DownPak™ Cordless Obturation Device

- **HEAT AND PATENTED VIBRATION**
Vibration has been shown to increase gutta percha fill density. The patented combination of heat and vibration technology results in a denser, more compact filling of the root canal space.

- **CORDLESS MOBILITY**
DownPak’s cordless design provides the ultimate in convenience and ergonomics.

- **TECHNIQUE-COMPATIBLE**
DownPak works with most warm obturation techniques and will even benefit cold compaction techniques when using the vibration feature. Allows the endodontist as well as the general dental practitioner to perform the most common methods of obturation.

- [www.endoingenuity.com](http://www.endoingenuity.com)

<table>
<thead>
<tr>
<th>DownPak</th>
<th>Part Code</th>
</tr>
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<tbody>
<tr>
<td>El DownPak USA/Canada/Japan</td>
<td>EIDPI</td>
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<tr>
<td>El DownPak Continental Europe</td>
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<td>El DownPak United Kingdom</td>
<td>EIDPIII</td>
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<td>El DownPak Australia</td>
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<table>
<thead>
<tr>
<th>Replacement Parts and Accessories</th>
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<tr>
<td>DownPak Handpiece</td>
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<td>DownPak Charger</td>
<td>DPCGR</td>
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<td>DownPak Battery Pack</td>
<td>DPBP</td>
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<tr>
<td>DownPak Power Supply USA/Canada/Japan</td>
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<td>DownPak Power Supply Continental Europe</td>
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<td>DownPak Power Supply United Kingdom</td>
<td>DPPSIII</td>
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<td>DownPak Power Supply Australia</td>
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</tbody>
</table>
TIP OPTIONS
All tips shown at 70% actual size.

STAINLESS STEEL

Tip Plugger XF ISO 030/.02  DPTXFR
Tip Plugger F ISO 030/.03  DPTFR
Tip Plugger FM ISO 040/.05  DPTFMR
Tip Plugger M ISO 050/.07  DPTMR
Tip Plugger L ISO 050/.09  DPTLR
Tip Plugger XL ISO 070/.11  DPTXLR

ULTRASOFT TIPS

Tip Plugger F ISO 030/.03  DPTFU
Tip Plugger FM ISO 040/.05  DPTFMU
Tip Plugger M ISO 050/.07  DPTMU
Tip Plugger XF ISO 030/.02  DPTXFN
Tip Plugger FM ISO 040/.02  DPTFMN
Tip Plugger M ISO 050/.02  DPTMN

NITI TIPS

Tip Plugger F ISO 030/.03  DPTFU
Tip Plugger FM ISO 040/.05  DPTFMU
Tip Plugger M ISO 050/.07  DPTMU
Tip Plugger XF ISO 030/.02  DPTXFN
Tip Plugger FM ISO 040/.02  DPTFMN
Tip Plugger M ISO 050/.02  DPTMN

CUTTING SPOON TIPS

Small CSS.01  DPTCSS
Large CSL.49  DPTCSL
DownPak Instrument Bender DPIB
DownPak Tip Carrier DPTC
DownPak Device Holder DPDH

ACCESSORIES
All accessories shown at 50% actual size.
EXPLORERS
To locate orifices.

EXCAVATORS
For removal of dentin.

MISCELLANEOUS
Locking pliers have horizontal and vertical grooves for holding points.
PLUGGERS

Used to compact filling material during vertical condensation.

$D_1 =$ Diameter of instrument 1 mm from the tip. These measurements (i.e., .30) appear next to the tips of the instruments shown below.

**ISO* Sized Pluggers**

**LUKS**

**DID YOU KNOW?**

ISO Pluggers have an ISO color-coded band on the handle for ease of identification during usage:

#30-Blue  #40-Black  #50-Yellow  #60-Blue
PLUGGERS

Used to compact filling material during vertical condensation. The instruments are marked at 5mm intervals to assess penetration depth.

\[ D_1 = \text{Diameter of instrument } 1\text{mm from the tip.} \]

These measurements (i.e., .40) appear next to the tips of the instruments shown below.

<table>
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<tr>
<th>ANTERIOR</th>
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<th>.55</th>
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<th>.90</th>
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\[ \text{DID YOU KNOW?} \]

Anterior condensers are 7mm longer than posterior condensers.
NICKEL TITANIUM ENDODONTIC SPREADERS

D Spreizinstrumente
F Fouloirs à canaux radiculaires
I Condensatori per Gutta
E Condensadores laterales para obturaciones
P Espaçadores
J ルートキャナル スプレダー
**SPREADERS**

To compact filling material during lateral condensation.

ISO* SIZED SPREADERS

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Material Type</th>
<th>Code</th>
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<tr>
<td>.20</td>
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</table>

*D1=Diameter of instrument 1mm from the tip. These measurements (i.e., .30) appear next to the tips of the instruments shown below.*

ISO* Spreaders have an ISO color-coded band on the handle for ease of identification during usage:

- #30-Blue
- #40-Black
- #50-Yellow
- #60-Blue

DID YOU KNOW?

- D Spreizinstrumente
- F Fouloirs à canaux radiculaires
- I Condensatori per Gutta
- E Condensadores laterales para obturaciones
- P Espaçadores
- J ルートキャナル スプレダー

---

*ISO - International Standards Organization

† Also available George Parson original design, 1-0 (RCSGP1-0), 2-0 (RCSGP2-0), and 3-0 (RCSGP3-0).

‡ Available in Anterior designs, please specify – (RCSOA), (RCSOIA).
CHIVIAN-ARENS ENDODONTIC SURGERY KIT

Group of 14 instruments selected and designed by Hu-Friedy in cooperation with Drs. Noah Chivian and Donald Arens. Available as a kit (ENDO-SKIT) or individually.

1. Explorer
2. Scapel Handle
3. Periosteal
4. Surgical Curette
5. Hourigan Retractor
6. Arens Tissue Retractor

Sheared version of #23 Seldin (P23).

D Chevian-Arens Endochirurgie-Kit
F Jeu d’instruments de chirurgie périapicale de Chevian-Arens
I Set di Chevian-Arens per chirurgia endodontica
E Kit para cirugia endodôntica Chevian-Arens
P Kit cirúrgico endodôntico de Chevian-Arens
J Chevian-Arens 歯科手術キット
CHIVIAN-ARENS ENDODONTIC SURGERY KIT

2 Posterior Arens Tissue Retractor
TRARENS2

85 Lucas Surgical Cuiette
CL85

87 Lucas Surgical Cuiette
CL87

#7, #8

IU17/18 Indiana University Curette
SIU17/18
#2, #4, #6, #7, #8

13/14 Columbia Curette
SC13/14
#2, #4, #6, #7, #8

18 Iris Scissors Curved/Delicate 11.5cm/4½"
S18
Shown at 50%.

Mathieu-Kocher Perma Sharp** Needle Holder 14cm/5½"
NH5074
Shown at 50%.

D Chevian-Arens Endodchirurgie-Kit
F Jeu d’instruments de chirurgie périapicale de Chevian-Arens
I Set di Chevian-Arens per chirurgia endodontica
E Kit para cirugía endodóntica Chevian-Arens
P Kit cirúrgico endodóntico de Chevian-Arens
J Chevian-Arens 歯科手術キット
FORCEPS/PUNCHES/RUBBER DAM ACCESSORIES

Shown 50% size.

**POST AND SILVER POINT REMOVAL FORCEPS** To remove posts from root canals

**RUBBER DAM CLAMP FORCEPS** Shown 40% size.

- **Steiglitz Straight** 14cm/5 1/2”
  - RFSTR

- **Steiglitz (Archer) 45°** 13.5cm/5 1/2”
  - RF45

- **Steiglitz 90°** 12cm/4 3/4”
  - RF90

- **4 17.5cm/7”**
  - RDF4

**RUBBER DAM FRAMES**

- **Rubber Dam Frame - Child** 13cm/5”
  - RDCF5

- **Rubber Dam Frame - Adult** 15cm/6”
  - RDAF6

**RUBBER DAM PUNCHES**

- **Rubber Dam Punch** 16cm/6 1/2”
  - RDP

- **Ainsworth 17cm/6 1/2”**
  - RDPA

---

**D** Wurzel-und Wurzelsplitterzangen/Kofferdam

**F** Lochzangen

**I** Pinces à fragments/Instruments à digue

**E** Pinze per Diga

**P** Pinças/Pinças Porta-grampo/Perfuradores de dique de borracha

**J** クランプフォーセッブス/ラバーダムパンチ
RUBBER DAM TEMPLATES
Shown at 40% size.

Rubber Dam Clamp Forceps
Rubber Dam Punch
Rubber Dam Frame - Adult
Universal Rubber Dam Template
FDI Rubber Dam Template
Rubber Dam Clamp Organizing Board
#0 Satin Steel® Rubber Dam Clamp
#1 Satin Steel® Rubber Dam Clamp
#2 Satin Steel® Rubber Dam Clamp
#7 Satin Steel® Rubber Dam Clamp
#8 Satin Steel® Rubber Dam Clamp
#8A Satin Steel® Rubber Dam Clamp
#14A Satin Steel® Rubber Dam Clamp
#212 Satin Steel® Rubber Dam Clamp

RUBBER DAM KIT
Rubber Dam Kit includes items listed below (also available individually)

Rubber Dam Clamp Forceps
Rubber Dam Punch
Rubber Dam Frame - Adult
Universal Rubber Dam Template
FDI Rubber Dam Template
Rubber Dam Clamp Organizing Board
#0 Satin Steel® Rubber Dam Clamp
#1 Satin Steel® Rubber Dam Clamp
#2 Satin Steel® Rubber Dam Clamp
#7 Satin Steel® Rubber Dam Clamp
#8 Satin Steel® Rubber Dam Clamp
#8A Satin Steel® Rubber Dam Clamp
#14A Satin Steel® Rubber Dam Clamp
#212 Satin Steel® Rubber Dam Clamp

D Kofferdam-Schablonen
F Modèles de digues dentaires
I Porta-Uncini per diga
E Modelos para dique de goma
P Arcos para dique de borracha
J ラバーダムテンプレート

D Kofferdam-Kit
F Jeu de digues et de crampons dentaires
I Kit per Uncini
E Kit para dique de goma
P Kit de dique de borracha
J ラバーダム キット
Rubber Dam Clamps
Satin Steel® Clamps shown 75% actual size.

Molars – General

8A
RDCM8A
Deeply festooned four-point jaws for molars.

W8A
RDCMW8A
Slightly festooned jaws for molars.

8AD
RDCM8AD
Deeply festooned jaws and extended bow for distal access to molars.

10
RDCM10
Flat jaws designed for small upper left and lower right molars; paired with RDCM11.

11
RDCM11
Flat jaws designed for small upper right and lower left molars; paired with RDCM10.

14
RDCM14
Deeply festooned jaws for partially erupted or irregularly shaped molars.

14A
RDCM14A
Deeply festooned jaws for partially erupted or irregularly shaped molars; larger than RDCM14.

18
RDCM18
Flat jaws and stiff bow for molars.

24
RDCM24
Flat jaws for upper right and lower left molars; paired with RDCM25.

25
RDCM25
Flat jaws for upper left and lower right molars; paired with RDCM24.

26N
RDCM26N
Flat jaws for large molars.

27
RDCM27
Flat jaws for upper molars.

Upper Molars

56
RDCM56
Slightly festooned jaws for large molars.

56S
RDCM56S
Slightly festooned serrated jaws for large partially erupted or irregularly shaped molars.

4
RDCM4
Flat narrow jaws for small upper right molars.

5
RDCM5
Deeply festooned jaws for large upper molars.

8
RDCM8
Deeply festooned jaws for upper molars.

W4
RDCMW4
Flat narrow jaws for small upper left molars.

The Satin Steel® matte finish was designed to reduce the reflection of operatory lights, which can help to reduce eye fatigue.
**RUBBER DAM CLAMPS**
*Satin Steel® Clamps shown 75% actual size.*

<table>
<thead>
<tr>
<th>UPPER MOLARS</th>
<th>LOWER MOLARS</th>
<th>PREMOLARS</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="RDCM30" /></td>
<td><img src="image" alt="RDCM3" /></td>
<td><img src="image" alt="RDCM0" /></td>
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<tr>
<td><strong>30</strong></td>
<td><strong>3</strong></td>
<td><strong>0</strong></td>
</tr>
<tr>
<td>Offset jaws for upper right molars; paired with RDCM31.</td>
<td>Flat narrow jaws for small lower molars.</td>
<td>Flat jaws and high bow for longer premolars.</td>
</tr>
<tr>
<td><img src="image" alt="RDCM31" /></td>
<td><img src="image" alt="RDCM7" /></td>
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</tr>
<tr>
<td><strong>31</strong></td>
<td><strong>7</strong></td>
<td></td>
</tr>
<tr>
<td>Offset jaws for upper left molars; paired with RDCM30.</td>
<td>Flat jaws for lower molars.</td>
<td>Slightly festooned jaws for upper premolars.</td>
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<tr>
<td><img src="image" alt="RDCM201" /></td>
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<td><strong>13A</strong></td>
<td><strong>1A</strong></td>
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<tr>
<td>Slightly festooned jaws for upper molars.</td>
<td>Serrated offset jaws for lower left molars; paired with RDCM12A.</td>
<td>Deeply festooned jaws for canines and premolars.</td>
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<td><img src="image" alt="RDCM205" /></td>
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<tr>
<td><strong>205</strong></td>
<td><strong>26</strong></td>
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<tr>
<td>Slightly festooned jaws for large upper molars.</td>
<td>Slightly reversed festooned jaws for small lower molars.</td>
<td>Flat jaws for lower molars.</td>
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<tr>
<td><strong>28</strong></td>
<td><strong>2</strong></td>
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</tr>
<tr>
<td>Flat jaws for lower molars.</td>
<td>Flat jaws for premolars.</td>
<td></td>
</tr>
</tbody>
</table>
**PREMOLARS**

- **W2** RDCMW2
  - Flat jaws for premolars.

- **2A** RDCM2A
  - Flat jaws for larger premolars.

- **2AS** RDCM2AS
  - Flat serrated jaws for larger premolars.

- **27N** RDCM27N
  - Slightly festooned jaws for premolars.

- **29** RDCM29
  - Flat jaws for lower premolars.

**ANTERIOR**

- **6** RDCM6
  - Slightly offset jaws for labial caries on anterior teeth.

- **9** RDCM9
  - Offset flat jaws and stiff bow for anterior teeth.

- **9S** RDCM9S
  - Offset flat serrated jaws for anterior teeth.

- **212** RDCM212
  - Slightly offset staggered jaws for odd shaped anteriors.

- **212SA** RDCM212SA
  - Flat jaws and high bow for small lower canines and first premolars.

**Rubber Dam Clamp Organizing Board**

**RDCOB**

Used to store, sterilize and organize rubber dam clamps.

Dimensions: 4.62" x 2.4" x .375"
(117mm x 61mm x 10mm)
APICAL PLUGGERS

Designed with one round tip and one oval tip for retrofill condensation. Straight apical pluggers assure straight and direct access to lingually positioned apices. Angled apical pluggers are useful in narrow isthmus preparations, thin roots or grooved apical preparations.

STRAIGHT

ANGULATED
APICAL BURNISHERS
Straight ball burnishers directly access lingual or distal locations with ease and visibility. Angled ball burnishers feature a long shank allowing optimal reach and visibility of the working end.

RETRO FILLING
The retro filling instruments are sized to work with ultrasonic preparation tips.
IMPLANT & MEMBRANE PLACEMENT SURGICAL KIT

Group of 15 instruments created in consultation with Dr. Daniel Buser.

- #86 Lucas Surgical Curette
- 1⁄2 Buser Modified Periosteal Chisel 3mm/4mm
- CL86 Modified version of JO1/2 and 13K/13KL.
- PPBUSER1/2 Modified version of JO2/3 and 13K/13KL.
- 2⁄3 Buser Modified Periosteal Chisel 4mm/5mm
- PPBUSER2/3 Modified version of JO1/3 and 13K/13KL.
- 1⁄3 Buser Modified Periosteal Chisel 3mm/5mm
- PPBUSER1/3

Buser Periosteal #6 Handle

PPUSER
Combination #3 Prichard narrow elevator and large #9A Allen paddle design with hole.

#3/9A Periosteal

PPR3/9A
Small, delicate, spoon-shaped excavator used to debride limited access areas.

#220/221 Darby-Perry Excavator

EXC220/1
Membrane Placement Instrument

PMI

For delicate tissue retraction. Spear shaped end initiates the flap by reflecting the papilla in a sulcular incision. Small paddle shaped end continues the flap reflection.

Modified version of JO1/2 and 13K/13KL.

Modified version of JO2/3 and 13K/13KL.

Modified version of JO1/3 and 13K/13KL.

Modified version of JO2/3 and 13K/13KL.

Modified version of JO1/3 and 13K/13KL.

Modified version of JO2/3 and 13K/13KL.
IMPLANT & MEMBRANE PLACEMENT SURGICAL KIT
Dr. Daniel Buser Kit continued.

1x2 straight jawed tissue pliers with tungsten-carbide inserts used during suturing or tissue removal.

Tungsten-carbide inserts grip fine delicate flaps while limiting soft tissue trauma.

Adson 1x2 Perma Sharp®
Tissue Pliers 12cm/4 3⁄4”
TP3042

Adson Plain Perma Sharp®
Tissue Pliers 12cm/4 3⁄4”
TP5041

18 Hu-Friedy Rongeur
R18
Shown at 75% size.

#4 Mosquito Hemostat
H4
2 recommended per kit. Shown at 75% size.

Iris Curved Perma Sharp®
Scissors
SS083
Tungsten carbide inserts on both cutting edges. Used for fine tissue, membrane or suture cutting. Shown at 75% size.

Fine Swedish Pattern Perma Sharp®
Needle Holder
NH5052
Tungsten carbide inserts securely grasp needle and prevent needle rotation or suture slipping. Shown at 75% size.

D Implantat & Membran Chirurgie-Set
F Jeu d’instruments pour implants et membranes
I Kit per impianti e membrane
E Set quirúrgico para implantes y membranas
P Kit cirúrgico para implantes e membranas
J インプラント&メンブレン外科用キット
KRAMER-NEVINS SINUS LIFT KIT

Group of six instruments facilitates the surgical enhancement of sites in preparation for the placement of dental implants.

Edentulous Ridge Chisel (#36 Gold Foil Knife) 

Initiates splitting extremely narrow bone ridges when a bur is not recommended. Used with light taps from a mallet until an approximate 6mm depth is reached.

GF36

#35 Kramer-Nevins Bone Chisel 5.5mm

Sharp, mono-beveled, long chisels are designed to widen the split bone. The choice of chisel (width, length, bevel) is dependent on the shape and dimension of the bone ridge.

CKN55

#75 Kramer-Nevins Bone Chisel 7.5mm

#3 Kramer-Nevins Bone Chisel 7.5mm

#152 Kramer-Nevins Periosteal

Used to begin the delicate separation of the sinus lining following the osteotomy. Available in #6 Handle.

PKN152

#6577 Sinus Lift Instrument Acute

Designed to further separate the sinus lining from the bone without fraying or tearing. The acute and obtuse angles will facilitate access to the mesial, distal, superior or inferior aspects. Available in #6 Handle.

IMP6577SC

#6578 Sinus Lift Instrument Obtuse

IMP6578

DID YOU KNOW?

All six Kramer-Nevins Sinus Lift instruments are available as a kit (part code SLKNKIT).
MICROSURGICAL MIRRORS

Double sided mirrors are manufactured from highly polished stainless steel and come in rounded or rectangular shapes. Different sizes and shapes allow for ideal access and visibility in all clinical situations.

**Handles of the MM1, MM2 and MM3 are marked with one, two or three bands for easy identification.**
MICROSURGICAL MIRRORS

1. Velvart
   MMVEL1 Stainless Steel

2. Velvart
   MMVEL2 Stainless Steel

Micro Mirror*
Round
2.5mm

* MBW wrench required for assembly.
See page E8.
Apical Explorer

MEX1
Used to initiate the tracking groove in the root tip.

1 Abou-Rass Endodontic Explorer

MAR-EX1
All-purpose explorer that will not bend under pressure.

2 Abou-Rass Endodontic Explorer

MAR-EX2
All-purpose 30mm probe for measuring direct root length in search of the apex, or any direct measurement.

3 Abou-Rass Endodontic Explorer

MAR-EX3
Used to enlarge the opening made by MAR-EX1 into cortical bone to allow drainage.

4 Abou-Rass Endodontic Explorer

MAR-EX4
Penetrates small osseous defect in cortical bone where MAR-EX1 is too large.

5 Abou-Rass Endodontic Explorer

MAR-EX5
45°-angled explorer may be used to check dentinal defects, such as root caries, root resorption and fracture lines.

6 Abou-Rass Endodontic Explorer

MAR-EX6
90°-angled, sharp-pointed explorer for detecting apical foramen and apical seal quality.
MICROSURGICAL CURETTES
For apical surgery; useful for tissue degranulation or placing filling material into apical preparations.

MICROSURGICAL EXCAVATORS
Long-shanked excavators for access into difficult and confined areas.
APICAL PLUGGERS/BURNISHERS

 Designs feature a small ball burnisher with straight, right, left and universal condensers in three different sizes.