

# XP ENDO® solutions



ADAPTIVE. EASY. SAFE. EFFICIENT.



"The unique adaptive properties of XP-endo Solutions are revolutionizing 3D canal management, allowing me to effectively treat at least 4 canals of different anatomical sizes with the same instrument."

**MARTIN TROPE** 

BDS, DMD / Philadelphia USA

"XP-endo files' optimal expansion properties and sleek design adapts to the root canal using a minimally invasive approach that predictably cleans oval canals and complex anatomies."

**GILBERTO DEBELIAN** 

DMD, PhD / Oslo Norway





#### **SHAPING**

Simplify your endo. The unique one-file system.



- Ability to shape from Ø 15 to Ø 30

- Designed with six cutting edges for optimal guidance



Optimal expansion capacity up to 3x its core size

- Seamless adaptation to canal irregularities



- Excellent resistance to cyclic fatigue

- Superelasticity and extreme flexibility



- Unique patent design delivers unequalled debris removal

- Minimal stress applied to dentine walls

# RETREATMENT

Also intended for retreatment,



Size: 25/.00

Torque: 1 Ncm

Speed: 800-1000 rpm

### **CLEANING**

Improve your endo. The universal mechanical cleaning system.



- Revolutionary design provides enhanced ability to clean areas previously impossible to reach
- Exclusive tip



- Extreme expansion capacity optimization up to 100x its core size
- Seamless adaptation technology for all root canal morphologies



- Excellent resistance to cyclic fatigue
- Extreme flexibility and agility



- Uniquely designed for thorough debris
- Exceptional dentine preservation features

1000-2500 rpm

# RETREATMENT

Available in 30/.00 for retreatment (XP-endo® Finisher R)



Size: 30/.04 Speed: 800-1000 rpm Torque: 1 Ncm



#### **TREATMENT**



XP-endo® Finisher



Radiograph showing the bucco-lingual aspect of the maxillary first premolar



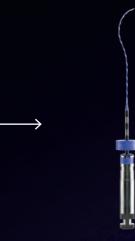
Cross-section 1 mm from the apex



Cross-section 7 mm from the apex

© Dr. Hubert Gołąbek (Poland) and Dr. Martin Trope (USA), All rights reserved





XP-endo® Shaper

XP-endo® Finisher R



Photograph illustrating a case of



After instrumentation no debris is seen



Root filling material removal during retreatment case

© Dr. Gilberto Debelian (Norway) and Dr. Klaus Lauterbach (Germany). All rights reserved

"As opposed to traditional rotary files that impose their shape upon the canal, these revolutionary instruments adapt conservatively to the root canal anatomy."

**GUILLAUME JOUANNY** 

DDS / Paris France

	SEQUENCES					
The survey of the same	21 mm		25 mm			
Shaping	XP-endo® Shaper Sequence: Blister packs of 6 instruments 2X (K-File 10/.02 + K-File 15/.02 + XP-endo® Shaper 30/.04)					
Solution ——	S1.XB0.00.SAA.FK		\$1.XB0.00.SAB.FK			
Shaping & Cleaning	XP-endo® Shaper Plus Sequence: Blister packs of 4 instruments K-File 10/.02 + K-File 15/.02 + XP-endo® Shaper 30/.04 + XP-endo® Finisher 25/.00					
Solution	S1.XB0.00.SAC.FK		\$1.XB0.00.SAD.FK			
Retreatment	XP-endo® Retreatment Sequence: Blister packs of 3 instruments DR1 30/.10 + XP-endo® Shaper 30/.04 + XP-endo® Finisher R 30/.00					
Solution ———	S1.XB0.00.SAE.FK		S1.XB0.00.SAF.FK			

	REFILLS								
	BLISTER PACKS OF 3 INSTRUMENTS			BLISTER PACKS OF 6 INSTRUMENTS					
	21 mm	25 mm	31 mm	21 mm	25 mm	31 mm			
XP-endo <sup>®</sup> Shaper	S1.XB0.00.0AJ.FK	S1.XB0.00.0AK.FK	S1.XB0.00.0AL.FK	S1.XB0.00.0AF.FK	S1.XB0.00.0AG.FK	S1.XB0.00.0AH.FK			
XP-endo® Finisher	S1.XB0.00.0AC.FK	S1.XB0.00.0AA.FK	S1.XB0.00.0AP.FK			19/10/11			
XP-endo® Finisher R	S1.XB0.00.0AE.FK	S1.XB0.00.0AD.FK	S1.XB0.00.0AQ.FK	1970/82/1/10		1982 10			

- 1 Azim AA, Tarrosh M, Azim KA, Piasecki L. Comparison between Single-file Rotary Systems: Part 2—The Effect of Length of the Instrument Subjected to Cyclic Loading on Cyclic Fatigue Resistance. J Endod. 2018 Dec; 44(12):1837-1842.
  Vaz-Garcia ES, Vieira VTL, Petitet NPDSF, Moreira EJL, Lopes HP, Elias CN, Silva EJNL, Antunes HDS. Mechanical Properties of Anatomic Finishing Files: XP-Endo Finisher and XP-Clean. Braz Dent J. 2018 Apr-Jun; 29(2):208-213.

  Keskin C, Inan U, Guler DH, Kalyoncuoğlu E. Cyclic Fatigue Resistance of XP-Endo Shaper, K3XF, and ProTaper Gold Nickel-titanium Instruments. J Endod. 2018 Jul; 44(7):1164-1167.
- Nickel-titanium Instruments. J Endod. 2018 Jul; 44(7): 1164-1167.

  Silva EJNL, Vieira VTL, Belladdonna FG, Zuolo AS, Antunes HDS, Cavalcante DM, Elias CN, De-Deus G. Cyclic and Torsional Fatigue Resistance of XP-endo Shaper and TRUShape Instruments. J Endod. 2018 Jan; 44(1): 168-172.

  Adiguzel M, Isken I, Pamukcu II. Comparison of cyclic fatigue resistance of XP-endo Shaper, HyFlex CM, FlexMaster and Race instruments. J Dent Res Dent Clin Dent Prospects. 2018 Summer; 12(3): 208-212.

  Elnaghy A, Elsaka S. Cyclic fatigue resistance of XP-endo Shaper compared with different nickel-titanium alloy instruments. Clin Oral Investig. 2018 Apr; 22(3): 1433-1437.
- 2 Azim AA, Aksel H, Zhuang T, Mashtare T, Babu JP, Huang GT. Efficacy of 4 Irrigation Protocols in Killing Bacteria Colonized in Dentinal Tubules Examined by a Novel Confocal Laser Scanning Microscope Analysis. J Endod. 2016 Jun;
- 3 Hassan R, Roshdy N, Issa N. Comparison of canal transportation and centering ability of Xp Shaper, WaveOne and Oneshape: a cone beam computed tomography study of curved root canals. Acta Odontol Latinoam. 2018 Jun; 31(1):67-74.



#### www.fkg.ch/xpendo

#### **FKG Dentaire SA**

Crêt-du-Locle 4
CH-2304 La Chaux-de-Fonds
Switzerland
T +41 32 924 22 44
F +41 32 924 22 55

info@fkg.ch www.fkg.ch



