

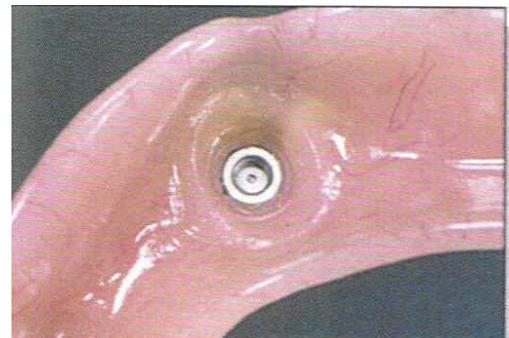


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## Overdenture System

### Male on the post-coping

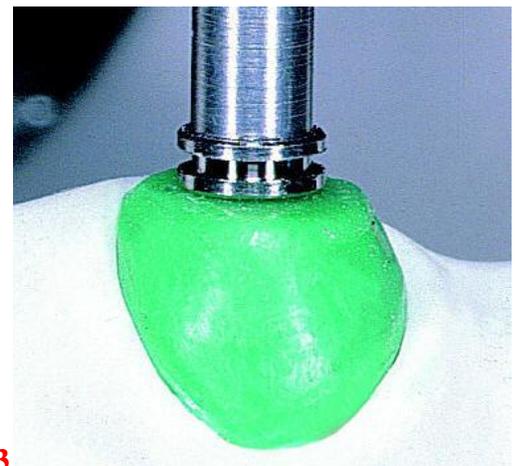
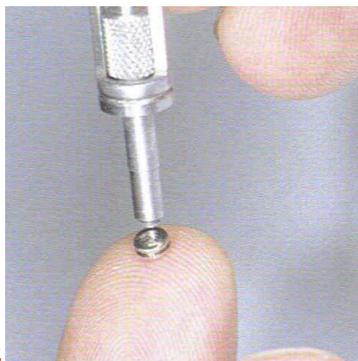


The threaded base ring is either cast-to or soldered to the post and coping. The precision female is fixed in the acrylic resin either in the laboratory, or by the dentist.

Advantage:

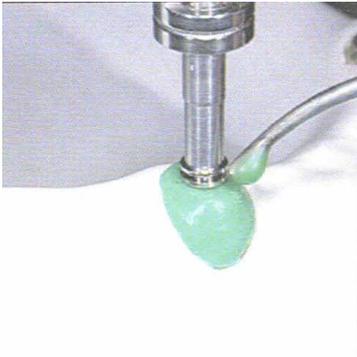
- Reduced chance of food impaction in the attachment

## Fabrication of the post coping: Cast To Technique



Wax up the post-coping as low as possible (**FIG 1**). Use the (RE) **P4 paralleling mandrel** for the castable base

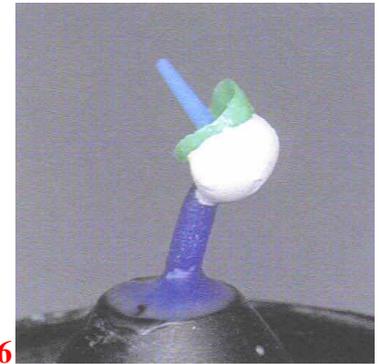
ring. Thread the paralleling mandrel into the **base ring (FIG 2)**. The occlusal surface must be at an angle of 90 degrees to the path of insertion (**FIG 3**).



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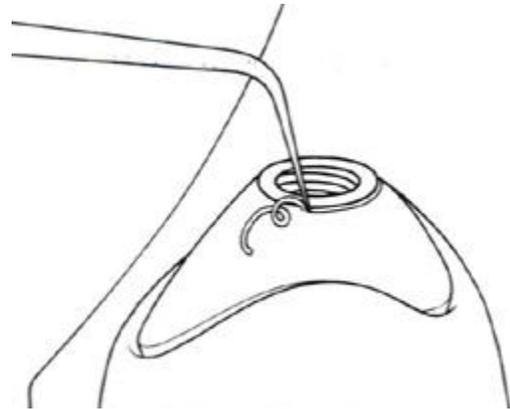


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Completely surround the base ring with wax (**FIG 4**). Make sure that the wax pattern ends only a few tenths of a mm below the upper metal ledge to prevent metal from flowing in (**FIG 5**). Paint [liquid colloidal graphite](#) (available from Preat Corporation), or anti flux, on the threads of the base ring to prevent any cast metal from adhering. Allow the graphite to totally dry before investing. A two stage investing process is recommended. Allow the initial investment to set for 30 minutes (**FIG 6**).

#### Tips:

- Paint an anti-flux such as Colloidal Graphite on the threads to prevent flash from adhering to the threads. Let the Colloidal Graphite **fully dry** before casting.
- Slowly **flow investment into the threads of the base ring**. **Do NOT sandblast** to remove investment.
- Cut a small slot in the wax surrounding the base ring with a fine instrument to prevent metal from flowing into the base ring (**FIG X**).



**FIG X**

The base ring may only be cast with precious or semi-precious alloys for the coping.



In cases of limited space, the post coping may also be waxed up in a concave form (**FIG 7**). The rounded shape of the coping provides for easy patient cleaning and hygiene maintenance (**FIG 8**).

[The next step: Retaining the female in the prosthesis](#)