

Flexi-Post®



Flexi-Post® is the patented, split-shank, parallel sided threaded post. Through the incorporation of the split shank, the stresses of insertion are absorbed by the post (not the root) during placement. Flexi-Post predictably provides maximum retention with minimal stress.

FEATURES

Patented split-shank design makes the post a graduated tap.

Second tier on Flexi-Post.

Parallel sided sharp threads.

Entire length of shank is vented.

Highly retentive head.

Internal and external wrench.

Technique adaptable to other Essential Dental Systems' post products.

BENEFITS

Closes upon insertion to deliver maximum retention with minimal insertional stress - virtually eliminating the major cause of root fracture. Distributes functional stresses evenly around the embedded threads. Vertical blades remove all dental debris, enhancing ease of placement.¹⁻⁵

Increases the intimacy of fit between the post and the natural point at which the canal widens, thereby increasing the stability of the post by preventing the breakdown of cement, greatly enhancing long term retention.

Cut into dentin rather than pushing it away. Maximize retention without contributing to the production of tensile stresses.⁶⁻¹¹

Releases internal hydrostatic pressure upon cementation.

The head is highly compatible with Ti-Core® and Ti-Core® Natural. The vertical and horizontal grooves securely anchor the core material.

Larger handle for greater control. Better fit within the cross slot on post head. Easier handling and placement.

Predictable method of post placement for every clinical situation.*



Minimal Stress, Maximum Retention.

Flexi-Post introductory kits come complete with all necessary reamers, drills, wrenches and a special depth gauge to ensure the correct size post is used in any given clinical situation (Flexi-Post is available in five sizes: 00, 0, 1, 2, and 3, in medical grade stainless steel or titanium alloy).

"The sharp threads and split-shank of the Flexi-Post allowed for easier insertion and presented no stress to the root!"

"Of all the Post Systems I have tried, I experienced the best success with the Flexi-Post"

"Using the Flexi-Post for 15+ years and have had great results in my practice"

*See Essential Dental Systems' Flexi-Flange® & Flexi-Overdenture® Attachment product profiles.
1 Filiz K, Erdal S. "Retentive Properties Of Three Post Core Systems." Australian Dental Journal. 1994;39(1):20-24. 2 Greenfield RS, Royhouse RH, Marshall FJ, Schoner, B. "A comparison of Two Post Systems Under Applied Compressive Shear Loads." J Prosthet Dent 1989;61:17-24. 3 Ross RS, Nicholls JJ, Harrington GW. "A Comparison of Strains Generated during Placement of Five Endodontic Posts." J Endodont 1991;17:450-456. 4 Millstein Ft, Yu H, Hsu CS, Neithanson D. "Effects of Cementing on Retention of a Prefabricated Screw Post." J Prosthet Dent 1987;57:171-174. 5 Cohen BI, Condos S, Musikant BL, Deutsch AS. "Pilot study comparing the photoelastic stress distribution for four endodontic post systems." J Oral Rehabil 1996;23:679-685. 6 Brown JD, Michem JC. "Retentive Properties of Dowel Post System." Operative Dent 1987;12:15-19. 7 Boyarsky, H, Davis, R. "Root Fracture with Dentin-Retained Posts." American J Dent 1992;5:1-14. 8 Cohen BI, Pagnillo WK, Newman I, Musikant L, Deutsch AS. "Pilot study of the cyclic fatigue characteristics of five endodontic posts with four core materials." J Oral Rehabil 2000;27:83-92. 9 Burns RD, Douglas MS, Moon PC. "Comparison of the Retention of Endodontic Posts After Preparation with EDTA." J Prosthet Dent 1993;69:262-6. 10 Cohen BI, Volovich Y, Musikant BL, Deutsch AS. "Comparison of the Photoelastic stress properties for different post-core combinations." Oral Health 2001;91(10):65-72. 11 Cohen BI, Condos S, Musikant BL, Deutsch AS. "Retentive Properties Of Threaded Split-shaft Posts With Titanium Reinforced Composite Cement." J Prosthet Dent 1992;68:910-2. 12 Cohen BI, Condos S, Musikant BL, Deutsch AS. "Retention Properties Of A Split-shaft Threaded Post: Cut At Different Apical Lengths." J Prosthet Dent 1992;68:894-8.
† For more information, ask for Essential Dental Systems' Flexi-Post Sterilization Box Product Profile, US Patent Nos. 4,480,997, 4,490,116, and Re. 31,948 and Foreign Patents.

Flexi-Post

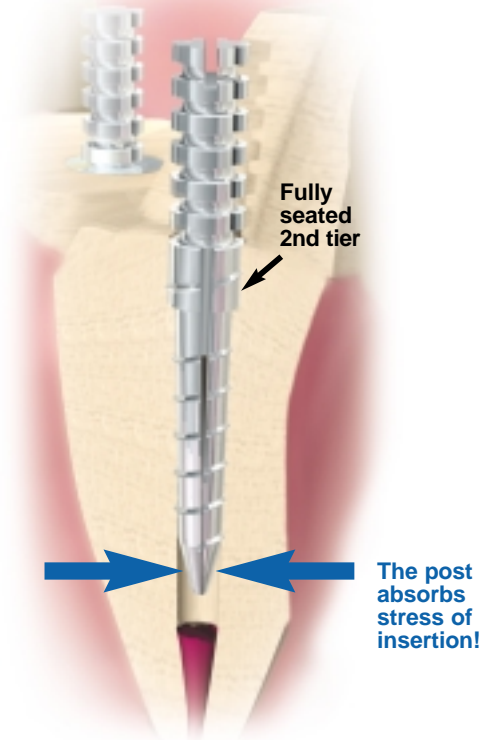
The standard for maximum retention with minimal stress.¹⁻¹¹

The Flexi-Posts' unique split-shank design, absorbs and reduces the stresses of insertion, thereby eliminating the potential of vertical root fracture: safely, predictably, and repeatedly. Using the Flexi-Post, the average practitioner can complete the post and core restoration, on a single rooted tooth, in 15 minutes. In addition, Flexi-Post can be used in place of a cast post, eliminating the expense of laboratory procedures and extra chair time for fittings.

The Flexi-Posts' unique split-shank design absorbs stress of insertion by gradually closing under pressure.¹⁻⁵ The post conforms and adapts to the root rather than the root adapting to the post.

Post Retention with Various Cements

In independent studies, "the Flexi-Post System displayed twice the retention of the other systems evaluated." Flexi-Post offers retention comparable to natural dentin with minimal insertional and functional stress.⁶⁻¹²



TECHNICAL FACTS:

- Made of medical grade stainless steel or titanium alloy.
- More than 200,000 pounds per square inch crushing strength (250,000 pounds per square inch in titanium).

Post Number	00	0	1	2	3
Color Code.....	White	Yellow	Red	Blue	Green
Length of Head.....	3.5mm	3.5mm	4.5mm	5.5mm	6.5mm
Length of Shaft.....	7.0mm	8.0mm	10.0mm	11.0mm	13.5mm
Diameter of Shaft without Threads.....	0.75mm	0.79mm	1.0mm	1.25mm	1.50mm
Diameter of Shaft with Threads.....	0.95mm	1.07mm	1.40mm	1.65mm	1.90mm
Diameter of Primary Reamer.....	0.78mm	0.90mm	1.20mm	1.45mm	1.70mm
Length of Primary Reamer.....	8.0mm	9.0mm	11.0mm	12.0mm	14.5mm
Second Tier.....	No	Yes	Yes	Yes	Yes

ORDERING INFORMATION:

	Stainless Steel	Titanium		Stainless Steel	Titanium
Flexi-Post Assorted Kit (Sizes 0, 1, 2) 12 posts (4 posts each of 3 sizes and Accessories)	Cat. No. 110-00	115-00	Flexi-Post Economy Refills (30 posts of one size, reamer & drill)		
Flexi-Post Assorted Kit (Sizes 1,2,3) 12 posts (4 posts each of 3 sizes and accessories)	Cat. No. 110-01	115-01	Size 00	Cat. No. 140-00	145-00
Flexi-Post Standard Kits (10 posts of one size and accessories)			Size 0	Cat. No. 140-0	145-0
Size 00	Cat. No. 120-00	125-00	Size 1	Cat. No. 140-01	145-01
Size 0	Cat. No. 120-0	125-0	Size 2	Cat. No. 140-02	145-02
Size 1	Cat. No. 120-01	125-01	Size 3	Cat. No. 140-03	145-03
Size 2	Cat. No. 120-02	125-02	Flexi-Post Sterilization Box (Complete) 50 posts (10 posts each of 5 sizes and accessories)	Cat. No. 197-01	197-02
Size 3	Cat. No. 120-03	125-03	Flexi-Post Mini Steri Box (Complete) 10 posts (2 posts each of 5 sizes and accessories)	Cat. No. 197-05	197-06
Flexi-Post Refills (10 posts of one size, reamers & drill)			Flexi-Post Combi Sterilization Box 16 posts (12 Flexi-Post: 4 posts each of 3 sizes, 0-1-2 4 Overdenture posts: 2 posts each of 2 sizes, 1-2 and accessories)	Cat. No. 197-07	197-03
Size 00	Cat. No. 130-00	135-00			
Size 0	Cat. No. 130-0	135-0			
Size 1	Cat. No. 130-01	135-01			
Size 2	Cat. No. 130-02	135-02			
Size 3	Cat. No. 130-03	135-03			

All Flexi-Post accessories available separately.

For our complete line of patented dental products please visit our website at: www.edsdental.com