SB Post

Pre-Sandblasted Dental Post System

SB Post Instructions For Use
SB Posts are stainless steel dental posts used in building-up endodontically treated teeth that have partially or completely missing crowns. SB Post is a complete system for treating teeth compromised through endodontic treatment and coronal fracture. SB Posts have unique features offering clinical advantages not found in other post systems. In addition to retention by longitudinal and horizontal grooves, all SB Posts have sandblasted surfaces to provide maximum adhesion between the metal post and cementing resin. The strong durable core provided by the adhesion of the cement to the post and the special stainless steel used in all SB Post construction provides high corrosion resistance and mechanical strength.

Components of SB Post System

SB Post Kits and Reorder Packages:

SB Post Trial Kit – 36 Posts:
Contains three each of sizes 2SS, 2S, 3SS, 3S, 3M, 4SS, 4S, 4M, 4L, 5S, 5M and 5L.

SB Post Full Kit – 60 Posts:
Contains three each of all sizes.

SB Post Reorder Package – 10 Posts:
Contains ten SB Posts of one size.

SB Post Sizes (20 sizes are available):

<table>
<thead>
<tr>
<th>LENGTH</th>
<th>DIAMETER</th>
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<th>#3</th>
<th>#4</th>
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<th>#6</th>
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</thead>
<tbody>
<tr>
<td>SS (8.0 mm)</td>
<td>.84 mm</td>
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<tr>
<td>S (10.0 mm)</td>
<td>1.04 mm</td>
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<td>M (12.0 mm)</td>
<td>1.24 mm</td>
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<td>L (14.0 mm)</td>
<td>1.44 mm</td>
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<td>LL (16.5 mm)</td>
<td>1.64 mm</td>
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<td>EL (18.0 mm)</td>
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Features of SB Post

1. Easy placement: Peeso reamers should be used to prepare the canal prior to SB Post cementation. SB Posts have been designed to have a diameter slightly smaller than that of the post hole made by a Peeso reamer of the same SB Post number. This provides for easy cementation of the SB Post into the root canal and eliminates the need to thread the canal walls.

2. Smooth displacement of excess cement: When the SB Post is inserted into the root canal, excess cement is smoothly displaced along the longitudinal grooves in the SB Post’s surfaces. This minimizes undesirable floating action of the post as well as the danger of root fracture due to hydraulic pressure.

3. Root canal shape: Considering root shape, the apical configuration of SB Post has been tapered to minimize stress of the root apex.

Stronger Retention of Built-Up Cores

1. Surface prepared for adhesion: SB Posts offer a sandblasted surface to allow the cement of choice to develop maximum adhesion. The surface irregularities produced by sandblasting provide a stronger core by closely uniting all of the adhesive elements.

2. Superb mechanical retention: With its lateral and longitudinal grooves, SB Posts provide superb mechanical retention in both vertical and rotational directions.

3. Excellent adaptability with post hole: SB Posts have been designed to have a diameter slightly smaller than that of the post hole made by a Peeso reamer of the same SB post number. In addition, their cylindrical configuration, without any taper except in the apical portion, provides a close adaptation between the SB Post and the root canal wall.

4. Exceptional strength: SB Posts are made with a special high strength stainless steel with lateral grooves made extremely shallow. This combination maximizes the strength of the stainless steel.
Easy Handling

1. **A variety of diameters and lengths:** SB Posts are available in 20 sizes. There is seldom a need to adjust the post length to correspond to the root canal diameter and length.

2. **Easy seating of multiple posts:** The SB Post head is made as small as possible in relation to the shank diameter. This facilitates easy access during the cementation of multiple posts into multiple root canals in posterior teeth, or in those cases where the pulp chamber is constricted due to remaining tooth structure.

Clinical Procedures

1. **Endodontic treatment:** Endodontic treatment is carried out in the usual manner. A non-eugenol sealer is preferred.

2. **Preparation of root canal:** The endodontic filling material is removed from the root canal with Peeso reamers starting with the reamer of the smallest diameter. The root canal is cleaned to the same length as that of the clinical crown or 2/3 of the root length.

3. **Choice of SB Posts:** Choose SB Posts of suitable diameter and length based on the size determined by the Peeso reamer. Use lock-type tweezers for handling SB Posts.

4. **Fitting of SB Posts:** Fit the selected SB Posts into the prepared root canals and adjust their length if needed. While holding the post, cut away excess post length from the apex with a finishing disc or cutting pliers.

5. **Cementation of posts:** Seating of Post – SB Post should be cemented into the prepared canal with the cement of choice. Excess cement should be applied to the exposed post and coronal tooth structure.

6. **Build-up:** After the post is cemented, the tooth can be built-up with a material of choice at the clinician's discretion.

Handling of SB Posts

SB Posts are pre-sandblasted for better adhesion. Care should be taken not to touch the surface with bare hands. Use lock-type tweezers for fitting and seating of SB Posts and for length adjustment. The SB Post container can be replenished with additional posts as required. **CAUTION: SB Posts are NOT sterile.**

**CAUTION: FEDERAL (USA) LAW RESTRICTS THIS DEVICE TO SALE BY OR ON THE ORDER OF A LICENSED DENTIST.**

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