

SINGLE SPHERES OT CAP



STAINLESS STEEL AND TITANIUM HOUSINGS
Normal / Micro size for curing welding or bonding



SINGLE SPHERES
TITANIUM + TIN
1600 Vickers Hard
FOR WELDING
OR BONDING

CASTABLE
SINGLE
SPHERES



NORMAL
Green
Ø 2.5 mm

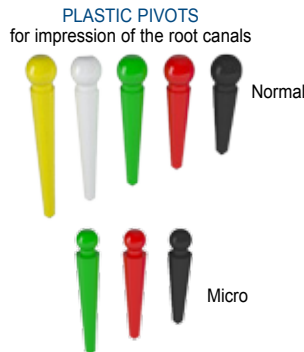
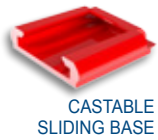
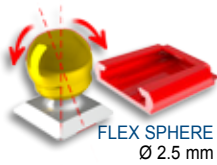


MICRO
Red
Ø 1.8 mm

ELASTIC RETENTIVE CAPS
Normal / Micro



Undersized caps for worn or damaged spheres are also available. They are also compatible with 1.7mm and 2.2mm spheres. See parts list for item codes and descriptions.



CLINIC



TRANSFER IMPRESSION TECHNIQUE



Put the impression coping on the sphere in the patient's mouth. Different levels of retention are available depending on the color of the cap used.

Impression coping in position, the external profile ensures a stable position in the impression.



Insert analogs into the impression copings and pour the model.



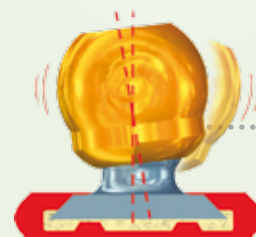
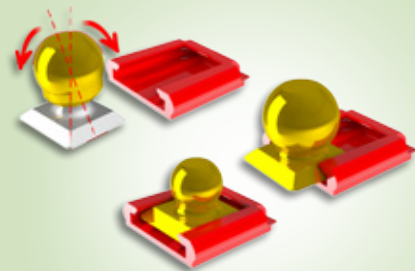
Stone model with analogs in place.

LABORATORY



ATTENTION:

These attachments can be cast with all types of alloys, but it is important to use a metal with a high Vickers hardness in order to avoid the risk of wearing the spheres.



NEW
DESIGN

EASY FIT

The design of the sphere with a FLAT head in addition to the spherical inner surface of the elastic cap, permits vertical movement during mastication. Rhein83 female caps are manufactured out of a special nylon material that remains stable and continues to function in the oral cavity over long periods of time.

Clinical data is available showing that stability is obtained with a minimal amount of trauma.

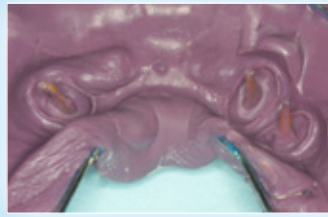
IMPRESSION OF ROOT CANALS



Prepare the roots.



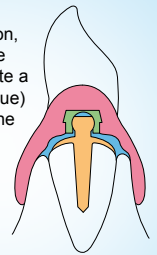
Apply adhesive to the post.



Impression with elastomer.

ATTENTION:

To obtain proper function, it is important to mill the resin with a bur to create a space (highlighted in blue) between the root and the prosthesis.



OT CAP - EMBODING STAINLESS STEEL HOUSING TO DENTURE



Protective discs on the cast metal spheres.



Fill the space corresponding to the housings with self-curing resin. Insert the prosthesis into the final position.



Once the resin has cured, remove the disc and trim the excess material around the housing.



Finished prosthesis.

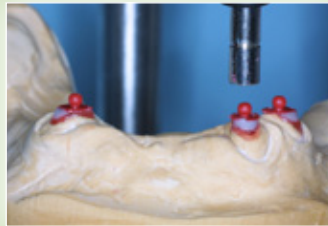
OT CAP - CASTABLE SINGLE SPHERE TECHNIQUE



Insert the castable plastic post into the prepared root cavity.



Cut the post to the level of the root and remove the sphere.



Position the single spheres in parallel with each other.



Cast post and sphere. It is also possible to place the sphere off center in respect to the long axis of the post.

OT CAP - TITANIUM SINGLE SPHERES + TIN FOR CURING WELDING OR BONDING



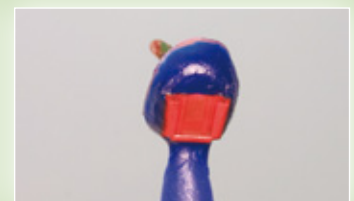
Wax-up the root cap. Insert the titanium sphere into sliding base and position it on the root cap.



Wax-up with titanium sphere in position. Do not cover the "open" side of the base with wax.



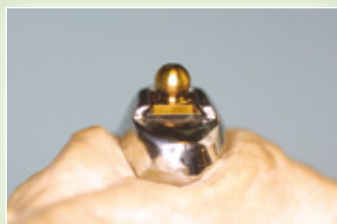
Remove the titanium sphere from the base before attaching sprue.



The finished wax-up with sprue. The root cap and post is ready to be invested.



Using the tool, check the fit of the cast cap by inserting the sphere into the base.



Titanium sphere inserted in the cast root cap base.



Bond the titanium sphere to the base using anaerobic or self-curing composite material.



Finished root cap. The sphere is bonded and locked in position.