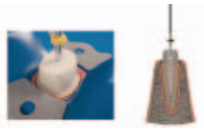
Comparison of Hi-Rem Post vs conventional posts

	Hi-Rem Post	Conventional Posts
Post properties		
Soft cored to allow for easy removal whenever desired	yes	no
Immediately identifiable as an “Hi-Rem Post”	yes	no
Removal procedure		
Very easy detection of the post centre	yes	no
No need of radiographs during removal procedure	yes	no
Trouble-free and fast operative procedure	yes	no
Easy-to-perform removal technique	yes	no
Preservation of tooth tissues	yes	no
No risk of creating perforations	yes	no
No risk of canal enlargement	yes	no
Predictable result	yes	no
Removal technique performed using standard burs	yes	no
No x-rays to the patient	yes	no
Complete and safe post and cement removal	yes	no

Clinical comparison

Hi-Rem Post	Conventional Posts
	
With Hi-Rem Post, during the removal, the Dentist can clearly feel that the instrument is guided through the post by the macro-fiber, thereby assuring a sense of certainty that it is never felt during the removal of a conventional post.	*Using conventional posts the results demonstrate that only a partial removal of the post can be undertaken, and that serious damage to the roots occur, such as enlargement of the canal, weakening of the root, and at times, root perforation.*

Hi-Rem Post is available in three different shapes

Hi-Rem Polygon Post > *oval section* > *For teeth with non-circular and oval canals*

SKRPYOP ***Hi-Rem Polygon Post*** **Starter Kit** **9 Posts** (3 for each size 1-2-3) + **3 Drills** (1 for each size 1-2-3)

CODE	Refill	Maxi/Min Coronal Ø	Point Ø	Length	Refill Pack
RPYOP01	***Hi-Rem Polygon Post # 1***	2.00/1.20	0.80	19	10 posts
RPYOP02	***Hi-Rem Polygon Post # 2***	2.20/1.40	1.10	19	10 posts
RPYOP03	***Hi-Rem Polygon Post # 3***	2.50/1.60	1.20	19	10 posts

CODE	Refill	Refill Pack
PYD01	***Polygon Drill***	1 drill
PYD02	***Polygon Drill***	1 drill
PYD03	***Polygon Drill***	1 drill

Hi-Rem Prosthetic Post > *conical-cylindrical shape* > *For teeth with no residual or little coronal tissue*

NEW

SKRPOP ***Hi-Rem Prosthetic Post*** **Starter Kit** **9 Posts** (3 for each size 0-1-2) + **3 Drills** (1 for each size 0-1-2)

CODE	Refill	Maximum Ø	Point Ø	Conicity%	Length	Refill Pack
RPOP100	***Hi-Rem Prosthetic Post # 0***	1.20	0.70	0.04	19	10 posts
RPOP101	***Hi-Rem Prosthetic Post # 1***	1.40	0.80	0.05	19	10 posts
RPOP102	***Hi-Rem Prosthetic Post # 2***	1.60	0.80	0.06	19	10 posts
RPOP103	***Hi-Rem Prosthetic Post # 3***	1.80	0.90	0.08	19	10 posts

CODE	Refill	Refill Pack
PD100	***Prosthetic Drill***	1 drill
PD101	***Prosthetic Drill***	1 drill
PD102	***Prosthetic Drill***	1 drill
PD103	***Prosthetic Drill***	1 drill

Hi-Rem Endodontic Post > *double conical shape* > *For teeth with moderate quantities of residual coronal tissue*

SKREOP ***Hi-Rem Endodontic Post*** **Starter Kit** **9 Posts** (3 for each size 1-2-3) + **3 Drills** (1 for each size 1-2-3)

CODE	Refill	Maximum Ø	Point Ø	Length	Refill Pack
REOP201	***Hi-Rem Endodontic Post # 1***	1.60	0.72	19	10 posts
REOP202	***Hi-Rem Endodontic Post # 2***	1.80	0.88	19	10 posts
REOP203	***Hi-Rem Endodontic Post # 3***	2.00	1.04	19	10 posts

CODE	Refill	Refill Pack
HED201	***H-Endodontic Drill***	1 drill
HED202	***H-Endodontic Drill***	1 drill
HED203	***H-Endodontic Drill***	1 drill

Hi-Rem Prosthetic Post Range

Hi-Rem Polygon Post Starter Kit
Hi-Rem Prosthetic Post Starter Kit
Hi-Rem Endodontic Post Starter Kit

Hi-Rem Polygon Post Refill
Hi-Rem Prosthetic Post Refill
Hi-Rem Endodontic Post Refill

Polygon Drill
Prosthetic Drill
H-Endodontic Drill

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CE 0476

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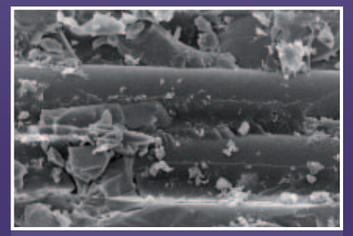
Hi-Rem Post

*The Only **Easy Removal Fiber Post***

Hi-Rem Post, the Overfibers’ patented fiber post, it is the only one that has the great advantage to be easily removable when it is necessary

Hi-Rem Endodontic Post *Hi-Rem Prosthetic Post* *Hi-Rem Polygon Post*

The central longitudinal axis of Hi-Rem Post is made of blue colored soft polymer macro-fiber, placing in this position doesn’t affect the resistance of the post (neutral axis).



The surface of Hi-Rem Post is extremely rough and retentive in order to maximize the adhesion of the cement. 1000 X

Hi-Rem Post is translucent to accelerate the activation of dual curing cements

Hi-Rem Post is available in three shapes, which have been designed for all clinical requirements

The radiopacity of Hi-Rem Post makes them easily distingush-able from the cement

Today, worldwide dentists prefer translucent and radiopaque fiber posts, which have a notable aesthetic advantage, but they are very difficult to detect inside the tooth when their removal is necessary.

Hi-Rem Post

***The first** Easy Removal Fiber Post*

In order to make the removal of the post as simple as possible to simplify the daily practice of the dentistry, Overfibers, a company devoted to technological innovation, is pleased to present a Worldwide novelty, Hi-Rem Post, an internationally Patented post.

Created with the very sophisticated Overfibers' "know-how", the main characteristic of the new Hi-Rem Post is that the central longitudinal axis of the post is made of blue colored soft polymer macro-fiber.

Hi-Rem Post
Features and Advantages


Hi-Rem Endodontic Post section


Hi-Rem Prosthetic Post section

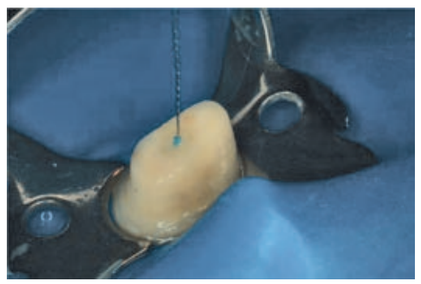

Hi-Rem Polygon Post section

Highly retentive surface	>	***increases the post / cement* adhesion***
"S" type glass fibers	>	***high flexure strength 1650 MPa***
Balanced flexure E-modulus	>	***60 GPa to better stabilize the restoration***
Three shapes	>	***for all clinical requirements***
Translucent	>	***to accelerate the activation of dual cements***
Radiopacity	>	***to be clearly distinguishable from the cement***
Easy to remove	>	***safely with absolute certainty and without tooth damages*****

**** Fiber post bonding using self-etching and resin cements***
S. PALLOTTINI, A. LLUKACEJ, C. MONACO, and P. BALDISSARA, University of Bologna - Italy IADR – Barcelona,2010 abst. 4493

***** Tissue loss during post removal a new post concept evaluation*** *P. BALDISSARA[1], L.F. VALANDRO[2], S. BETTAZZONI[1], and R. SCOTTI1, 1University of Bologna - Italy, [2]Federal University of Santa Maria - Brazil IADR – Barcelona,2010 abst. 772*

It has never been easier to remove a fiber post!

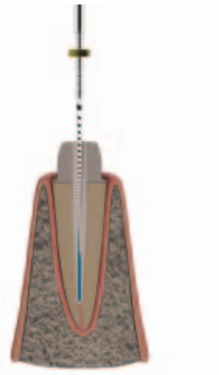

the central longitudinal axis of the post is made of blue colored soft polymer macro-fiber.

I use Hi-Rem Post with my patients as I prefer to work with absolute certainty.

Clinical Sequence by video http://overfibers.com/video.php *"Removal of Hi-Rem Prosthetic Post"*

In only 2 predictable steps, the Dentist removes Hi-Rem Post easily and completely

First step.
Gutta-percha is safely reached in 30" !



Using a medium-high speed, a nickel-titanium drill of 0.3 mm is able to penetrate the blue macro-fiber. Since the macro-fiber is very soft, the instrument is guided towards the post tip by the hard walls of the post, without ever deviating from the central axis as occurs with normal posts. Gutta-percha can be safely reached in less than 30seconds.

Second step.
The dentist clears out the interior of the Hi-Rem Post in 90" !

With a Gates-Glidden drill or a Largo/Peeso reamer, the dentist clears out the interior of the Hi-Rem Post, the drill final size depends on the needs of the clinical case.

It has never been easier and faster to remove a fiber post!

At this point, the removal of the post from the canal space can be said to be finished; rapidly, safely, and without sacrificing healthy dental tissue. When the pathological problem is solved, a new dental reconstruction can be undertaken, with the certainty only what was necessary has been removed in order to insert a new Post, a Hi-Rem Post, naturally!

Fiber Post Removal: Comparative Study Using a New Post Concept *P. BALDISSARA[1], D. MELILLI[2], L. CIOCCA[1], and L.F. VALANDRO[3], [1]University of Bologna - Bologna Italy, [2]University of Palermo - Palermo Italy, [3]Federal University of Santa Maria - Santa Maria Brazil IADR – Miami,2009 abst. 183*