Unique.
Patented.
Tapered.
Customizable.
Fiber-reinforced composite posts exhibit a Young’s modulus of elasticity (rigidity) similar to that of dentin. PeerlessPosts* provide retention for the core/crown complex without creating zones of tension or shear in the dentin or cement interfaces, therefore decreasing the risk of root fracture.

STRESS MANAGEMENT – IMPERATIVE FOR LONG-TERM PROGNOSIS

The closer the post, cement and restorative materials behave to dentin, the less force is concentrated among the components in function (Ref. #1). PeerlessPosts absorb and dissipate stress, emulating the natural, unaltered tooth and providing a better long-term prognosis (Ref. #2).

RELIABLE RETENTION IS THE GOAL

PeerlessPost, with its unique “keystone” links, has proven to be more retentive than other popular fiber posts (Ref. #3). In-vitro studies have demonstrated that bonded fiber posts are at least as retentive as passive metal posts (Ref. #4 – 6).

*Patent Pending
FOUR POSTS = SIXTY-FOUR OPTIONS

Each post has three 1 mm apical segments and four 1 mm coronal “keystone” segments that can be trimmed to custom fit each tooth for maximum contact and dentin conservation.* With four PeerlessPost sizes available – each providing 16 options – you can choose among 64 different configuration possibilities.

FIBER POSTS

PeerlessPosts are radiopaque for easy distinction from tooth structure, gutta percha, metals, and other filling materials and restoratives. PeerlessPosts are more radiopaque than some popular fiber posts.

TAPERED POSTS – ONE STEP FIT

The K3 .04 and .06 files create an ideal canal shape ready to accept the PeerlessPost without additional prep work. Matching drills are available for canals not shaped to .04 or .06 taper.

*Recent studies indicate that a properly bonded fiber post depth need not exceed one half to two thirds of the root length (Ref. #7) or the length of the crown. Furthermore, the best micro-mechanical attachment to dentin is achieved in the coronal 10 mm of the post space (Ref. #8).
**PLACEMENT TECHNIQUE**

This technique guide shows basic steps. Read **Directions for Use** before using.

1. **Isolate and prepare tooth** (remove gutta percha if necessary).

2. **Select proper size post and verify with a try-in**.

3. **Adjust to fit** by removing 1 mm increments from either/both ends with a diamond bur or disc. NEVER use pliers or cutters.

4. **Etch the post space and remaining involved tooth structure**. Rinse. Remove excess water.

5. **Apply adhesive bonding agent**. Remove excess. Air-dry to evaporate solvent.

6. **Mix dual-cure resin cement**. Apply cement on post. Place post.

7. **Light-cure to stabilize post**.

8. **Place core composite material**. Trim core for final restoration/prosthesis.

*Photographs courtesy of Dr. Enrique Kogan*

**REMOVAL TECHNIQUE**

Fiber posts are removable in minutes (Ref. #9 – 11).

For best results use loupes or microscope.

1. **Gain access to the coronal end of the post**.

2. **Create a pilot hole** (1 mm deep) in the center of the post using a small round bur.

3. **Follow the long axis of the post with an LA Axxess #1 bur or a #2 or #3 Peezo Reamer**. Use a pecking motion at 800 – 2000 rpm under water spray.

4. **After reaching the apical end of the post, remaining post structure can be removed with the same pecking technique using that size PeerlessPost drill**.

*Use according to manufacturer’s instructions.*
REFERENCES: