Brasseler USA ENDOSEQUENCE® FIBER POST SYSTEM
Instructions For Use

Description:

The EndoSequence® Post is made of Zirconia AR-glass fibers that result in increased strength and radiopacity. The fibers are contained in a special translucent epoxy resin material which allows the EndoSequence® Post to be used with today's light or dual curing composite materials. The new EndoSequence® Post is factory silanated and exhibits a chemical adhesion to core composite material and bonded resin cements. The EndoSequence® Post's unique resin matrix allows for improved wetting and consequently, a higher ratio of fibers, thereby increasing the mechanical properties of the post.

Contraindications:

- Do not use when the tooth is erased at the gingiva level with no remaining coronal walls, or if these remaining walls are less than 2 mm in height.
- Do not use If a part of the remaining crown is under gingiva, the joint between composite and root being in gingiva fluids cannot be trusted, then a castcore is more indicated.
- The EndoSequence® Post is made of Zirconia AR-glass fibers and should not be used for individuals with known allergic sensitivity to zirconia.

Directions For Use:

- Select the EndoSequence® post size that best fits the instrumented canal.
- Establish the desired post length and set the rubber stopper on the post.
- Obturate the canal space with gutta percha.
- Burn out the appropriate amount of gutta percha.
- Clean the exposed canal wall surface.
- Prepare canal walls with bonding agent of your choice.
- Coat post surface and canal walls with post cement and place post in the canal.
- Cure the post cement and then remove the stopper from the post.
- Build core and light cure.

⚠ ***Caution:*** *(It is recommended that you read the below instructions for a complete understanding of the system).*

Complete Instructions:

I. Canal Preparation and Post Selection/Placement

1. Complete the root canal preparation using the EndoSequence® constant taper rotary file system.
2. Select a post that most closely matches the size of the last EndoSequence® rotary file taken to working length keeping in mind the amount of gutta purcha you wish to be left in the canal.
3. Place the selected post in the root canal prior to obturation to confirm the fit and length of the post. Depending upon the desired length of the post in the canal, you can choose to go to a larger or smaller size post. This is acceptable because the endodontic preparation created by EndoSequence® is a constant taper shape. If preferred, use the corresponding burnout pluggers to determine your post size.
4. To establish the length of the post set the rubber stop using the same reference point as used for the endodontic procedure (ex. MB cusp, DB cusp).
5. Proceed to obturate the root canal system.
6. Remove the required amount of gutta percha to accommodate the post, using a heated plugger. Remove the gutta percha 1-2 mm at a time; re-heating the plugger after each pass. It should take 3-5 passes depending on the length of the canal. As an alternative a powered heat source may be used.

⚠ ***Note:*** *It is recommended to remove any residual eugenol (as the result of an endodontic sealer) with an etching agent, followed by a thorough rinsing and drying of the canal space. Clean the post with alcohol and let dry.*

7. Prior to cementation, remove any obturation debris (gutta percha tags/sealer) which remain on the canal walls, by using the finishing instrument provided (Brasseler USA's 196DU.21.050) in a slow speed handpiece (250 RPM) or manually with the EndoSequence® Hand Driver™. This will ensure optimal bonding to the post and canal wall. The canal shape should not be altered.

⚠ ***Note:*** *If using the EndoSequence® Hand Driver™ firmly press the latch end of the bur into the plastic cavity (listen for a click) to ensure that you are able to use the bur in an up and down and twisting motion to clean the canal of any residual gutta percha and/or sealer.*

II. Cementation

1. Apply your preferred resin bonding system to the canal wall(s), and the coronal cavity wall(s).
2. Coat the post shank(s) and the canal wall(s) with EndoSequence® Core Build-Up Material/Post Cement or any other suitable post cement.
3. Slowly insert the post(s) into the prepared canal(s) allowing air and excess material to vent.

⚠ **Caution:** Cure according to cement directions for use.

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III. Core Build-Up

1. If desired, create a matrix for the core build-up material.
2. Coat the coronal portion of the post(s) and create core with EndoSequence® Core Build-Up Material. Make certain that any space between the between multiple posts and coronal walls are adequately filled with core build-up material.
3. Light cure core material and prepare for crown.

Cleaning and Sterilization Instructions:

The EndoSequence® Post can be cleaned with all the decontamination products typically used at the dental office, and in ultrasonic devices. They are autoclavable and chemiclavable at 135°C for 30 minutes.

⚠ ***Note**: The posts' white color can turn light ivory, but the mechanical properties are not jeopardized by the color change.*

EndoSequence® Post General Selection Guidelines

Last EndoSequence® file used in the canal	EndoSequence Post to be used
.04 EndoSequence® Files	.04 Posts
Tip Size 35 (or smaller)	Sml ESP5004 (yellow)
Tip Size 40-45	Med ESP7004 (red)
Tip Size 50-60	Lrg ESP9004 (blue)
Tip Size 70-80	XL ESP1104 (green)
.06 EndoSequence® Files	.06 Posts
Tip Size 35 (or smaller)	Sml ESP5006 (yellow)
Tip Size 40	Med ESP7006 (red)
Tip Size 45 (or larger)	Lrg ESP9006 (blue)
Excessively Large Canal	XL ESP1006 (green)

⚠ **Note - The above guidelines are based on leaving a 5mm gutta percha plug.**

Glossary of Symbols

Symbol	Meaning	Standard
REF	**Catalogue Number**	**ISO 15223-1**
	Use-by date	**ISO 15223-1**
LOT	**Batch Code**	**ISO 15223-1**
QTY	**Quantity**	**N/A**
	Consult instructions for use	**ISO 15223-1**
	Caution	**ISO 15223-1**
NON STERILE	**Non-sterile**	**ISO 15223-1**
Rx Only	**Caution: Federal law restricts this device to sale by or on the order of a "dentist/physician" licensed by the law of the State in which he/she practices to use or order the use of the device.**	**FDA 21 CFR Part 801.109 (b)(1)**
	Manufacturer/Legal Manufacturer	**ISO 15223-1**

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