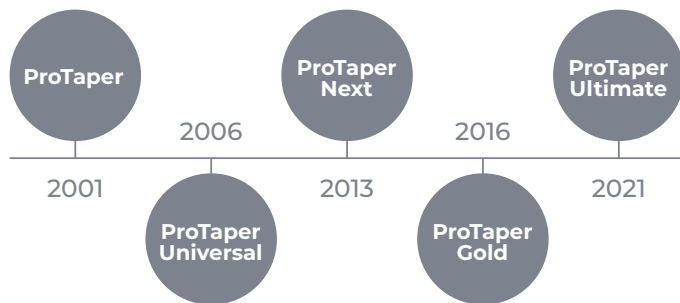
- Precision machine tapered gutta-percha points compared to traditional hand rolled gutta-percha.
- Consistent sizing for predictable fit, every time.



Latex free for patient safety



# ProTaper, a Maillefer legacy



## The Ultimate ProTaper - Made in Switzerland

Each root canal is unique. That's why the ProTaper Ultimate® treatment solution is designed to support your passion to take on a wide range of canal anatomies.

The 5<sup>th</sup> generation of ProTaper was thought through as a complete workflow, and offers a full sequence from narrow canals (F1) to wider ones (FXL).



**1,816** Publications on ProTaper  
**396,000,000** ProTaper files sold  
**215 million** teeth saved  
Still DS **#1 Brand**

## 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 **ProTaper Ultimate®** 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

# ProTaper Ultimate® Product References

## ProTaper Ultimate® Rotary Files

<b>SX</b>	6 x 19 mm	B ST PULR 619 OSX
		
<b>Slider</b>	3 x 21 mm	B ST PULR 321 OSL
	3 x 25 mm	B ST PULR 325 OSL
	3 x 31 mm	B ST PULR 331 OSL
	6 x 21 mm	B ST PULR 621 OSL
	6 x 25 mm	B ST PULR 625 OSL
	6 x 31 mm	B ST PULR 631 OSL
<b>Shaper</b>	3 x 21 mm	B ST PULR 321 OSH
	3 x 25 mm	B ST PULR 325 OSH
	3 x 31 mm	B ST PULR 331 OSH
	6 x 21 mm	B ST PULR 621 OSH
	6 x 25 mm	B ST PULR 625 OSH
	6 x 31 mm	B ST PULR 631 OSH
<b>F1</b>	3 x 21 mm	B ST PULR 321 OF1
	3 x 25 mm	B ST PULR 325 OF1
	3 x 31 mm	B ST PULR 331 OF1
	6 x 21 mm	B ST PULR 621 OF1
	6 x 25 mm	B ST PULR 625 OF1
	6 x 31 mm	B ST PULR 631 OF1
<b>F2</b>	3 x 21 mm	B ST PULR 321 OF2
	3 x 25 mm	B ST PULR 325 OF2
	3 x 31 mm	B ST PULR 331 OF2
	6 x 21 mm	B ST PULR 621 OF2
	6 x 25 mm	B ST PULR 625 OF2
	6 x 31 mm	B ST PULR 631 OF2
<b>F3</b>	3 x 21 mm	B ST PULR 321 OF3
	3 x 25 mm	B ST PULR 325 OF3
	3 x 31 mm	B ST PULR 331 OF3
	6 x 21 mm	B ST PULR 621 OF3
	6 x 25 mm	B ST PULR 625 OF3
	6 x 31 mm	B ST PULR 631 OF3
<b>FX</b>	6 x 21 mm	B ST PULR 621 OFX
	6 x 25 mm	B ST PULR 625 OFX
	6 x 31 mm	B ST PULR 631 OFX
<b>FXL</b>	6 x 21 mm	B ST PULR 621 FXL
	6 x 25 mm	B ST PULR 625 FXL
	6 x 31 mm	B ST PULR 631 FXL









## ASSORTMENT FILE PACKS

<b>Slider, Shaper, F1, F2, F3</b>	5 x 21 mm	B ST PULR 521 SQE
	5 x 25 mm	B ST PULR 525 SQE
	5 x 31 mm	B ST PULR 531 SQE

## Irrigation Needle

	x5	B NS DSIN 522 30G
	x40	B NS DSIN D22 30G


## ProTaper Ultimate® Manual Files

<b>SX</b>	6 x 19 mm	B ST PULH 619 OSX
		
<b>Slider</b>	6 x 21 mm	B ST PULH 621 OSL
	6 x 25 mm	B ST PULH 625 OSL
	6 x 31 mm	B ST PULH 631 OSL
<b>Shaper</b>	6 x 21 mm	B ST PULH 621 OSH
	6 x 25 mm	B ST PULH 625 OSH
	6 x 31 mm	B ST PULH 631 OSH
<b>F1</b>	6 x 21 mm	B ST PULH 621 OF1
	6 x 25 mm	B ST PULH 625 OF1
	6 x 31 mm	B ST PULH 631 OF1
<b>F2</b>	6 x 21 mm	B ST PULH 621 OF2
	6 x 25 mm	B ST PULH 625 OF2
	6 x 31 mm	B ST PULH 631 OF2
<b>F3</b>	6 x 21 mm	B ST PULH 621 OF3
	6 x 25 mm	B ST PULH 625 OF3
	6 x 31 mm	B ST PULH 631 OF3
<b>FX</b>	6 x 21 mm	B ST PULH 621 OFX
	6 x 25 mm	B ST PULH 625 OFX
	6 x 31 mm	B ST PULH 631 OFX
<b>FXL</b>	6 x 21 mm	B ST PULH 621 FXL
	6 x 25 mm	B ST PULH 625 FXL
	6 x 31 mm	B ST PULH 631 FXL

## ASSORTMENT FILE PACKS

<b>Slider, Shaper, F1, F2, F3</b>	5 x 21 mm	B ST PULH 521 SQE
	5 x 25 mm	B ST PULH 525 SQE
	5 x 31 mm	B ST PULH 531 SQE

## 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 for AH Plus Jet®	606.20.116
	40 x Mixing Tips with Intraoral Tip	

## X-Smart® Pro/Pro+ Motor

	X-Smart® Pro+ Endo Motor with Integrated Apex Locator	6779016
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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
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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)

## SmartLite Pro EndoActivator® Endodontic Activation System Complete Kit




Handpiece - EndoActivator®	644431
Attachment - 2 Batteries - Charging Base	
Accessories Box (Power Connector, AU, EU, US, UK plug adapters, USB Cable) - IFU - Technique Card - SLP-EA Barrier Sleeves 100/pack (644434)	
EA Tips Small 25/pack (644435)	
EA Tips Medium 25/pack (644436)	
EA Tips Medium Long 25/pack (644437)	

## SmartLite Pro EndoActivator® Endodontic Activation System

EndoActivator® Attachment - IFU - Technique Card	644432
SLP-EA Barrier Sleeves 100/pack (644434) - EA Tips Small 25/pack (644435) - EA Tips Medium 25/pack (644436) - EA Tips Medium Long 25/pack (644437)	
SmartLite Pro EndoActivator® 100 Barrier Sleeves	644434
SmartLite Pro EndoActivator® 25 Tips Small (15/02) 22 mm	644435
SmartLite Pro EndoActivator® 25 Tips Medium (25/04) 22 mm	644436
SmartLite Pro EndoActivator® 25 Tips Medium Long (25/04) 28 mm	644437
SmartLite Pro EndoActivator® Attachment	644438

## ProTaper Ultimate® Absorbent Points

### Box of 180 absorbent points






<b>F1</b>		BST PULP MPP OF1
<b>F2</b>		BST PULP MPP OF2
<b>F3</b>		BST PULP MPP OF3
<b>FX</b>		B ST PULP MPP OFX
<b>FXL</b>		B ST PULP MPP FXL

## ASSORTMENT

<b>F1-F3</b>	30x-F1, 90x-F2, 60x-F3	B ST PULP MPP AST
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## ProTaper Ultimate® Conform Fit® Gutta-Percha Points

### Box of 60 gutta-percha points

<b>F1</b>		B NS PULG FGP OF1
<b>F2</b>		B NS PULG FGP OF2
<b>F3</b>		B NS PULG FGP OF3
<b>FX</b>		B NS PULG FGP OFX
<b>FXL</b>		B NS PULG FGP FXL

## ASSORTMENT

<b>F1-F3</b>	12x-F1, 24x-F2, 24x-F3	B NS PULG FGP AST
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## ProTaper Ultimate® Treatment Solution Kit



### B 00 PTUL TSO KIT

ProTaper Ultimate® Sequence 25 mm x5
ProTaper Ultimate® SX 19 mm x6
ProTaper Ultimate® Slider 25 mm x6
ProTaper Ultimate® Shaper 25 mm x6
ProTaper Ultimate® F1 25 mm x6
ProTaper Ultimate® F2 25 mm x6
ProTaper Ultimate® Absorbent Points Assortment
ProTaper Ultimate® Conform Fit® Gutta-Percha Points Assortment
Irrigation Needle (5 units)

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

