

DOWNPAK PART CODES

DownPak

EIDPI	EI DownPak USA/Canada/Japan
EIDPII	EI DownPak Continental Europe
EIDPIII	EI DownPak United Kingdom
EIDPIV	EI DownPak Australia

Stainless Tips

DPTXFR	Tip Plugger	ISO 030/.02
DPTFR	Tip Plugger	ISO 030/.03
DPTFMR	Tip Plugger	ISO 040/.05
DPTMR	Tip Plugger	ISO 050/.07
DPTLR	Tip Plugger	ISO 050/.09
DPTXLR	Tip Plugger	ISO 070/.11

UltraSoft Tips

DPTFU	Tip Plugger	ISO 030/.03
DPTFMU	Tip Plugger	ISO 040/.05
DPTMU	Tip Plugger	ISO 050/.07

NiTi Tips

DPTXFN	Tip Plugger	ISO 030/.02
DPTFMN	Tip Plugger	ISO 040/.02
DPTMN	Tip Plugger	ISO 050/.02

Cutting Spoon? Tips

DPTCSS	Cutting Spoon Small CSS.01
DPTCSL	Cutting Spoon Large CSL.49

Tip Carrier

DPTC

Instrument Bender

DPIB



EI

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Chicago, IL 60618

www.endoingenuity.com

1-877-EIENDO1

EI-102/10M/3-07

WELCOME TO THE NEW ERA OF OBTURATION





WHO IS EI?

Hu-Friedy has a long tradition of working closely with and listening to its valued customers.

The 2007 launch of EI, a Hu-Friedy company, reflects this same commitment to close collaboration with private practitioners, dental schools and thought leaders.

Our vision is to establish EI as the global leader in innovative endodontic products that result in more efficient procedures and more predictable outcomes.

EI is committed to maintaining an ongoing dialogue with endodontic practitioners to uncover unmet needs, to building strong relationships with thought leaders to develop technologies that can uniquely fulfill those needs, and to educating customers about the superiority of EI's products and services.

That is our mission. We will strive to always improve, to be good listeners, to be innovative, and to merit your confidence in our new company.

Ron Saslow

President and CEO, Hu-Friedy Mfg. Co., Inc.



SUCCESSFULLY INCORPORATE THE DOWNPAK DEVICE INTO YOUR PRACTICE

Incorporating the DownPak device into your practice is an effective way to provide optimal patient treatment, and generate more productivity and revenue for your practice. The following recommendations will ensure you maximize the benefits of adding the DownPak device to your practice:

1. Include an assortment of tips to meet the demands of the root canal system.

As practitioners know, each case presents its own unique anatomy and challenges. EI offers a wide selection of tips to meet the unique needs of endodontic treatment, from extra fine to spoon cutters.

2. Include a DownPak device in every operatory.

Based on the number of endodontic procedures typically performed each day in your practice, you may find that including one DownPak device per operatory improves the efficiency of endodontic treatment, and adds to the overall productivity of your practice.

3. Charge your DownPak device every evening for optimal performance.

This will ensure that the DownPak device is ready to be used beginning with the first patient through the entire day of Endodontic treatment. Since the DownPak requires 3 hours to re-charge, simply place the device in the charger at the end of the day for optimal battery power.

4. Organize, sterilize and protect your DownPak tips with IMS cassettes and tip carriers.

Working efficiently chairside is the key to a successful practice. Use the IMS cassette system to organize all instruments, accessories and disposables per procedure for quick identification and access. Proper infection control is facilitated by using IMS cassettes to move tips from cleaning to chairside. IMS cassettes and tip carriers will also extend the useful life of your DownPak tips by carefully holding them in an enclosed carrier, reducing potential damage or misplacement.

5. Use the DownPak Instrument Bender to protect DownPak tips during bending.

The DownPak instrument bender assists in fine-tuning the DownPak tips to match the specific curvature each root canal presents. Using the DownPak Instrument Bender helps provide greater access to the root canal space while minimizing potential damage to the tips while bending.

6. Educate your patients about the improved outcomes of heat and vibration in root canal treatment.

Use the introduction of the DownPak device as an opportunity to communicate to your patients that you are utilizing the most advanced and effective technology available in order to provide better treatment. Explain to them that by using precisely controlled heat and vibration, the root canal space will be more completely filled, thus reducing the risk that they will require re-treatment or develop complications. Conveying this information to your patients will encourage them to feel calm and confident in your care.

Please call EI customer service today for additional information, to schedule an in-office demonstration, to place an order, or to receive other EI information.

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FREQUENTLY ASKED QUESTIONS



1. What support does EI offer?

EI is a Hu-Friedy Company and adheres to the same rigorous standards for quality, innovation and service that you have come to trust with Hu-Friedy. EI has Endo Specialty Reps to support this product, as well as internal Customer Service and Technical Service support. In addition, we offer a 12 month warranty on the DownPak device from your date of purchase.

2. Can the device be used with a variety of tips for proper access to the canal?

EI offers 14 different tips that can be used with the DownPak device. They are available in three different materials (Stainless Steel, UltraSoft Steel, and NiTi) and different sizes and tapers. These tips can be bent with the DownPak Instrument Bender (DPIB) in order to follow the curvature of the root canal.

3. Can I use the device with synthetic filling materials?

The DownPak device will work with both traditional gutta percha and synthetic material. The temperature setting can be adjusted to soften Resilon® material.

4. What kind of vibration does the device produce?

DownPak's patented vibration feature produces gentle micro-pulses that vibrate the filling material, and have been proven to increase gutta percha fill density. The user should expect better results in less time, reducing coronal and apical leakage. The tip vibrates at a low frequency (100 Hz). The user can choose to work with or without tip vibration.

5. How many root canals can I perform before recharging the device?

Once the DownPak has been fully charged, it will have sufficient battery power to handle an endodontist's workload even on their busiest days.

DownPak

Cordless Obturation Device

Introducing the EI DownPak
with 3D Precision™ Technology.

The DownPak is the only obturation device on the market with the ability to deliver both **HEAT** and **VIBRATION** to condense filling materials.

This exclusive, dual-energy combination improves efficacy and efficiency, making your obturation technique more predictable.

The revolutionary, **CORDLESS** DownPak device offers unparalleled convenience and superior clinical outcomes through a 3-dimensional sealing of the root canal space.



PREDICTABLE RESULTS

The DownPak with 3D Precision Technology allows you to achieve reliable clinical outcomes.

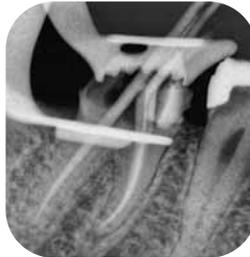
The following case studies illustrate the superior results achieved using the multifunctional DownPak device. The patented heat and vibration technology optimizes thermal, vertical and lateral root canal obturation and promises predictable results and peace of mind.

CASE STUDY #1

Radiographs taken during obturation with DownPak device courtesy of Dr. Stephen Cohen.



Pre-op file at working length



Master cone fit at working length



DownPak plugger tip at binding point



Post-op final fill using DownPak (D-post space added for restoration)

CASE STUDY #2

Radiographs taken during obturation with DownPak device courtesy of Dr. Paul Atkinson.



Pre-op file at working length



Master cone fit at working length



DownPak plugger tip at binding point



Post-op final fill using DownPak

DownPak features patented 3D?Precision™ Technology.

What is 3D Precision Technology?

The EI line of 3D Precision Technology Products features advanced engineering that enables precise and predictable endodontic treatment. These advanced products allow clinicians to truly achieve a **3-DIMENSIONAL** fill of the root canal space, and ensure superior performance and results.

Heat plus Vibration is Superior to all other Obturation Methods

When filling a root canal with filling material, there are three primary goals:

- Ensure a complete and comprehensive fill of the main and ancillary canals.
- Maintain good compaction so as to fill the canals with the highest percentage of material possible.
- Eliminate the presence of voids.

The DownPak instrument achieves these goals by employing both heat and vibration during the condensation process.

The combination of precisely controlled heat and vibration at the plugger tip has been demonstrated to fill primary root canals, accessory canals and surface irregularities more completely and more homogeneously than systems using only heat.¹

Clinical studies indicate that vibration may improve the flow of thermoplasticized gutta percha while also decreasing the number and size of voids (air pockets/empty spaces).^{2,3} This more complete seal of the root canal significantly reduces the risk of retreatment.

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“With better understanding of internal tooth anatomy, it is now even more important to get perfusion and movement of the obturation material into all aspects of the root canal system.

The revolutionary DownPak provides heat and vibration to move the filling material 3-dimensionally. This cordless device can be incorporated with any of the existing obturation techniques with great ease, providing consistent, predictable results.”

W. C. (FRED) WEINSTEIN
DMD, MRCD(Can),
FACD, FICD

REFERENCES

1. Pagavino G, Giachetti L, Nieri M, Giuliani V, Scaminaci Russo D. The percentage of gutta-percha-filled area in simulated curved canals when filled using EndoTwinn, a new heat device source. *Int Endod J.* 2006 Aug;39(8):610-5.
2. Baumgardner KR, Krell KV. Ultrasonic condensation of gutta-percha: An in-vitro dye penetration and scanning electron microscopic study. *J Endod.* 1990 Jun;16(6):253-9.
3. Deitch AK, Liewehr FR, West LA, Patton WR. A comparison of fill density obtained by supplementing cold lateral condensation with ultrasonic condensation. *J Endod.* 2002 Sep;28(9):665-7.



INDICATED USES FOR DOWNPAK

TECHNIQUES

The EI DownPak can be used in the following root canal obturation procedures:

- Softening root canal filling material
- Spreading root canal filling material laterally and vertically
- Compacting root canal filling material using vibration and heat, separately or in combination
- Removal of excess gutta percha (or cones) coronally

TIP TECHNOLOGY AND RANGE

Superior tip designs improve canal access, and provide optimal tip performance in any canal size and shape. DownPak offers the widest selection of tips in various materials, with smaller tip diameters, for perfect adaptation to hard-to-reach areas.

- Autoclavable for improved asepsis
- Comprehensive and easily visible identification markings
- Tip tapers ranging from .02 - .11

Available in 14 different heat & vibration tip designs:

- Six new Stainless Steel tip designs improve canal access
- Three uniquely shapeable UltraSoft tips (ISO 030, 040, 050 in various tapers)
- Three flexible NiTi tips
- Two Cutting Spoon tips (large and small)



DPTFMR

STAINLESS TIPS

The stainless steel heat carrier tips provide optimal performance in any canal size and shape.



DPTFMU

ULTRASOFT TIPS

Exclusive UltraSoft heat pluggers are easily bendable for curved canals.



DPTXFN

NITI TIPS

The unique XF NiTi tip with ISO 030 diameter and .02 taper allows for deeper condensation, especially in narrow canals.

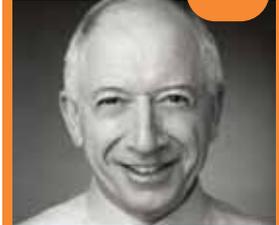


DPTCSS

CUTTING SPOONS

Two cutting spoon designs for cutting excess gutta percha points.

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“This remarkable, lightweight cordless device, the DownPak, delivers heat and reciprocal vibration, enabling the dentist to confidently compress warm gutta percha or Resilon into root canals with ease. The transition from conventional heating devices to the DownPak is surprisingly easy. With the quick-disconnect tips available for the many variables of canal anatomy, obturation has become extraordinarily predictable, providing all the rules for cleaning and shaping have been followed.”

DR. STEPHEN COHEN,
M.A., D.D.S.,
Diplomate American
Board of Endodontics

DOWNPAK FEATURES & BENEFITS

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“I believe in performing to a standard of excellence. I have built my career and clinical reputation by treating my patients the way I like to be treated. This is why I use the most reliable instruments and materials available for performing my root canal treatments. The multifunctional, ergonomic and innovative DownPak allows for ideal obturation of root canals with a variety of techniques. Its unique advantage of applying vibration during heating improves penetration of the tips inside the GP mass, resulting in greater plasticization.”

RICARDO CAICEDO,
Dr. Odon.,
Specialist in Endodontics,
Professor of Endodontics at
University of Louisville
Louisville, Kentucky

CORDLESS MOBILITY

DownPak's cordless design provides the ultimate in convenience and ergonomics.

HEAT

Offers a heat range up to approximately 350° C (662° F) that is effective with all obturation techniques and materials, and is easy to adapt to a clinician's preferred technique. (Note: Most clinicians will prefer to operate in the 200°C - 300° C range)

PATENTED VIBRATION

The clinician may choose to work with or without tip vibration. Vibration has been shown to increase gutta percha fill density. University studies show that DownPak's patented combination of heat and vibration technology results in a denser, more compact filling of the root canal space. The user should expect better results in less time, reducing coronal and apical leakage.

TECHNIQUE-COMPATIBLE

DownPak works with all warm obturation techniques and will even benefit cold condensation techniques when using the vibration feature. Our sophisticated technology and advanced product interface allow the endo specialist as well as the general dental practitioner to perform the most common methods of obturation.

VERSATILITY

DownPak offers the widest selection of tips in various materials, with smaller tip diameters for perfect adaptation to hard-to-reach areas.

USER-FRIENDLY AND SAFE

Simple and intuitive controls make it easy for the practitioner to adapt to this technology and experience new obturation techniques.

DownPak

Cordless Obturation Device

Tip Orientation
allows for 8 different angles for improved access and ergonomics

Operation Button
Press to initiate tip heat/vibration

Vibration Button
activates/deactivates vibration feature

+ / - Adjustment Buttons
Increase/decrease tip temperature when pressed

Display



DownPak's unique OLED screen displays temperature setting, battery life, and indicates vibration activation. The display is viewable from either side to accommodate left- or right-handed use.

Rechargeable Battery Pack

Orientation Marks

Charger

ACTUAL SIZE