

Flexi-Overdenture®



Based upon a patented split shank post, the ball and socket attachment delivers all the benefits of the Flexi-Post for highest retention of full and partial dentures. Provides a simple, inexpensive overdenture at chairside.



The optional EZ-Change patented keeper & cap insert allows for "quick and easy" nylon cap replacement. When worn, the cap insert may be easily removed from the permanent metal keeper, requiring only seconds for replacement.

FEATURES

Patented split shank design.

Flange and second tier.

Attachment can be placed without lab assistance.

Patient-friendly.

Ball and socket attachment.

Standard Nylon Cap.

System allows for the incorporation of the EZ-Change attachment.

Countersink drill/root facer.

Technique adaptable to other Essential Dental Systems' post products.*

BENEFITS

Delivers maximum retention with minimal stress.^{1,7}

Provides greater stability of the post and dissipates forces of occlusion that otherwise fracture the post or root.^{8,9}

Produces quick, easy, economical results completely at chairside.¹⁰

Easy for patient to use: easy to place, easy to clean.

Allows rotation of the denture attachment. No need for parallelism.

Provides 3 to 5 pounds of retention. Easily replaced at low cost with in-office procedure.¹¹⁻¹²

Provides 3 to 5 pounds of retention. The patented metal keeper and nylon cap insert system allows for "quick and easy" nylon cap replacement. When worn, this cap may be easily removed, requiring only seconds for replacement and considerably shortening chair time.¹¹⁻¹²

Allows the dentist to seat the flange deeper into the tooth in cases where occlusal space is limited.

Gives the practitioner the ability to perfect one technique for a variety of clinical situations.



THE ESSENTIAL DIFFERENCES BETWEEN FLEXI-OVERDENTURE AND EVERY OTHER OVERDENTURE

Small Head Of Male Attachment

Limits the amount of material that has to be removed from the denture.

Proximity Of Male Attachment To The Root

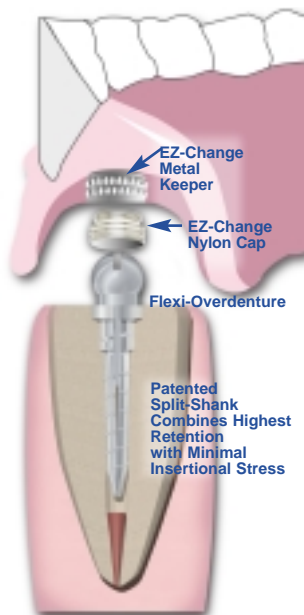
Minimizes stresses under function.

Super Tough Female Attachment

Incorporates easily into the denture or metal keeper for maximum retention. Replaces easily after long wear. Prevents harmful impact when placed over male attachment. Absorbs the stresses of occlusion. Adapts simply into the denture without lab work.

¹Cohen, B.I., Musikant, B.L., Deutsch, A.S. Comparison of retentive properties of four post systems. J. Prosthet Dent. 1992;68:264-8.
²Fritz, K, Erdal, S. Retentive properties of three post-core systems. Australian Dental Journal 1994;39(1):20-24.
³Cohen, B.I., Musikant, B.L., Deutsch, A.S. Comparison of the photoelastic stress for a split-shank threaded post versus a threaded post. Journal of Prosthodontics 1994;3:53-55.
⁴Greenfield RS, Royhouse RH, Marshall FJ, Schorer, B. "A comparison of Two Post Systems Under Applied Compressive Shear Loads". J. of Prosth. Dent., 1989;61:17-24.
⁵Millstein PL, Yu H, Hsu CS, Nathanson D. "Effects of Cementing on Retention of a Prefabricated Screw Post". J. Prosth. Dent. 1987;57:171-174.
⁶Ross, RS, Nicholls JJ, Harrington, GW. A comparison of strains generated during placement of five endodontic posts. Journal of Endodontics. 1991;17:450-456.
⁷Brown JD, Mitchem JC. "Retentive Properties of Dowel Post System." Operative Dentistry, 1987;12:15-19.
⁸Cohen, B.I., Deutsch, A.S., Musikant, B.L. "Cyclic Fatigue Testing of Six Endodontic Post Systems." J. of Prosthodontics. 1993;2:28-32.
⁹Cohen, B.I., Condos, S., Deutsch, A.S., Musikant, B.L. "Cyclic Fatigue of Seven Endodontic Post Systems." J. of Dent. Research. 1993;Abstract #1616:305.
¹⁰Musikant, B.L., Cohen, B.I., Deutsch, A.S. Replacement Insert Makes Denture and Post Connection Easier. Dentistry Today. 1995;14(11):116-117.
¹¹Cohen BI, Musikant BL, Pagnillo M, Condos S, Deutsch AS. Comparative study of two precision overdenture attachment designs. J Prosthet Dent 1996;76(2):145-152.
¹²Leung, T, Preiskel, HW. Retention Profiles of Stud-Type Precision Attachments. International Journal of Prosthodontics. 1991;4:175-179.

Flexi-Overdenture



An overdenture that's supported by the split-shank Flexi-Post delivers maximum retention with minimal stress.¹⁻⁷

The unique split-shank prevents root fracture, and absorbs stress by gradually closing during placement. Insertion is easier and cleaner because the split shank creates vertical blades which sweep debris into the split.

Additionally, you get a better, more secure fit at the area where the canal widens, because the Flexi-Overdenture post has a second tier that widens at the same point. This makes Flexi-Overdenture the most retentive overdenture around.

The Flexi-Overdenture® EZ-Change® attachment is a new patented keeper and cap system that allows for "quick and easy" nylon cap insert replacement, while utilizing the current overdenture post system. A metal keeper is permanently cold cured into the denture to hold a threaded nylon cap insert. When worn, this cap may easily be removed, requiring only seconds for replacement, thereby considerably shortening chair time.¹⁰⁻¹¹

There are no limitations to the Flexi-Overdenture System. In fact, we recommend it for use as an invisible attachment with a partial denture. The Flexi-Post Overdenture Attachment is simply an essential part of every restorative dental practice.

TECHNICAL FACTS:

Flexi-Overdenture Post Dimensions (For Both Stainless Steel and Titanium Alloy Posts):

Post Number	1	2	3
Color Code	Red	Blue	Green
Diameter of Ball	2.5mm	2.5mm	2.5mm
Length of Head	2.70mm	2.70mm	2.70mm
Length of Shaft	9.5mm	10.5mm	13.0mm
Diameter			
Without Threads	1.00mm	1.25mm	1.50mm
With Threads	1.40mm	1.65mm	1.90mm
Diameter of Primary Reamer	1.20mm	1.45mm	1.70mm
Length of Primary Reamer	11.0mm	12.0mm	14.5mm

ORDERING INFORMATION:

Flexi-Overdenture Stainless Steel Introductory Kits:

(12 Overdenture posts - 6 ea. of sizes 1 & 2, 12 nylon attachment caps, 12 rubber bands, 2 primary reamers, 2 countersink drills, 1 wrench, 1 depth gauge and 5 EDS gates glidden drills)*

Cat. No. 210-00

(4 Overdenture posts - 2 ea. of sizes 1 & 2,

4 nylon attachment caps, 4 rubber bands, 2 primary reamers, 2 countersink drills, 1 wrench, 1 depth gauge and 5 EDS gates glidden drills)*

Cat. No. 211-00

Flexi-Overdenture Titanium Intro. Kits:

(4 Overdenture posts - 2 ea. of sizes 1 & 2, 4 nylon attachment caps, 4 rubber bands, 2 primary reamers, 2 secondary drills, 1 wrench, 1 depth gauge, 4 brass transfer studs and 5 EDS gates glidden drills)*

Cat. No. 212-00

(12 Overdenture posts - 6 ea. of sizes 1 & 2, 12 nylon attachment caps, 12 rubber bands, 2 primary reamers, 2 secondary drills, 1 wrench, 1 depth gauge, 12 brass transfer studs and 5 EDS gates glidden drills)* . . .

Cat. No. 215-00

(For Indirect/coping & Direct/non-coping Technique)

(4 Overdenture posts - 2 ea. of sizes 1 & 2, 4 nylon attachment caps, 4 rubber bands,

2 primary reamers, 2 secondary drills - for indirect/coping, 2 countersink drills - for direct/non-coping, 1 wrench, 1 depth gauge, 4 brass transfer studs and 5 EDS gates glidden drills)*

Cat. No. 212-01

(12 Overdenture posts - 6 ea. of sizes 1 & 2, 12 nylon attachment caps, 12 rubber bands, 2 primary reamers, 2 secondary drills - for indirect/coping, 2 countersink drills - for direct/non-coping, 1 wrench, 1 depth gauge, 12 brass transfer studs and 5 EDS gates glidden drills)*

Cat. No. 215-01

Flexi-Overdenture Stainless Steel Refills:

(6 OVD posts, 6 attach. caps, 6 rubber bands, 1 primary reamer and 1 countersink drill)*

Size 1 **Cat. No. 230-01**

Size 2 **Cat. No. 230-02**

Size 3 **Cat. No. 230-03**

Flexi-Overdenture Titanium Refills:

(6 OVD posts, 6 attach. caps, 6 rubber bands, 1 primary reamer, 1 secondary drill and 6 brass trans. studs)*

Size 1 **Cat. No. 235-01**

Size 2 **Cat. No. 235-02**

Size 3 **Cat. No. 235-03**

(For Indirect/coping & Direct/non-coping Technique)

(6 OVD posts, 6 attach. caps, 6 rubber bands,

1 primary reamer and 1 countersink drill-direct/non-coping)*

Size 1 **Cat. No. 236-01**

Size 2 **Cat. No. 236-02**

Size 3 **Cat. No. 236-03**

Flexi-Overdenture Accessories:

(6 nylon female attachment caps)

Cat. No. 290-01

(OVD wrench)

Cat. No. 290-02

(stainless steel depth gauge)

Cat. No. 290-06

(titanium depth gauge)

Cat. No. 290-07

(OVD countersink drill for second tier & flange preparation of titanium posts)

Size 1 **Cat. No. 292-01**

Size 2 **Cat. No. 292-02**

Size 3 **Cat. No. 292-03**

(6 transfer studs for titanium Overdenture posts)

Size 1 **Cat. No. 293-01**

Size 2 **Cat. No. 293-02**

Size 3 **Cat. No. 293-03**

Flexi-Overdenture EZ-Change Accessories:

(2 keepers, 2 cap inserts, 2 rubber bands & EZ-Change® wrench)*

Cat. No. 250-00

(2 keepers, 2 cap inserts & 2 rubber bands)*

Cat. No. 250-01

(6 nylon replacement cap inserts)

Cat. No. 250-02

(EZ-Change wrench)

Cat. No. 250-03

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