

Flexi-Flange®

Flexi-Flange is a patented prefabricated post designed to reduce the incidence of root and post fractures significantly - especially where there is little or no coronal dentin.

FEATURES

Stabilizing Flange.

Patented split shank design.

Triple-tiered design.

Adaptable technique.

Available in four sizes.

BENEFITS

Protects retention of the post in any tooth with inadequate dentin.

Maximizes dentin-to-metal contact to distribute destabilizing stresses over a large area. Reduces stress concentrations at any one point.^{1,2}

Solidifies the entire restoration for optimum resistance to micromovement and resulting wear.

Closes on insertion to deliver maximum retention with minimal stress.^{1,7}

All three tiers combine to: Distribute functional stresses to the strongest part of the root.^{8,10}

Provide resistance to post loosening and root/post fracture.^{8,10}

Predictable method of post placement for every clinical situation.

Meets all your post needs.



Simple technique. Excellent results.

Flexi-Flange is easy to place. The patented split shank of Flexi-Flange closes during insertion, conforming to the root and minimizing stress. Surgically sharp threads coupled with the second tier and split shank provide maximum retention with no more stress than a passive post.¹⁻⁷

Once you try Flexi-Flange you'll find yourself trusting its strength and stability more and more.

¹ Cohen BI, Musikant BL, Deutsch AS. "Comparison of the Photoelastic Stress for a Split-Shank Threaded Post Versus a Threaded Post." J Prosthodontics 1994;3:53-55. ² Cohen BI, Condos S, Musikant BL, Deutsch AS. "Pilot Study Comparing the Photoelastic Stress Distribution for Four Endodontic Post Systems." J Oral Rehabilitation 1996;23:679-685. ³ Greenfeld RS, Royhouse RH, Marshall FJ, Schoner, B. "A comparison of Two Post Systems Under Applied Compressive Shear Loads". J of Prosth Dent, 1989;61:17-24. ⁴ Ross RS, Nicholls JI, Harrington GW. "A Comparison of Strains Generated during Placement of Five Endodontic Posts". J Endodontics 1991;17:450-456. ⁵ Millstein PL, Yu H, Hsu CS, Nathanson D. "Effects of Cementing on Retention of a Prefabricated Screw Post." J Prosth Dent 1987;57:171-174. ⁶ Brown JD, Mitchem JC. "Retentive Properties of Dowel Post System." Operative Dentistry 1987;12:15-19. ⁷ Cohen BI, Pagnillo M, Condos S, Deutsch AS. "Comparison of the Torsional Forces at Failure for Seven Endodontic Post Systems." J Prosthet Dent 1995;74(4):350-7. ⁸ Cohen, BI, Deutsch, AS, Musikant, BL. "Cyclic Fatigue Testing of Six Endodontic Post Systems." J Prosthodontics. 1993;2:28-32. ⁹ Cohen BI, Pagnillo MK, 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. ¹⁰ Cohen BI, Musikant BL, Deutsch AS. "Clinical usage of the Flexi-Flange post system." Dental News 1995;Vol. II (III):33-36. US Patent Nos. 4,480,997, 4,490,116, and Re. 31,948. Other Foreign Patents Pending.

Flexi-Flange

Once seated, Flexi-Flange stays seated.

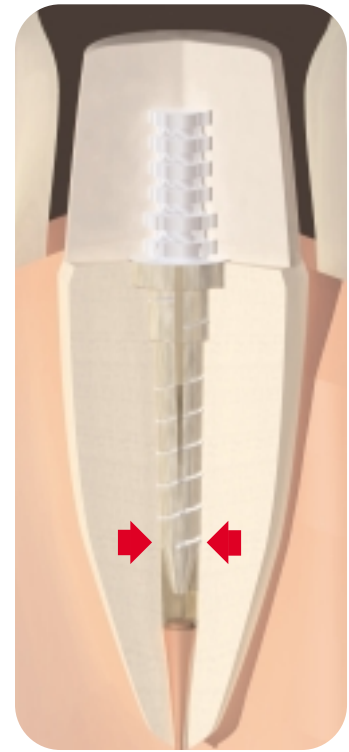
Like the original split shank Flexi-Post, the patented split shank Flexi-Flange adapts to the root by closing during insertion. No other post can offer as much retention with so little stress.¹⁻⁷

Dissipates occlusal forces to eliminate stress fractures.

Flexi-Flange incorporates a scientifically designed and proven flange that countersinks completely into tooth structure for maximum dentin-to-metal contact.

During mastication, the flange maximizes fracture resistance of the root and post by safely dispersing occlusal forces over a broad area.

Combined with the second tier, which adapts to the natural flare of the canal, Flexi-Flange reduces stress concentrations that cause fractures, while post strength and retention are dramatically increased overall.⁵⁻⁹



TECHNICAL FACTS:

Post Number	0	1	2	3
Color Code	YELLOW	RED	BLUE	GREEN
Post:				
Length of Head	4.00mm	5.00mm	6.00mm	7.00mm
Length of Shaft	8.00mm	9.50mm	10.50mm	13.00mm
Length of Primary Reamer	9.50mm	11.00mm	12.00mm	14.50mm
Diameter of:				
Shaft w/o Threads	0.79mm	1.00mm	1.25mm	1.50mm
Shaft With Threads	1.07mm	1.40mm	1.65mm	1.90mm
Primary Reamer	0.90mm	1.20mm	1.45mm	1.70mm
Gates Glidden	0.70 (#2)	1.10mm (#4)	1.30mm (#5)	1.50mm (#6)
Peeso	0.70 (#1)	1.10mm (#3)	1.30mm (#4)	1.50mm (#5)

ORDERING INFORMATION:

Flexi-Flange Introductory Kit (Sizes 0,1,2)	<u>Stainless Steel</u> Cat. No. 410-00	<u>Titanium</u> 415-00
Flexi-Flange Refills (10 posts of one size, reamer & countersink drill)		
Size 0	Cat. No. 430-0	435-0
Size 1	Cat. No. 430-01	435-01
Size 2	Cat. No. 430-02	435-02
Size 3	Cat. No. 430-03	435-03

All Flexi-Flange accessories available separately.

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