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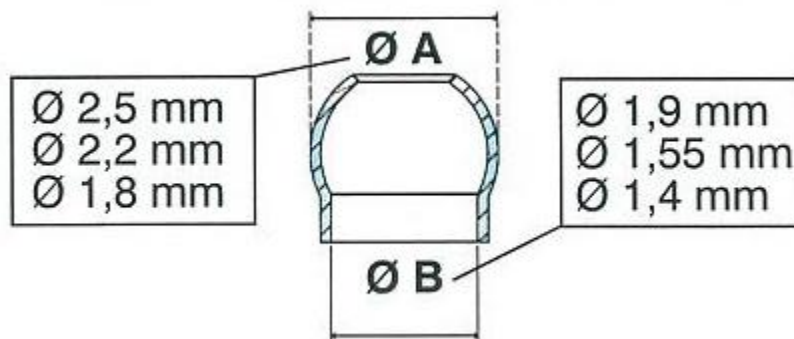
# Sphere Reconstruction Kit

1.8, 2.2, 2.5mm

The Sphere Reconstruction kit is designed to allow for a rebuilding of worn spheres in the mouth to restore long term retention and stability for the patient using concave Titanium spheres. Other uses for this kit include increasing the diameter of a small sphere in the mouth or retrofitting an O-Ring attachment to a ball attachment.

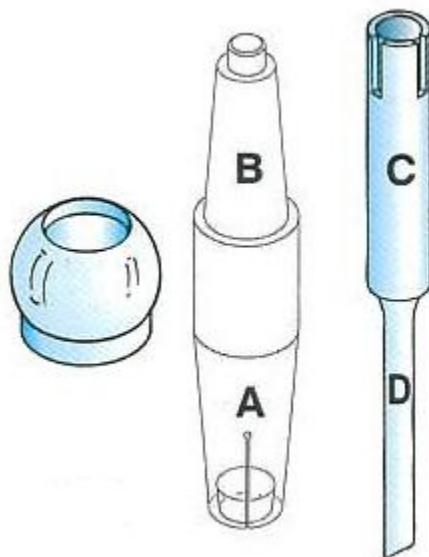
There are 3 different kits:

- 2.5mm Ø
- 2.2mm Ø
- 1.8mm Ø



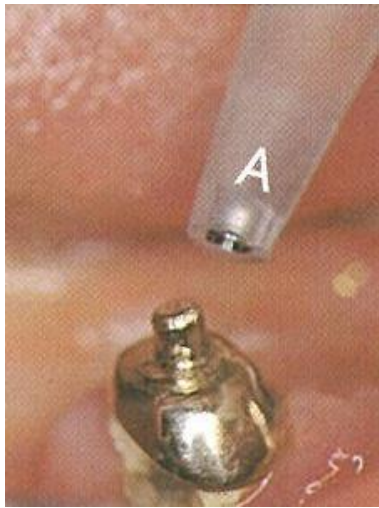
Components in each kit:

- 2 concave titanium spheres
- 2 pink retention caps
- 1 Sphere Holder (B) and Sphere Bearing (A)
- 1 Strip Holder (C) and spatula (D)



**A = SPHERE BEARING**  
**B = SPHERE HOLDER**  
 (Inserted on the larger hole)  
**C = STRIP HOLDER**  
**D = SPATULA FOR INSERTING THE CEMENT INSIDE THE SPHERE**

Place the concave sphere in to the Sphere Holder (**FIG 1**) and try it on to the existing sphere in the mouth. If it does not fit, the existing ball must be reduced using a bur (**FIG 2**), or by placing a strip into the Strip Holder (**FIG 3**) and spin it manually.



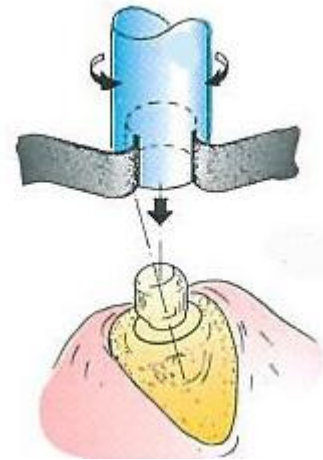
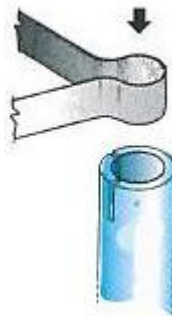
**Fig1**



**Fig 2**



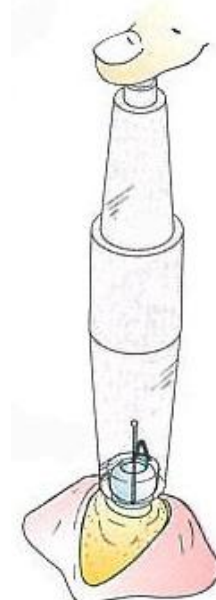
**Fig 3**



Once the necessary size is achieved, try the concave sphere on to the sphere in the mouth. Make sure the existing abutment sphere in the mouth is rough for better cementation. "De-grease" all parts prior to cementation. Mix a fresh one-to-one ration of Ceka Site, or other metal to metal bonding composite. With the concave sphere in the Sphere Holder, apply cement to the inside of the sphere using the Strip Holder as a spatula. Insert the concave sphere on to the existing sphere in the mouth, firmly holding the Sphere Holder in place (**FIG 4-6**).



**Fig 4**



**Fig 5**



**Fig 6**



Once the cement has set, and the spheres are firmly affixed in the mouth, snap on the pink retention caps. Block out all undercuts, cut a lingual escape vent in the prosthesis, and set the previously relieved prosthesis passively. A metal housing may be incorporated at this time as well.