

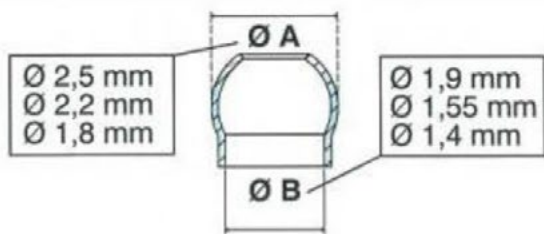


## Mini-Implant Reconstruction (Retrofit) Case

### Post Attachment Retrofit

The concave sphere reconstruction kit is ideal for restoring post attachments or mini-implant cases where the stud/attachment has significant wear and it is not possible to provide the patient with sufficient retention.

The concept of the Retrofit is to bond a TiN coated ball over the existing post and retrofit the removable prosthesis to restore function.



There are three sizes of retrofit spheres. "A" is the outer diameter of the new sphere.

"B" is the internal diameter of the new sphere. The internal diameter is necessary to fit the retrofit ball as closely as possible to the existing stud.

For example, a worn 1.8mm mini-implant ball is often easy to prep down to receive a 1.8mm outer ball (1.4mm internal). Trying to fit a 2.5mm outer ball (with 1.9mm internal diameter) on to a worn 1.8mm ball would have to thick of a cement gap and therefore would not work. The retro ball would pull off the existing stud.

Patient presents with worn post attachment. Due to excessive wear, it is not possible to provide sufficient retention with "tighter" female attachments.



The appropriate size Hollow Sphere is chosen and tried on to the worn attachment post. The post is prepped to receive the new sphere. The area is kept dry and clean.

Ceka Site-or like kind metal to metal bonding composite-is used to bond the new hollow balls in place. Once the Ceka Site has fully set, the overdenture is retrofitted to receive the new nylon female and housing.



Patient presents with worn and broken mini implants. Due to excessive wear, it is not possible to provide sufficient retention with "tighter" female attachments.



The broken/worn mini implants are prepped, the area is kept dry and clean, and Ceka Site is used to bond the new Hollow spheres onto the old worn mini-implants. An oxygen-inhibitor is used to expedite processing of the anerobic Ceka Site.



The overdenture is retrofitted with the appropriate housings and female attachments.



For more information, contact Preat at 1-800-232-7732 or visit [preat.com](http://preat.com)