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# Sphero Post Instructions

Cast coping option available



*Sphero Post Short 6.55mm*



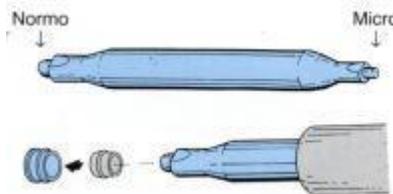
*Sphero Post Medium 8.40mm*



*Sphero Post Long 9.75mm*



*Sphero Post Reamer*



*Sphero Cap Insertion Tool*



*Sphero Post Reamer*

## Benefits:

- Self-parallel spherical direct placement attachment system
- Corrects up to 15° divergence of abutments
- Easier Patient insertion
- Reduced attachment wear



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Use the appropriate reamer--yellow for the short (6.55mm) post, and blue for the medium (8.4mm) and long (9.75mm) post. Proceed at slow speed. The reamers are reverse fluted so the excess will leave the canal (**FIG 1-2**).



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Making notches in the post (**FIG 3**) improves adhesive properties. Try the post in prior to cementation (**FIG 4**).

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6



Place and cement the post (**FIG 5-6**).

## Chairside Pick-up of the Female

### DIRECTIONAL RINGS

With inclinations of:



0°

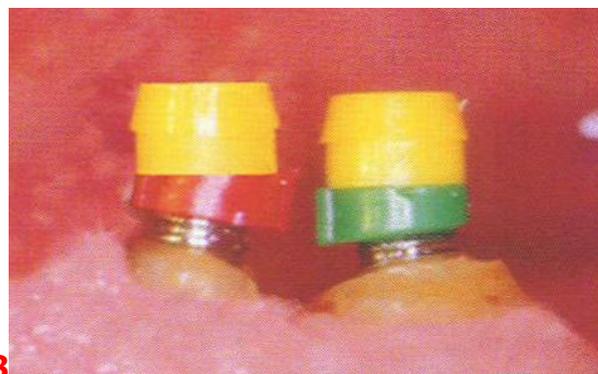


7°



14°

7



8

Position the correct directional ring (**FIG 7**) under the sphere (**FIG 8**). The directional rings will help position the attachment so that optimum parallelism is obtained.

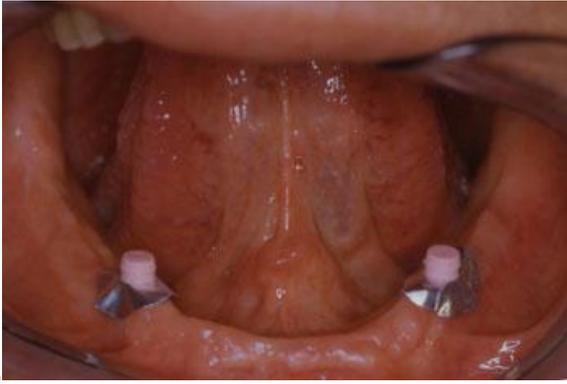


9



10

Place the retentive caps on to the spherical attachments (**FIG 9**). Check the position, and rotate each ring using the proper instrument (**FIG 10**) until optimal parallelism is found. Verify that the path of insertion is parallel. Be sure that the flat occlusal surface of the retentive caps are parallel to each other



Once the maximum parallel position is found, remove the caps and [place the large tin spacer](#) over the attachment (**FIG 11**). This will provide resiliency to the attachment, and prevent the prosthesis from prematurely contacting the abutment.



Using the Cap insertion tool, seat the nylon retention caps into the metal housings. Seat the completed female component on to the attachment (**FIG 12**), over the tin spacer and directional ring. Try the prosthesis in the mouth to verify the space in the prosthesis is large enough to facilitate incorporation of the female component.

Cut a small (the size of a pin hole) escape vent in to the lingual side of the prosthesis. Fill the female area of the prosthesis with self curing resin and seat in the mouth (**FIG 13**). Hold with finger pressure until the resin has set. Do not have the patient bite, as this will displace the tissue.



After the resin has set, remove the prosthesis and remove the tin spacers (**FIG 14**). Refine any excess resin. Remove the directional rings from the attachment. The finished prosthesis (**FIG 15**).

## Laboratory Processing of the Female Using Analogues:



Once the Sphero Flex attachments are placed, **and the directional rings are seated**, an impression is taken. The sphere will create a recess in the impression material. The Laboratory will seat the Sphero Flex Post Analogue into the recess in the impression and pour the model (**FIG 16**). Place the tin spacer (**FIG 17**) on the attachment and adapt to the tissue, seat the retention cap into the metal housing using the Cap Insertion Tool, place the completed female on the attachment (**FIG 18**), block out any undercuts, and process as normal.

After polymerization, remove the tin spacers. Refine any excess resin.

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