Product Innovation and Features
Product Configuration
Why Choose EndoGuide™ Burs?
Benefits to the Dentist and Patient
Article and Featured Case
Resources and Order Numbers
Product Innovation and Features
Product Configuration
Why Choose EndoGuide™ Burs?
Benefits to the Dentist and Patient
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Resources and Order numbers
Set of 8 uniquely designed carbide burs

For root canal access & exploration

Patented¹, conical-shaped, micro-diameter tip

Variety of shank lengths, head size and shapes

¹. U.S. Patent No. 6,257,889 B1
Endoguide™ Burs:
- Over 5 years in development
- A modification of SS White® Fissurotomy® Bur

EndoGuide™ Burs join other SS White® instruments that support minimally invasive dentistry
SS White® co-developed EndoGuide™ Burs with:

Dr. David Clark, General Dentist

Dr. John Khademi, Endodontist

- pioneers in micro-dentistry
- practice a philosophy of minimally invasive dentistry

SS White® and the co-developers of EndoGuide™ Burs

- Share the philosophy of conserving tooth structure
Conical-shaped head: Acts as a self-centering guide
Creates ideal guide-path for endodontic files

Micro-diameter tip: Efficient navigation in small canals
Conserves vital peri-cervical dentin
Enhances tactile sense of tooth surface

Carbide construction: Leaves polished dentin surface
for easier read of dentinal map

Extended shank: Maintains functional view of canal path

Long, lateral blades: Sustains guidance to and within root canals

End-rounded: Passive safe-ended tip
EndoGuide™ Burs: Product Features

Comparison:
Actual Size of EndoGuide™ Bur Diminutive Tip versus View through Surgical Operating Microscope

Actual size of EndoGuide EG1A

Dentist’s view of root canal and EG1A through surgical operating microscope
Choice of (3) high speed, friction grip
For access to pulp chamber & canal exploration

**EG1A**
- Create access in non-restored anteriors & bicuspids

**EG3**
- Create access in small incisors
- Troughing & navigating calcified canals

**EG4**
- Deep troughing
- Navigating ovoid and calcified canals
EndoGuide™ Burs: Product Features

Choice of (5) slow speed, right angle latch-type

For canal exploration

Uses in Root Canal

- De-roofing the pulp chamber
- Deep troughing
- Deep orifice enlargement
- Enlarging and navigating calcified canals
- Retrieving separated instruments

EG1–EG2–EG5–EG6–EG7
Eight EndoGuide Burs
Sold in 2 kits and individually

Molar Kit
(for canal exploration)

Anterior/Bicuspid Kit
(for canal exploration & access)
EndoGuide™ Anterior/Bicuspid Kit
For precision endodontic access and exploration of teeth with single root canals.

The kit contains:
- (1) SS White® Great White® #2 metal cutting bur
- (2) Great White® Z Diamonds for access through porcelain and zirconia
- (4) EndoGuide™ Burs for straight-line canal access and exploration
EndoGuide™ Molar Kit
For endodontic exploration to maximize efficiency and control when locating hidden canals, navigating deeply calcified canals and troughing between canals in molars.

The kit contains:

(2) Surgical Length, SLRA*

(3) Extra Long, EXRA*

(2) Surgical Length, SLFG**

* For right angle latch, slow-speed handpiece
** For friction-grip, high speed handpiece
EndoGuide™ Burs Product Configurations

Sold individually in 5-packs

<table>
<thead>
<tr>
<th>Bur #</th>
<th>EG1A</th>
<th>EG1</th>
<th>EG2</th>
<th>EG3</th>
<th>EG4</th>
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<td>14794</td>
<td>14795</td>
<td>14786</td>
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</table>
EndoGuide™ Burs Product Configurations

Partner Products for initial access and de-roofing the pulp chamber:

Great White® #2 Carbide Bur
Great White® Z Diamonds

<table>
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<td>13095 (100-pk)</td>
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(Round End Cone) (Round)

Sold separately or supplied in the EndoGuide™ Anterior/Bicuspid Kit for Endodontic Access and Exploration
Product Innovation and Features
Product Configuration
Why Choose EndoGuide™ Burs?
Benefits to the Dentist and Patient
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Resources and Order Numbers
Why Choose EndoGuide™ Burs?

Eliminate Round Bur “Run-Off” during Endodontic Access

Multiple access path deviations caused by round bur “run-off”
Why Choose EndoGuide™ Burs?

Eliminate Round Bur “Run-Off” during Endodontic Access

Multiple access paths caused by round bur “run-off”

Can lead to:
- Gouging and ledging of canal path
- Time consuming search for canal orifice
- Round bur invasion of healthy peri-cervical tooth structure
Why Choose EndoGuide™ Burs?

Take a Straight-Line Path to Canal Access

EndoGuide™ Burs conical-shaped, micro-diameter tip acts as a self-centering guide
Why Choose EndoGuide™ Burs?

Take a Straight-Line Path to Canal Access

EndoGuide™ Burs conical-shaped, micro-diameter tip acts as a self-centering guide

- Precision guidance for efficient canal access
- Create ideal guide-path for endo files (no gouging)
- Efficient canal identification
- Conserve peri-cervical dentin (preserves strength of tooth)
Why Choose EndoGuide™ Burs?

Compare EndoGuide™ to Round Burs for Canal Access

- Efficient, precise canal access with EndoGuide™ Bur
- Conserves peri-cervical dentin; preserves critical tooth structure to support restoration

- Gouging/ledging caused by round bur ‘run-off’ during access
- Invades peri-cervical dentin: Risks perforation
Why Choose EndoGuide™ Burs?

Compare EndoGuide™ to Round Burs for Canal Access

Round bur creates a parallel-sided access path which is not conducive to canal identification and can lead to file ledging and breakage.
Why Choose EndoGuide™ Burs?

Compare EndoGuide™ to Round Burs for Canal Access

Endoguide™ Bur creates a funnel-shaped access path to effectively locate calcified canals and efficiently guide the file into the canal
Why Choose EndoGuide™ Burs?

Compare to Round or Flame Shaped Burs for Canal Exploration

EndoGuide™ Burs:
- Precise guidance to canal
- Long, lateral blades sustain guidance when accessing and exploring root canals
- Funnel-shaped, small bur design improves canal visualization
- Shape more closely mimics canal

Endoguide™ Burs can Replace/Enhance Conventional Instrumentation such as standard round burs, Munce Discovery Burs™, Mueller Burs, Gates Glidden Burs.
Why Choose EndoGuide™ Burs?
Compare to Ultrasonic Instrumentation

EndoGuide™ Burs:

- Increase tactile sense of dentin surface and calcified canal
- Reduce or replace use of costly ultrasonic tips
- Carbide bur versus abrasive-coated ultrasonic tip leaves a polished dentinal surface

Ultrasonic endodontic tip versus EndoGuide™
Why Choose EndoGuide™ Burs?

Compare to Ultrasonic Instrumentation

Efficient Identification of Calcified / MB2 Canals

**EndoGuide™ Burs:** Create a polished dentinal surface that yields better visual clues as to location of calcified/ MB2 canal orifice

Polished dentin surface finish after use of EndoGuide™ Burs

Cloudy visual map due to chattered surface created by use of ultrasonic tips
- Product Innovation and Features
- Product Configuration
- Why Choose EndoGuide™ Burs?
- Benefits to the Dentist and Patient
- Article and Featured Case
- Resources and Order Numbers
“This is an ideal bur series for magnification-driven endodontics. The long shanks facilitate vision when using magnification and the conical tip design creates a smooth funnel-shape prep that make reading the ‘dentine map’ easier; more efficient than ultrasonics for difficult canal location.”

Eric Herbranson, DDS, MS
How Does Use of EndoGuide™ Burs Benefit the Dentist and Patient?

- **Endodontist**
  - Maximize treatment efficiency
  - Reduce instrumentation
  - Reduce procedure time

- **General Dentist**
  - Conserve healthy tooth structure to support subsequent tooth restoratives

- **Referring Dentist**
  - Referring dentist satisfaction with more preserved tooth structure to support restoration

- **Patient**
  - Patient satisfaction with reduced procedure time
Product Innovation and Features
Product Configuration
Why Choose EndoGuide™ Burs?
Benefits to the Dentist and Patient
Article and Featured Case
Resources and Order Numbers
Modern Anterior Endodontic Access and Directed Dentin Conservation

Written by David Clark DDS and John Khademi DDS MS

The authors are Dr. David Clark, a general dentist and pioneer in Biomimetic Microendodontics and Minimally Traumatic Restorative Microdentistry; and Dr. John Khademi, an endodontist and pioneer of Restoratively Driven Micro-Endodontics. Together they explore the Endodontic-Endo-Restorative-Prosthodontic (EERP) continuum. This article focuses on the pervasive endodontic problems vexing patients, restorative dentists and endodontists. The authors provide alternative models and thought processes to treat the tooth in a non-traditional approach -- from cusp tip to apex. Finally they will propose immediate tools to implement these important changes.

During patient treatment, the clinician needs to consider a multitude of factors that will affect the ultimate outcome. In simple terms, these factors can be grouped into three categories: the operator needs, the restoration needs, and the tooth needs. The operator needs being conditions the clinician needs to treat the tooth. The restoration needs being the prep dimensions and tooth conditions for optimal strength and longevity. The tooth needs being the biologic and structural limitations for a...
Product Innovation and Features
Product Configuration
Why Choose EndoGuide™ Burs?
Benefits to the Dentist and Patient
Article and Featured Case
Resources and Order Numbers
Cross Reference Identification Chart

A laminated “chairside guide” for reference by dentist and dental assistant.
EndoGuide™ Burs Resources

How to use the cross-reference chart
For quick ID of diminutive EndoGuide Burs: steps 1, 2, 3

STEP 1: Determine shank type.

- FG Shank (Friction Grip)
- RA Shank (Right Angle)

---

STEP 2: Determine the overall length of bur by superimposing on actual size gauge.

BUR LENGTH SIZE GAUGE

- 26mm – 29mm
- 34mm

---

STEP 3: Identify the specific bur by size of head by superimposing on actual size gauge.

HEAD LENGTH SIZE GAUGE

- 1.5mm
- 2.5mm
- 3.5mm
# EndoGuide™ Bur: Resources

For quick ID: Step 4:

## FG Shank and Overall Length of Bur = 26mm–29mm then:

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Actual Head Size</th>
<th>200x Magnification</th>
<th>Order #</th>
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<tr>
<td>EG1A</td>
<td>2.5mm</td>
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<td>15066</td>
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<tr>
<td>EG3</td>
<td>1.5mm</td>
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<td>15023</td>
</tr>
<tr>
<td>EG4</td>
<td>3.5mm</td>
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<td>15029</td>
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## RA Shank and Overall Length of Bur = 26mm–29mm then:

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<th>Instrument</th>
<th>Actual Head Size</th>
<th>200x Magnification</th>
<th>Order #</th>
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<tr>
<td>EG2</td>
<td>2.5mm</td>
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## RA Shank and Overall Length of Bur = 34mm then:

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<td>14794</td>
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<tr>
<td>EG6</td>
<td>2.5mm</td>
<td></td>
<td>14795</td>
</tr>
<tr>
<td>EG7</td>
<td>1.5mm</td>
<td></td>
<td>14786</td>
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Kit and Bur Reference Guide:
Side 2 of Cross Reference Identification Chart

Includes:
• Operational instructions
• Bur#
• Bur Photo
• Bur Type
• Overall length
• Head Length
• SSW order #
• Included in Kit (A/B or M)
• Recommended applications
<table>
<thead>
<tr>
<th>Resource</th>
</tr>
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<tbody>
<tr>
<td><a href="http://www.endoguideburs.com">www.endoguideburs.com</a></td>
</tr>
<tr>
<td>Dr. Clark video</td>
</tr>
<tr>
<td>Article by Dr Clark</td>
</tr>
<tr>
<td>Testimonials quotes by dentists</td>
</tr>
<tr>
<td>Profiles of the co-developers</td>
</tr>
<tr>
<td>EndoGuide Sell Sheet and Kit and Bur Reference Guide</td>
</tr>
<tr>
<td>EndoGuide Cross Reference ID Chart</td>
</tr>
<tr>
<td>EndoGuide PowerPoint for presentations</td>
</tr>
<tr>
<td>Link to Dr. Clark radio interview on ‘dentaltalkradio.com’</td>
</tr>
<tr>
<td>‘Endo System’ promotion</td>
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<tr>
<td>CORE video presentation</td>
</tr>
<tr>
<td>Press Release: other print &amp; video materials as developed</td>
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## EndoGuide™ Burs: Kit Ordering Guide

### EndoGuide™ Anterior/Bicuspid: Specifications and Recommended Applications

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<tr>
<td>EG1A</td>
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<td>2.5</td>
<td>- Initial access in non-restored anterior and bicuspid teeth</td>
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<tr>
<td>EG1</td>
<td>SLRA</td>
<td>3.5</td>
<td>- Deep troughing; Deeper orifice enlargement and calcified canals</td>
<td></td>
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<tr>
<td>EG2</td>
<td>SLRA</td>
<td>2.5</td>
<td>- De-roofing pulp chamber; Deep orifice enlargement and calcified canals</td>
<td></td>
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<tr>
<td>EG3</td>
<td>SLFG</td>
<td>1.5</td>
<td>- Initial access for small incisors; Troughing and navigating calcified canals</td>
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<tr>
<td>GW2</td>
<td>FG</td>
<td>4.0</td>
<td>- Metal crown access or removal; Amalgam restoration and decay removal; Molar initial access and de-roofing</td>
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<tr>
<td>GWZ 856-018</td>
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<td>8.0</td>
<td>- Ceramic/zirconia crown removal; Molar initial access and de-roofing</td>
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<tr>
<td>GWZ 801-018</td>
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<td>1.8</td>
<td>- Initial access through molars and ceramic/zirconia crowns; Molar initial access and de-roofing</td>
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## EndoGuide™ Molar Kit: Specifications and Recommended Applications

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<tr>
<td>EG2</td>
<td>SLRA</td>
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<td>• De-roofing pulp chamber; Deep orifice enlargement and calcified canals</td>
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<tr>
<td>EG3</td>
<td>SLFG</td>
<td>1.5</td>
<td>• Initial access for small incisors; Troughing and navigating calcified canals</td>
</tr>
<tr>
<td>EG4</td>
<td>SLFG</td>
<td>3.5</td>
<td>• Deep troughing; Navigating super ovoid and calcified canals</td>
</tr>
<tr>
<td>EG5</td>
<td>XLRA</td>
<td>1.5</td>
<td>• Deep troughing</td>
</tr>
<tr>
<td>EG6</td>
<td>XLRA</td>
<td>2.5</td>
<td>• Retrieving separated instruments</td>
</tr>
<tr>
<td>EG7</td>
<td>XLRA</td>
<td>1.5</td>
<td>• Navigating deeply calcified canals</td>
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**EndoGuide™ Burs: Bur Ordering Guide**

<table>
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<th>EG2</th>
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**Great White® and Great White® Z: Bur Ordering Guide**

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(Round End Cone)  (Round)

Sold separately or supplied in the EndoGuide™ Anterior/Bicuspid Kit for Endodontic Access and Exploration
SS White®...Changing Dentistry for the Better...Again.

Are You Ready to.....
TAKE A STRAIGHT-LINE PATH TO EFFICIENT CANAL ACCESS