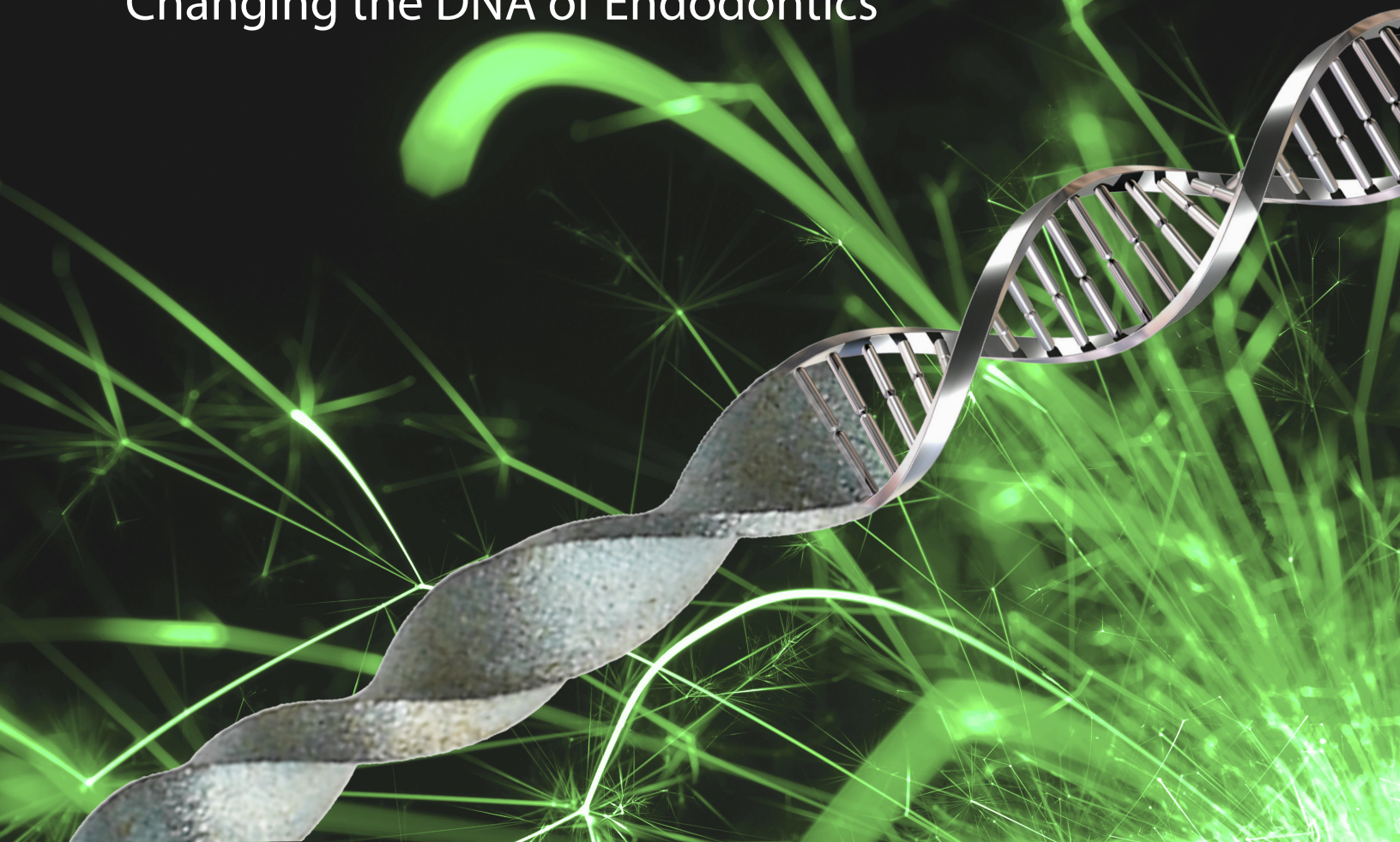


# HyFlex®

Changing the DNA of Endodontics



## HyFlex Rotary File Modular System

- HyFlex® EDM - One File System
- HyFlex CM® - Controlled Memory Rotary Files
- HyFlex® NT - NiTi Rotary Files
- HyFlex® GPF - Glide Path Rotary Files



 **COLTENE**

# HyFlex<sup>®</sup> EDM

## Unmatched Flexibility and Fracture Resistance in a One File System

HyFlex EDM offers the dental practitioner enhanced ease of mechanical preparation of the root canal so that even newcomers to endodontics can achieve reliable results quickly and easily.



### Extreme Fracture Resistance

HyFlex EDM files are produced using an innovative manufacturing process called Electrical Discharge Machining. The EDM process results in a file that is extremely flexible and fracture resistant. In fact, HyFlex EDM files are up to 700% more resistant to cyclic fatigue compared to traditional NiTi files.\*



### Controlled Memory

Thanks to controlled memory properties, HyFlex EDM files follow the anatomy of the canal, which can significantly reduce the risk of ledging, transportation and perforation.



### Fewer Files Required

The combination of flexibility, fracture resistance and cutting efficiency of the HyFlex EDM makes it possible to reduce the number of files required for cleaning while preserving anatomy.



### Pre-Sterilized, Modular System

Provided as a modular system of sterile instruments, HyFlex EDM includes Shaping, Glide Path, OneFile, Orifice Opener and Finishing files and may be used in combination with HyFlex CM files.

\*Int Endod J. 2015 May 22. doi: 10.1111/iej.12470

## Electrical Discharge Machining

- Up to 700% higher fracture resistance\*
- Uniquely hardened surface
- Less filing required for treatment success

The HyFlex EDM owes its unique properties to a breakthrough technology called “Electrical Discharge Machining”. This innovative manufacturing process uses spark erosion to harden the surface of the NiTi file, resulting in superior fracture resistance and improved cutting efficiency. Just like HyFlex CM files, HyFlex EDM files offer trusted controlled memory effect and regenerative properties.

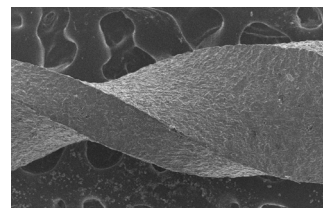


Image courtesy Dr. Chiara Prati and Dr. Francesco Iacono, University of Bologna

## Testimonials

“I did a case with 3 EDM files and absolutely loved them! I cut through that curved anatomy like butter... No unwinding noted at all. **Sam Alborz, DDS, CAGS**

“The file remains centered and does not feel like the apical portion is “whipping” or “clicking”... This eases your mind when navigating complex anatomy and dilacerations. **Marcus Johnson, DDS, MSD**

\*Int Endod J. 2015 May 22. doi: 10.1111/iej.12470

# HyFlex<sup>®</sup> EDM OneFile at a Glance

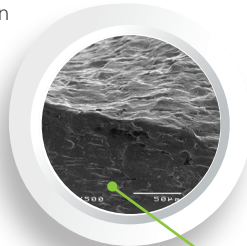
**NEW!**

**PRE-STERILIZED**



## Unmatched Fracture Resistance

Uniquely hardened surface reduces risk of file separation



## Variable Cross Section Design

Contributes to high breakage resistance



Almost triangular cross section at top



## Cutting Efficiency

Hardened surface plus controlled memory improves cutting efficiency



## Extremely Flexible

Controlled memory allows superior canal tracking



Trapezoidal cross section in middle



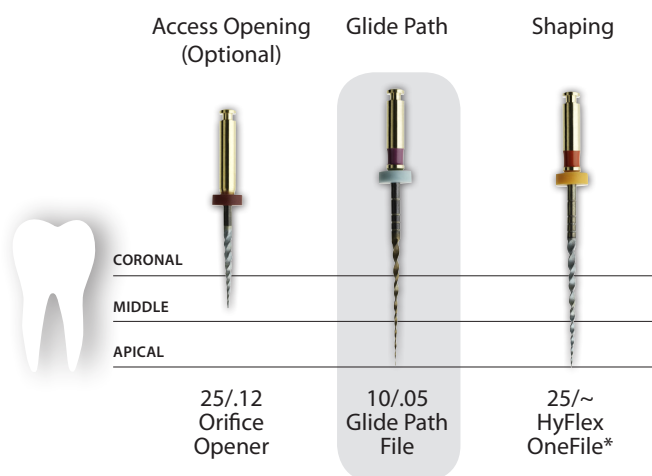
Quadratic cross section at tip



Visit **COLTENE's YouTube channel** for more information

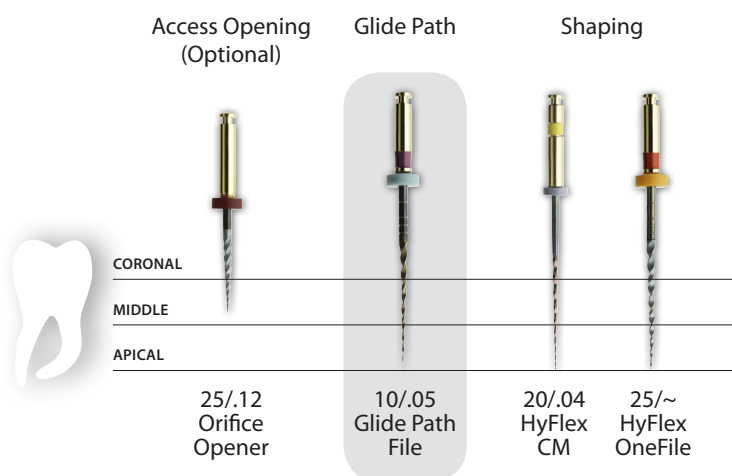
# HyFlex® EDM Requires Fewer Files for Canal Preparation

## HyFlex EDM for Straight Canals



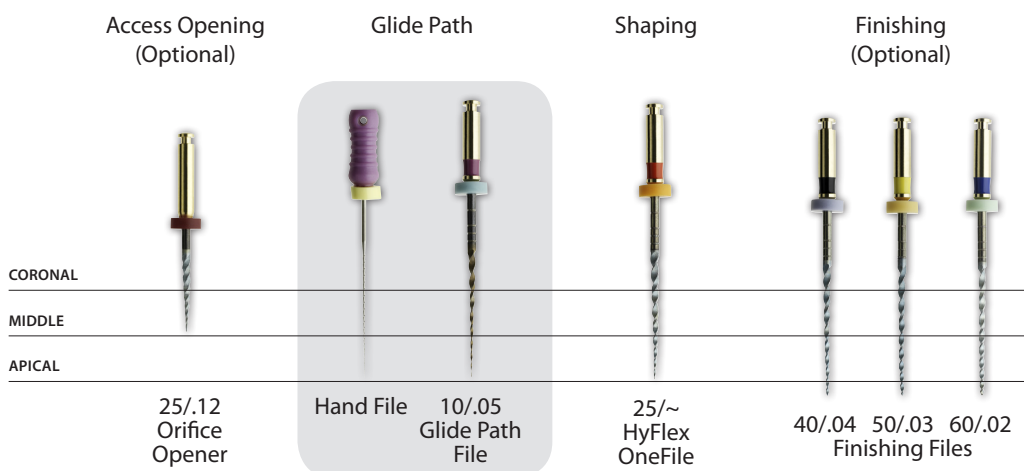
Depending on the clinical situation, use of HyFlex EDM files reduces the number of files required to 2 or 3 instruments, particularly in straight and larger canals.

## HyFlex EDM + HyFlex CM for Curved Canals



A combination of HyFlex EDM and CM files is recommended for canals with medium curvature (500 rpm; 2.5 Ncm (25 mNm)).

## HyFlex EDM System



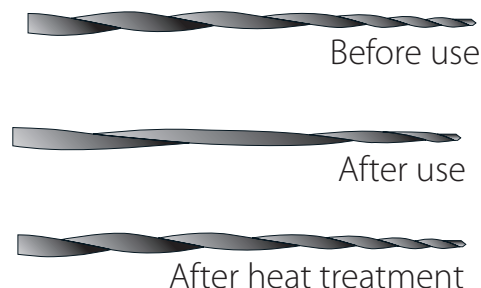
All HyFlex EDM Files can be used at 500 rpm and at a torque of up to 2.5 Ncm (25 mNm) except the Glide path files, which can be used with 300 rpm and at a torque of up to 1.8 Ncm (18 mNm).

\*OneFile (25/~) is constructed with a variable taper

## Regeneration by Thermal Treatment

The built-in shape memory of HyFlex EDM files prevents stress during canal preparation by changing their spiral shape. A normal autoclaving process\*\* is enough to return the files to their original shape and fatigue resistance. Should the file fail to regain its shape after heat treatment, risk of fracture is increased, and the file should not be used after visual inspection.

\*\*Follow manufacturer's recommended settings



## Ordering Information



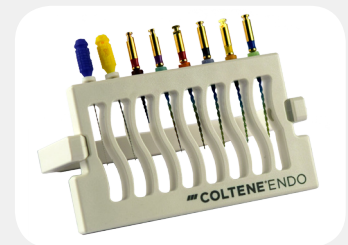
### Rotary Files

|          |                                                 |
|----------|-------------------------------------------------|
| 60019628 | HyFlex EDM 10/.05 Glide Path File, 25mm         |
| 60019629 | HyFlex EDM 25/~ OneFile, 25mm                   |
| 60019630 | HyFlex EDM 25/.12 Orifice Opener, 15mm          |
| 60019631 | HyFlex EDM 40/.04 Finishing File, 25mm          |
| 60019632 | HyFlex EDM 50/.03 Finishing File, 25mm          |
| 60019633 | HyFlex EDM 60/.02 Finishing File, 25mm          |
| 60019641 | HyFlex EDM Shaping Set 25/.12; 25/~; 10/.05     |
| 60019642 | HyFlex EDM Finishing Set 40/.04; 50/.03; 60/.02 |
| H8250420 | HyFlex CM 20/.04, 25mm                          |



### HyFlex Organizer

|          |                       |
|----------|-----------------------|
| 60018783 | HyFlex File Organizer |
|----------|-----------------------|



### Sealer and Obturation

|          |                                     |
|----------|-------------------------------------|
| 60013709 | GuttaFlow®2 Automix Standard Set    |
| 60019770 | SpectraPoints® GuttaPercha 0.03 #50 |
| 60019771 | SpectraPoints GuttaPercha OneFile   |
| H08763   | SpectraPoints GuttaPercha 0.04 #40  |
| H08748   | SpectraPoints GuttaPercha 0.02 #60  |



### Irrigation

|          |                                         |
|----------|-----------------------------------------|
| 60011157 | CanalPro® EDTA 480ml                    |
| 60011159 | CanalPro NaOCl EXTRA 480ml              |
| 60011160 | CanalPro NaOCl 3% 480ml                 |
| 60011161 | CanalPro NaOCl 6% 480ml                 |
| 60013994 | CanalPro CHX 2% 480ml                   |
| 60018280 | Surgitip®-endo Aspirator Tips (20 pack) |



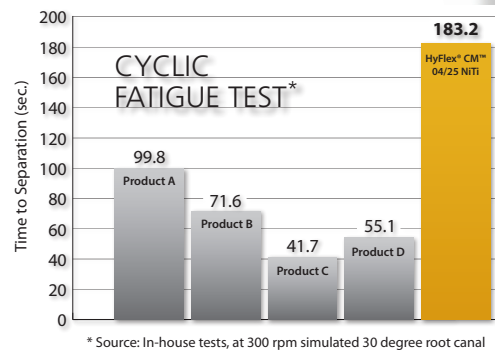
# HyFlex CM<sup>®</sup>

controlled memory niti files

## Changing the DNA of NiTi

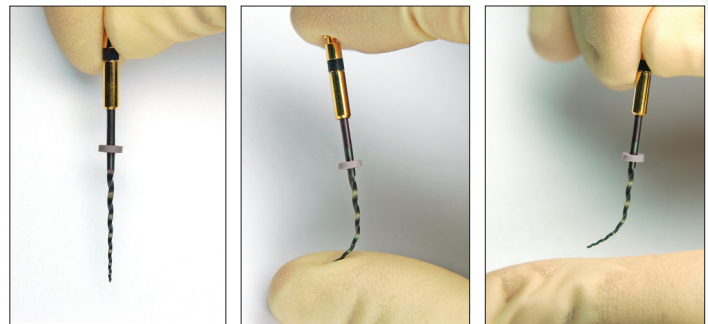
### 300% more resistance to separation

HyFlex CM NiTi files with Controlled Memory are up to 300% more resistant to cyclical fatigue compared to other NiTi files\* which substantially helps reduce the incidence of file separation.



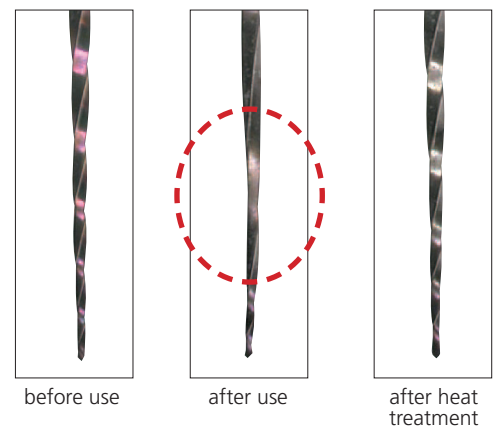
### No rebound + extreme flexibility = Superior canal tracking

HyFlex Controlled Memory NiTi files have been manufactured utilizing a unique process that controls the material's memory, making the files extremely flexible, but without the shape memory of other NiTi files. This gives the file the ability to follow the anatomy of the canal very closely, reducing the risk of ledging, transportation or perforation.



### Regains shape after sterilization = Multi-use

The shape and strength of files with straightened spirals can be restored during autoclaving and reused. Files not returning to original shape should be discarded.



## What clinicians are saying...



Dr. Santiago Frajlich  
Buenos Aires, Argentina



Dr. Rajesh Iyer  
Maharashtra, India



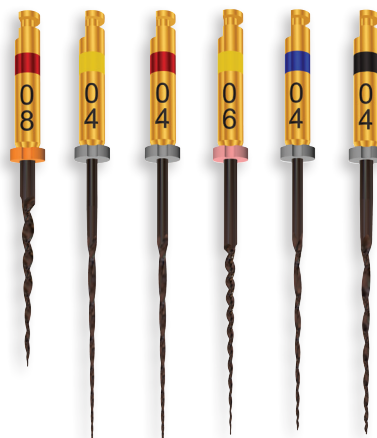
Dr. Sam Alborz  
Knoxville, TN



Dr. David Uroz Torres  
Almería, Spain

## Use your technique or try ours

HyFlex CM files can be used with crown-down, step-back or our recommended single length technique.



## Testimonials

“ I find them easy to use especially in limited access areas because you can bend them. With their greater flexibility, the files are not as stressed when working in the canals. It is also nice that you do get some advanced warning that you are over stressing the files when you see it unwind some. I have not had any of these files separate and I will continue to use them. **Dr. Alan Swett , Johnston, IA**

“ The transition from Tulsa greater taper files to HyFlex CM was seamless and easy. **Dr. Timothy Kneller, Aurora, CO**

“ Most flexible NiTi I've ever seen. Now that I'm getting used to them, I like them and could see adopting these as our primary instruments. **Dr. Gary Henkel, Philadelphia, PA**

“ Since you introduced the HyFlex file to me, I can honestly say that I am truly confident in attacking 'ANY' curved canal I see without any fear of separation. I find that through the flexibility and superior tracking of the canal, the whole Root Canal procedure speeds up; thus allowing me to schedule more patients. I also am equally impressed with how beautifully the spectra points fit to the 'Mark' on the first time, and thus, also saves me crucial time. **Dr. Joseph Braud, New Iberia, LA**

Visit **HyFlexCM.com** to see Product Videos

Downloaded from  **DentalKart**<sup>™</sup>



## Ordering Information

### 19mm 6-pack

H8190825 08/25

### 21mm 6-packs

H8210415 04/15

H8210420 04/20

H8210425 04/25

H8210430 04/30

H8210435 04/35

H8210440 04/40

H8210445 04/45

H8210450 04/50

H8210460 04/60

H8210620 06/20

H8210625 06/25

H8210630 06/30

H8210635 06/35

H8210640 06/40

H821ASST Assortment

H821SML Small

H821MED Medium

H821LRG Large

### 25mm 6-packs

H8250415 04/15

H8250420 04/20

H8250425 04/25

H8250430 04/30

H8250435 04/35

H8250440 04/40

H8250445 04/45

H8250450 04/50

H8250460 04/60

H8250620 06/20

H8250625 06/25

H8250630 06/30

H8250635 06/35

H8250640 06/40

H825ASST Assortment

H825SML Small

H825MED Medium

H825LRG Large

### 31mm 6-packs

H8310415 04/15

H8310420 04/20

H8310425 04/25

H8310430 04/30

H8310435 04/35

H8310440 04/40

H8310445 04/45

H8310450 04/50

H8310460 04/60

H8310620 06/20

H8310625 06/25

H8310630 06/30

H8310635 06/35

H8310640 06/40

60018460 Assortment

H831SML Small

H831MED Medium

H831LRG Large

### X-TRA Spirals\*

60018441 06/20 21mm

60018442 06/25 21mm

60018443 06/20 25mm

60018444 06/25 25mm

60018445 06/20 31mm

60018446 06/25 31mm

60018455 Assorted

H8INTROKIT **HyFlex CM File Intro Kit,**  
6-Rotary File Asst. Packs (2-21mm, 4-25mm); SpectraPoint<sup>®</sup> GT  
Gutta-Percha Points, 1-Endo Procedure Block, 3-Endo File Practice  
Blocks, CD, Step by Step Card

H8101 **Endo Practice Block Pack:** 3 Acrylic Practice Blocks

H8102 **Endo Procedure Block**

## ALL ASSORTMENT PACKS

### HyFlex CM & HyFlex NT Asst.

1 file each: 08/25 19mm; 04/20; 04/25; 06/20; 04/30; 04/40

### SMALL - Asst.

1 file each: 08/25 19mm; 04/35; 04/30; 04/25; 04/20; 04/15

### MEDIUM - Asst.

1 file each: 08/25 19mm; 04/60; 04/50; 04/45; 04/40; 04/35

### LARGE - Asst.

1 file each: 08/25 19mm; 06/40; 06/35; 06/30; 06/25; 06/20

**HyFlex CM X-TRA Spirals 25mm Asst.** 1 file each:  
08/25NT, X-TRA Spirals 06/20, 06/25, 06/30, 04/35, 04/40

# HyFlex<sup>®</sup> GPF<sup>™</sup>

GLIDE PATH FILES



An established glide path can reduce torsional stress and increase the lifespan of the rotary instrument used for canal preparation, decrease chance for transportation and ledging that often occurs with hand instrumentation, lessen hand fatigue and save valuable chair time. HyFlex GPF will permit the clinician to negotiate working length quickly and efficiently. The HyFlex GPF Controlled Memory Files track well in the apical third and allow safer, more efficient preparations. They are available in 21, 25 and 31mm lengths.

## 21mm 6-packs

- HGPF8211501 **Navigator NT** File 15/01 10mm flute  
 HGPF8211502 **CM K** File 15/02 16mm flute\*  
 HGPF8212002 **CM K** File 20/02 16mm flute\*  
 HGPF821ASST **File Assortment** contains:  
 (2) GPF Navigator NT 15/01 10mm flute  
 (2) GPF CM K File 15/02 16mm flute\*  
 (2) GPF CM K File 20/02 16mm flute\*

## 25mm 6-packs

- HGPF8251501 **Navigator NT** File 15/01 10mm flute  
 HGPF8251502 **CM K** File 15/02 16mm flute\*  
 HGPF8252002 **CM K** File 20/02 16mm flute\*  
 HGPF825ASST **File Assortment** contains:  
 (2) GPF Navigator NT 15/01 10mm flute  
 (2) GPF CM K File 15/02 16mm flute\*  
 (2) GPF CM K File 20/02 16mm flute\*

## 31mm 6-packs

- HGPF8311501 **Navigator NT** File 15/01 10mm flute  
 HGPF8311502 **CM K** File 15/02 16mm flute\*  
 HGPF8312002 **CM K** File 20/02 16mm flute\*  
 HGPF831ASST **File Assortment** contains:  
 (2) GPF Navigator NT 15/01 10mm flute  
 (2) GPF CM K File 15/02 16mm flute\*  
 (2) GPF CM K File 20/02 16mm flute\*

# HyFlex<sup>®</sup> NT<sup>™</sup>

NITI FILES



HyFlex NT endodontic rotary NiTi file is designed to work in specific clinical situations, such as calcified canals, straight canals, retreatments and removing Gutta-Percha. HyFlex NT files are available in .06 and .04 tapers in 21mm, 25mm and 31mm lengths.

## 19mm 6-packs

HNT8190825 HYFLEX NT File 08/25

## 21mm 6-packs

|            |       |            |       |
|------------|-------|------------|-------|
| HNT8210415 | 04/15 | HNT8210450 | 04/50 |
| HNT8210420 | 04/20 | HNT8210460 | 04/60 |
| HNT8210425 | 04/25 | HNT8210620 | 06/20 |
| HNT8210430 | 04/30 | HNT8210625 | 06/25 |
| HNT8210435 | 04/35 | HNT8210630 | 06/30 |
| HNT8210440 | 04/40 | HNT8210635 | 06/35 |
| HNT8210445 | 04/45 | HNT8210640 | 06/40 |

HNT821SML File Assortment **Small**  
 HNT821MED File Assortment **Medium**  
 HNT821LRG File Assortment **Large**

## 25mm 6-packs

|            |       |            |       |
|------------|-------|------------|-------|
| HNT8250415 | 04/15 | HNT8250450 | 04/50 |
| HNT8250420 | 04/20 | HNT8250460 | 04/60 |
| HNT8250425 | 04/25 | HNT8250620 | 06/20 |
| HNT8250430 | 04/30 | HNT8250625 | 06/25 |
| HNT8250435 | 04/35 | HNT8250630 | 06/30 |
| HNT8250440 | 04/40 | HNT8250635 | 06/35 |
| HNT8250445 | 04/45 | HNT8250640 | 06/40 |

HNT825SML File Assortment **Small**  
 HNT825MED File Assortment **Medium**  
 HNT825LRG File Assortment **Large**

## 31mm 6-packs

|            |       |            |       |
|------------|-------|------------|-------|
| HNT8310415 | 04/15 | HNT8310450 | 04/50 |
| HNT8310420 | 04/20 | HNT8310460 | 04/60 |
| HNT8310425 | 04/25 | HNT8310620 | 06/20 |
| HNT8310430 | 04/30 | HNT8310625 | 06/25 |
| HNT8310435 | 04/35 | HNT8310630 | 06/30 |
| HNT8310440 | 04/40 | HNT8310635 | 06/35 |
| HNT8310445 | 04/45 | HNT8310640 | 06/40 |

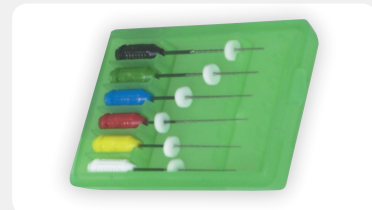
HNT831SML File Assortment **Small**  
 HNT831MED File Assortment **Medium**  
 HNT831LRG File Assortment **Large**

\*Controlled Memory NiTi files

## Ordering Information

### HyFlex X-File® Hand Files

**H08438 HyFlex X-File Hand Files Nickel Titanium Starter Kit**  
 Contains: 1 package of six of each size: #15 - #40  
 (all 25mm), 1 each of Assorted Sizes: #15 - #40 (all 25mm)



#### Stainless Steel (21mm), Box of 6

H08371 #08  
 H08372 #10

#### (25mm), Box of 6

H08393 #08  
 H08394 #10

#### Nickel Titanium (21mm), Box of 6

|            |                  |
|------------|------------------|
| H08374 #15 | H08386 #50       |
| H08376 #20 | H08387 #55       |
| H08378 #25 | H08388 #60       |
| H08380 #30 | H08389 #70       |
| H08382 #35 | H08390 #80       |
| H08384 #40 | H08391 #15 - #40 |
| H08385 #45 | H08392 #45 - #80 |

#### Nickel Titanium (25mm), Box of 6

|            |                  |
|------------|------------------|
| H08396 #15 | H08408 #50       |
| H08398 #20 | H08409 #55       |
| H08400 #25 | H08410 #60       |
| H08402 #30 | H08411 #70       |
| H08404 #35 | H08412 #80       |
| H08406 #40 | H08413 #15 - #40 |
| H08407 #45 | H08414 #45 - #80 |

### SpectraPoint® Greater Taper Gutta-Percha Points

(ISO Sized & Color-Coded)

#### .04 Taper, Box of 60

H08759 .04 #20  
 H08760 .04 #25  
 H08761 .04 #30  
 H08762 .04 #35  
 H08763 .04 #40  
 H08764 .04 #45

#### .06 Taper, Box of 60

H08765 .06 #20  
 H08766 .06 #25  
 H08767 .06 #30  
 H08768 .06 #35  
 H08769 .06 #40  
 H08770 .06 #45

H07778 Box of 60 - Asst.  
 (SpectraPoint Greater Taper  
 .04 Taper #20 - #45)

H07779 Box of 60 - Asst .  
 (SpectraPoint Greater Taper  
 .06 Taper #20 - #45)



### GuttaFlow®2 Cold Flowable Gutta-Percha

**60013709 GuttaFlow2 Automix Standard Set**  
 (Contains: 1 Dual-Barrel Syringe, 12 mixing tips, 1 mixing pad)

**60013746 GuttaFlow2 Refill Pack Dual-Barrel Syringe**  
 (Contains: 1 Dual-Barrel Syringe)

**60013710 GuttaFlow2 Intro Kit (Capsules)**  
 (Contains: 20 Capsules GuttaFlow2, 20 Canal Tips + Stops, 3 Adapters for RotoMix™\*, 1 Dispenser, 100 Retention Points ISO 30-60, 60 Gutta-Percha Points GT 0.04 ISO 20-45)

**60013711 GuttaFlow2 Refill Pack**  
 (Contains: 20 Capsules GuttaFlow2 + 20 Canal Tips w/stops)

**60013713 GuttaFlow2 FAST Refill Pack**  
 (Contrains 20 Capsules GuttaFlow2 FAST + 20 Canal Tips w/stops)



## Featured Products



### CanalPro® Apex Locator

The CanalPro Apex Locator is characterized by its brilliant, colored 3D panel and its accuracy of measurement. The ergonomic design and the easy operation allow comfortable use.

- Accuracy of measurement
- User-friendly, intelligent interface
- Virtual Apex Function
- Built-in self-test for a fast function control

#### **CanalPro Apex Locator** (60018737)

Contains: Measuring Cable, File Clips (2), Touch Probe (1), Lip Clip (5), AC Adapter, Rechargeable Battery



### CanalPro® CL

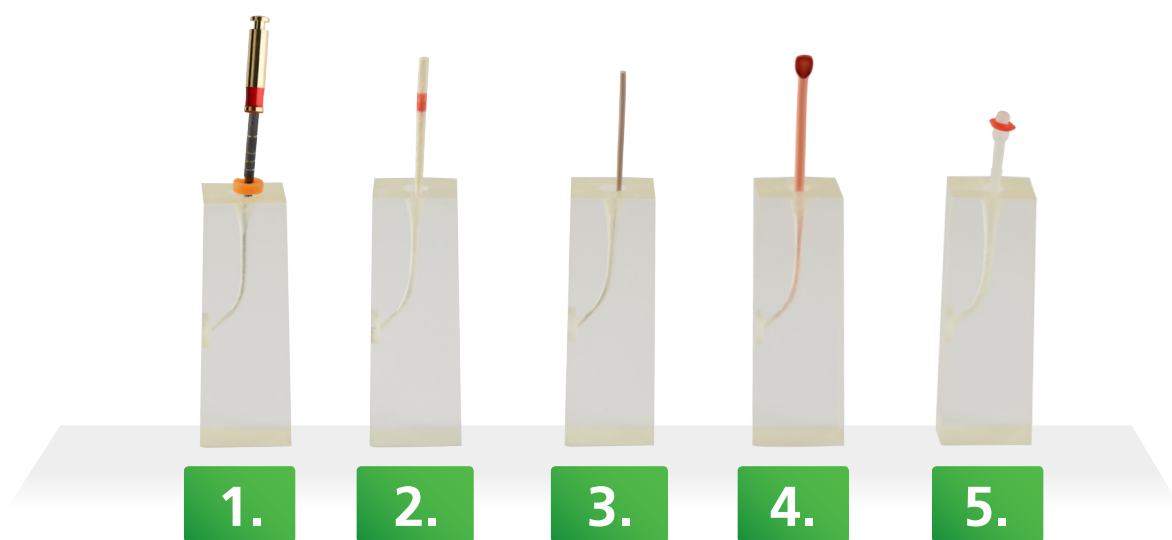
#### Cordless Handpiece

- Thin ergonomic design for better access to hard to reach areas
- Large, user-friendly LCD panel
- Memory for up to 5 programs
- 6 head positions of contra angle head
- Operates continuously for approx. 80 minutes at rated load
- Energy-saving, turns off when not used for 10 minutes
- Contra angle head is autoclavable at 135° C
- Rotation Speed (min-1): 140 ~ 550, Torque Level (N-cm): 0.3 ~ 3.0

#### **CanalProCL Complete Set** (H8CPCLINTRO)

Contains: CanalPro CL Motor Handpiece, CanalPro CL Contra Angle 16:1, CanalPro CL Charger

# COLTENE Endo has you covered from start to finish



## 1. Shaping

HyFlex X-File®  
HyFlex® EDM File  
HyFlex CM® File  
HyFlex® NT File  
HyFlex® GPF File

## 2. Drying

Hygenic® SpectraPoint® Paper Points  
Roeko Surgitip-Endo

## 3. Temporary Treatment

Calcium Hydroxide Points  
Coltosol F  
DuoTemp®

## 4. Obturation

Hygenic® Gutta-Percha Points  
Hygenic® SpectraPoint Paper Points  
Hygenic® SpectraPoint Greater Taper Points  
GuttaFlow® 2

## 5. Post Systems / Core-Build-up

ParaPost® Fiber Lux®  
ParaPost® Taper Lux  
ParaPost® X, XP, XH, XT  
ParaCore®

Patent Pending for HyFlex CM®

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+ 1 330 916 8800

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**COLTENE**

P/N 30464G