



# PROTAPER • NEXT™

flexible performance

**THE PROTAPER®  
PHILOSOPHY REMAINS**

A SINGLE SEQUENCE  
FOR ALL CLINICAL CASES

PROGRESSIVE TAPERS  
FOR OPTIMIZED CROWN-  
DOWN TECHNIQUE

COMMONLY APPROVED  
APICAL FINISHING DIAMETERS

## the next generation of the **endo gold standard**

PROTAPER NEXT™ is the successor to the PROTAPER® UNIVERSAL system, which has been the gold standard in endodontics for many years. It is an efficient solution for endo practitioners seeking a versatile, flexible system that will handle the vast majority of root canal treatments.



2001 **PROTAPER®**

## THE NEXT GENERATION...

### ...covers more difficult clinical cases\*

The unique swaggering movement and the greater flexibility of the PROTAPER NEXT™ files make it possible to shape more severely curved narrow canals than what was possible before with most NiTi systems on the market.

### ...brings improved safety\*

The risk of file breakage is significantly decreased, at the same time; respect of the original root canal anatomy is greatly improved. Instrument and patient safety is essential to good endodontics.

### ...shortens the shaping time\*

A shorter clinical sequence means that less time is spent changing instruments. The high cutting efficiency also reduces the shaping time. For the dentist, this is valuable time that can be used for other procedures, such as irrigation.

\* Compared to leading brands

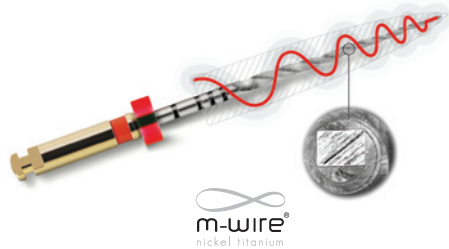
## NEXT GENERATION TECHNOLOGY

### Swaggering Effect

PROTAPER NEXT™'s innovative off-centred rectangular cross section gives the file a snake-like "swaggering" movement as it moves through the root canal. The rotation of the off-centred cross section generates enlarged space for debris hauling. Optimisation of canal tracking is also achieved due to the "swaggering effect".

### M-WIRE®

The M-WIRE® NiTi material improves file flexibility, while still retaining cutting efficiency. This is achieved through an advanced Dentsply proprietary thermal treatment process. M-WIRE® NiTi also provides greater resistance to cyclic fatigue, the leading cause of file separation.



2006 PROTAPER® UNIVERSAL

2013 PROTAPER NEXT™

GLIDE PATH



P1

P2

SHAPING



X1

X2

OPTIONAL



X3

X4

X5

PATHFILE®

PROTAPER®NEXT™

the next **clinical outcome**



PRE-OP

Image of maxillary left first premolar. Nonvital pulp had resulted in radiographic lesion of endodontic origin.

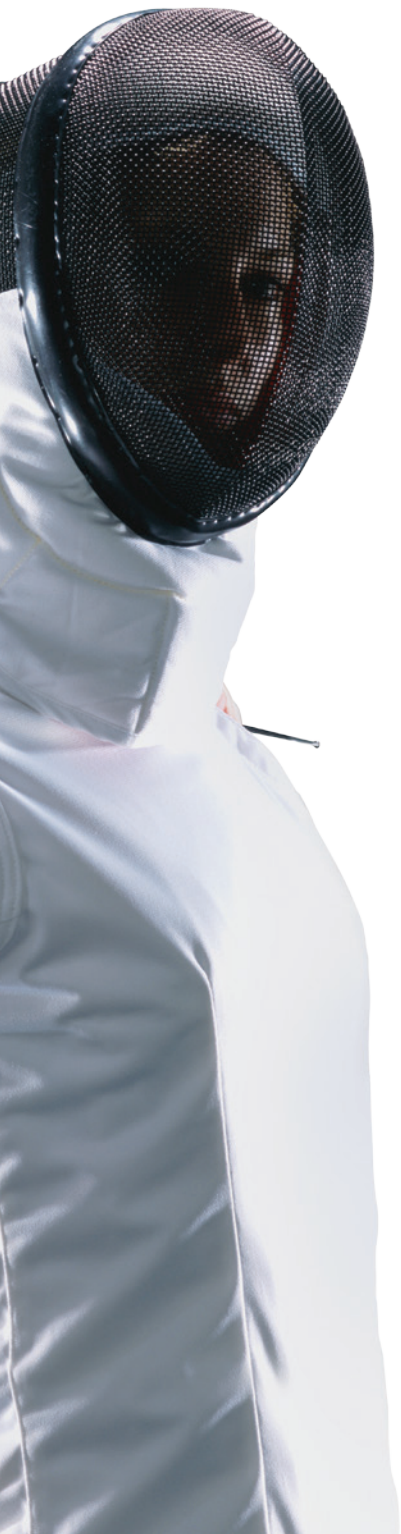


POST-OP

Obturation downpack image demonstrating two canals and five visible portals of exit sealed. PROTAPER NEXT™ provides predictable deep shaping preparations for confident and consistent 3D obturation regardless of obturation technique.

Courtesy of Dr. John West





## entering the world of increasing medical standards

DENTSPLY MAILLEFER advocates medical standard care by packaging PROTAPER NEXT™ files in pre-sterilised blister packs for single patient use. Using two to three PROTAPER NEXT™ shaping files for each clinical procedure, instead of four to five previously, makes it affordable for the practitioner to implement a single use policy for endodontic instruments with numerous advantages, namely:

### **Ergonomics**

There is no need for reprocessing and re-organising PROTAPER NEXT™ NiTi files.



### **Reduced risk of file breakage**

Endodontic files exhibit signs of wear during normal use. They are also subject to cyclic fatigue, which is the main cause of file breakage during patient treatment. This increases dramatically with multiple use. Single use therefore reduces the risk of file breakage and thus increases patient safety.



### **Optimal cutting efficiency**

Further research has shown that using endodontic files for multiple cases actually reduces their cutting efficiency, affecting the performance and satisfaction for both dentist and patient. With PROTAPER NEXT™, there is no reduction in cutting efficiency, as a new instrument is used for each patient.



### **No risk for cross contamination**

No matter how well an instrument is sterilised, research shows that certain bacteria and tissue remnants may remain on the instrument. Additional uses of instruments therefore increase the potential of cross-infection to every subsequent patient.

# PROTAPER • NEXT™

ready to go with **a complete solution**

PROTAPER NEXT™ is a complete solution, covering all the steps in the endodontic procedure:

TREATMENT



#### Shaping files

The PROTAPER NEXT™ shaping files make it possible to treat the vast majority of endodontic cases.



#### Glide path files

The recommended rotary glide path files for PROTAPER NEXT™ are the DENTSPLY MAILLEFER PATHFILE® P1/O13 and P2/O16.



#### Endo motor

The X-SMART™ PLUS motor is everything you liked about the X-SMART™ with a plus! The plus benefits include no foot pedal, an on/off button on the motor hand piece as well as a miniature contra-angle head to provide excellent visibility and access. Moreover, file selection can be made at a single glance with the ISO colour-coded file library. The motor operates in continuous or reciprocating motion with pre-programmed settings to save time in your daily practice.

OBTURATION



PROTAPER NEXT™ paper points match the size of the canals prepared with a PROTAPER NEXT™ file and are developed for a safe, rapid drying process of the canals. The paper points are provided sterile for patient protection.



PROTAPER NEXT™ gutta percha points match the size of the canals prepared with PROTAPER NEXT™ files allowing you to achieve rapid, precise master-cone obturation.



GUTTACORE® for PROTAPER NEXT™ is the first obturator technology that uses a cross-linked gutta percha core. Crosslinking is a well-established scientific process that connects the polymer chains and transforms the gutta percha to make it stronger, while keeping its best features.



THERMAPREP® 2 oven is for use with the new GUTTACORE™ obturators. In addition to the GUTTACORE® obturators, the THERMAPREP® 2 oven works with THERMAFIL®, PROTAPER® UNIVERSAL and WAVEONE® obturators.

RETREATMENT



In the event of retreatment, PROTAPER® UNIVERSAL retreatment files are the recommended instruments for the obturation unfilling procedure.







# PROTAPER•NEXT™

a complete **solution**



## NiTi FILES

### PROTAPER•NEXT™ X1

A080022100103	File Ster. 21mm	017 .04	6x
A080022500103	File Ster. 25mm	017 .04	6x
A080023100103	File Ster. 31mm	017 .04	6x
A080322100103	File Ster. 21mm	017 .04	3x
A080322500103	File Ster. 25mm	017 .04	3x
A080323100103	File Ster. 31mm	017 .04	3x



### PROTAPER•NEXT™ X2

A080022100203	File Ster. 21mm	025 .06	6x
A080022500203	File Ster. 25mm	025 .06	6x
A080023100203	File Ster. 31mm	025 .06	6x
A080322100203	File Ster. 21mm	025 .06	3x
A080322500203	File Ster. 25mm	025 .06	3x
A080323100203	File Ster. 31mm	025 .06	3x



### PROTAPER•NEXT™ X3

A080022100303	File Ster. 21mm	030 .07	6x
A080022500303	File Ster. 25mm	030 .07	6x
A080023100303	File Ster. 31mm	030 .07	6x
A080322100303	File Ster. 21mm	030 .07	3x
A080322500303	File Ster. 25mm	030 .07	3x
A080323100303	File Ster. 31mm	030 .07	3x



### PROTAPER•NEXT™ X4

A080022100403	File Ster. 21mm	040 .06	6x
A080022500403	File Ster. 25mm	040 .06	6x
A080023100403	File Ster. 31mm	040 .06	6x
A080322100403	File Ster. 21mm	040 .06	3x
A080322500403	File Ster. 25mm	040 .06	3x
A080323100403	File Ster. 31mm	040 .06	3x



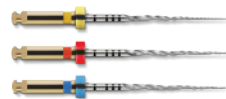
### PROTAPER•NEXT™ X5

A080022100503	File Ster. 21mm	050 .06	6x
A080022500503	File Ster. 25mm	050 .06	6x
A080023100503	File Ster. 31mm	050 .06	6x
A080322100503	File Ster. 21mm	050 .06	3x
A080322500503	File Ster. 25mm	050 .06	3x
A080323100503	File Ster. 31mm	050 .06	3x



### PROTAPER•NEXT™ assortment X1 - X3

A08002219A003	Ass.X1-X3 Ster.21	X1 - X3	6x
A08002259A003	Ass.X1-X3 Ster.25	X1 - X3	6x
A08002319A003	Ass.X1-X3 Ster.31	X1 - X3	6x
A08032219A003	Ass.X1-X3 Ster.21	X1 - X3	3x
A08032259A003	Ass.X1-X3 Ster.25	X1 - X3	3x
A08032319A003	Ass.X1-X3 Ster.31	X1 - X3	3x



### PATHFILE® P1

A001522101303	Ster. 21mm	013 .02	6x
A001522501303	Ster. 25mm	013 .02	6x
A001523101303	Ster. 31mm	013 .02	6x



### PATHFILE® P2

A001522101603	Ster. 21mm	016 .02	6x
A001522501603	Ster. 25mm	016 .02	6x
A001523101603	Ster. 31mm	016 .02	6x



### PROTAPER® UNIVERSAL retreatment D1 - D3

A141021600103	Ster.D1	030 .09	6x
A141021800103	Ster.D2	025 .08	6x
A141022200103	Ster.D3	020 .07	6x
A141220090003	Ster. Ass. D1- D3		6x



### NITI MANUAL ADAPTORS

A140900090000	Handle Adaptors Assorted		6x
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## OVEN



### thermaprep®2 oven

REF A 0176 2300 0200	EU (230V)
REF A 0176 2300 0233	UK (230V)
REF A 0176 1150 0200	(115V)

## ENDO MOTOR



### x-smart® plus motor

REF A 1032	Complete motor with contra-angle and universal AC adaptor
x-smart® plus 6:1	
REF A 1033	Contra-angle





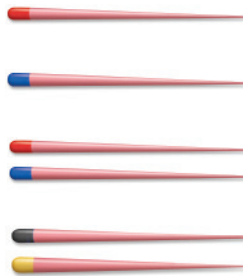
## PAPER POINTS



<b>PROTAPER-NEXT™ Paper Point X2</b> REF A 022Q 00000 200	180x sterile paper points
<b>PROTAPER-NEXT™ Paper Point X3</b> REF A 022Q 00000 300	180x sterile paper points
<b>PROTAPER-NEXT™ Paper Point X2 &amp; X3</b> REF A 022Q 00090 000	90x sterile paper points X2 90x sterile paper points X3
<b>PROTAPER-NEXT™ Paper Point X4 &amp; X5</b> REF A 022Q 00090 100	90x sterile paper points X4 90x sterile paper points X5



## GUTTA PERCHA POINTS



<b>PROTAPER-NEXT™ Gutta Percha Points X2</b> REF A 022Q 00000 200	60x gutta percha points
<b>PROTAPER-NEXT™ Gutta Percha Points X3</b> REF A 022Q 00000 300	60x gutta percha points
<b>PROTAPER-NEXT™ Gutta Percha Points X2 &amp; X3</b> REF A 022Q 00090 000	30x gutta percha points X2 30x gutta percha points X3
<b>PROTAPER-NEXT™ Gutta Percha Points X4 &amp; X5</b> REF A 022Q 00090 100	30x gutta percha points X4 30x gutta percha points X5



## OBTURATORS BLISTER



<b>gutta-core® Blister for PTN X2</b> REF A 1802B 004 25 00	5x + 1 size verifier
<b>gutta-core® Blister for PTN X3</b> REF A 1802B 004 30 00	5x + 1 size verifier
<b>gutta-core® Blister for PTN X4</b> REF A 1802B 004 40 00	5x + 1 size verifier
<b>gutta-core® Blister for PTN X5</b> REF A 1802B 004 50 00	5x + 1 size verifier
ONE SIZE VERIFIER IN EACH BLISTER	



## OBTURATORS PACK



<b>gutta-core® Pack for PTN X2</b> REF A 1802P 004 25 00	25x (5 blisters)
<b>gutta-core® Pack for PTN X3</b> REF A 1802P 004 30 00	25x (5 blisters)
<b>gutta-core® Pack for PTN X4</b> REF A 1802P 004 40 00	25x (5 blisters)
<b>gutta-core® Pack for PTN X5</b> REF A 1802P 004 50 00	25x (5 blisters)
ONE SIZE VERIFIER IN EACH BLISTER	



MAILLEFER INSTRUMENTS HOLDING S.à.r.l.  
CHEMIN DU VERGER 3  
CH-1338 BALLAIGUES  
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