

Implant level

Screw  
Retained  
RestorationGold base  
plastic cylinder

### Benefits

- No risk of excess cement.
- Retrievability.
- Direct implant to crown connection.
- High retention even with low profile restorations.
- Accurate connection, which isn't sensitive to the lost wax technique.



### Things to consider

- Accessibility to the screw channel.
- Implant needs to be in "ideal" orientation for screw-channel positioning and an optimal esthetic result.



### Types

- Single crown (anti-rotation cylinder)
- Bridge (free-rotation cylinders)

### Components:



Direct gold plastic  
cylinder, SP  
CS-GP010



Long driver for 0.05 inch hex.  
MT-RDL30

Torque ratchet for  
prosthetic screws  
MT-RI040



Gold base  
plastic cylinder

## Step-by-Step

1.



### Stone model with simulated gingiva

Stone model is prepared, including gingival simulation.



2.



### Diagnostic wax-up

A diagnostic wax-up is performed as a reference for optimal aesthetic and functional planning.



3.



### Abutment adjustments

The gold-plastic cylinders are screwed to the implant analog and shortened to approx. 2mm below occlusion. The minimal post height is 4mm. The bite position should be verified using an articulator.

The recommended tightening torque is 15Ncm.



## Gold base plastic cylinder



4.

### Wax carving

A wax carving is prepared on the plastic cylinders according to the relevant tooth morphology and the individual anatomical emergence profile. The cylinder's opening will constitute as the screw channels of the restoration, and must remain exposed during this step.



Single crown

Bridge

Overdenture



5.

### Casting

The wax-up is prepared for the lost wax technique procedure to cast the metal framework of the final restoration.



Single crown

Bridge

Overdenture



6.

### Metal framework

The metal framework cast is adjusted on the model and then sent for try-in in the patient's mouth.



Single crown

Bridge

Overdenture

Gold base  
plastic cylinder



### Metal try-in

The metal framework is tried in the patient's mouth and adjustments are made if necessary.



7.



### Porcelain and finalization

Porcelain firing is performed over the metal framework and after a last try-in and final adjustments (if necessary) in the patient's mouth, the bridge is finished and glazed.



8.



### Final restoration

The final restoration is screwed into the implant. The screw-channels may then be sealed and filled with composite material. The recommended tightening torque is 30Ncm.



9.