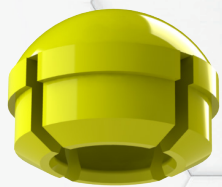
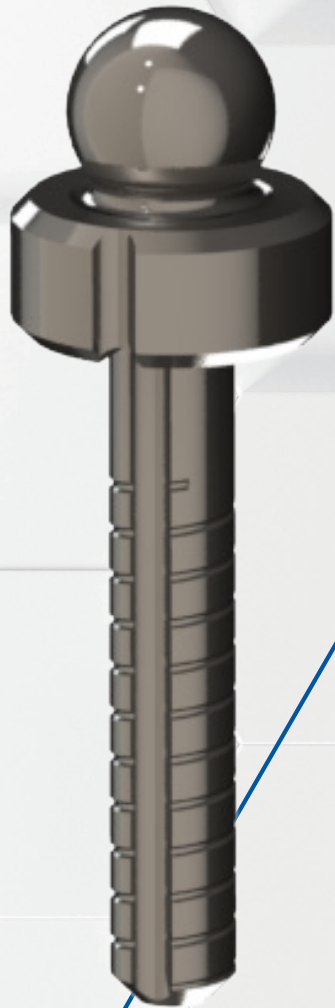




HADER
SOLUTIONS



Hader CX

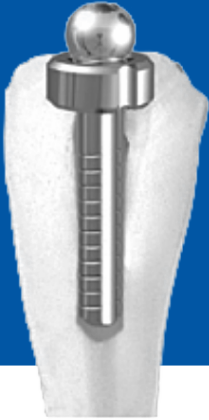
Post

USER GUIDE



www.hader.eu

Hader CX posts offer an economical and efficient solution for supporting prostheses over endodontically treated roots, ensuring secure retention for patients. Choose between two options: a post fixed with a ball or a post with a replaceable threaded male, providing versatile solutions tailored to individual needs.



1. Preparation of the canal

Use the **Hader CX Burr Set** (ref- 5011001) at slow speed extending to 2/3 of the canal.

1. Pre-drilling bur to create initial shape (ref- 5011015-1)
2. Cavity bur to shape the rounded base (ref- 5011016-1)
3. Precision reamer to calibrate the diameter (ref- 5011017-1)



2. Cementation, impression and laboratory

Keep these essential tips in mind:

- Always clean and sterilize the post before cementation.
- Double-check the fit of the post before applying cement to ensure a perfect result.

For Post & Ball (ref- 5011029-1)

1. Apply cement following the recommendations of the manufacturer, seat the post and clean any excess of material.

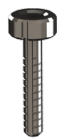


2. Take the impression, ensuring accurate replication of the ball shape and fit the Hader Round Model Analog (ref- 5011008) to the ball index in the impression to prepare the stone model.



For Post (ref- 5011028-1)

1. Thread the male impression tool (ref- 5011044) to the post to be used as a handle. Cover the post and the canal with cement following the recommendations of the manufacturer. Seat the post, clean any excess of bonding material.



2. Leave the male impression tool in the cemented post and take the impression.
3. With the Hader CX 0.9mm driver (ref- 5011040-1), thread the Hader CX protection cap (ref- 5011039) to the post while the prosthesis is processed.



4. In the laboratory, thread the male impression tool (ref- 5011044) to the female impression tool (ref- 5011043) and fit the assembly to the index in the impression to prepare the stone model.



5. When the prosthesis is ready, remove the protection cap and thread the Hader Ball Standard (ref- 5011010-1), or Long (ref- 5011011-1).



New Acrylic Resin Denture

Follow this instructions for processing a Hader CX Housing into a new acrylic resin denture.

1. Laboratory instructions

For Post&Ball (ref- 5011029-1)

Use the Hader Round Model Analog (ref- 5011008) by inserting it in the index created by the male in the impression. Pour the master model.

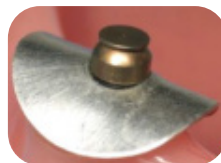


For Post (ref- 5011028-1)

Thread the male (ref- 5011044) and female (ref- 5011043) impression tool together and insert them in the index in the impression. Pour the master model. Remove the male impression tool. The analogue will stay in the master model. Use the Hader CX 0.9mm driver (ref- 5011040-1) to thread the Hader Threaded Male Ball Standard (ref- 5011010-1), or Long (ref- 5011011-1), to the analog.



2. Place the Hader O'Ring space maintainer (ref- 5011024) and the Hader round tin spacer (ref- 5011036-1) over the male and adjust to the shape.
3. Use the Hader CX Insertion Tool (ref- 5011014-1) to insert the plastic female into the metal housing (ref- 5011022) and click this assemble to the male.



4. The Hader CX metal housing and round female component can correct misalignments of up to 30° for each abutment. Use the Hader female paralleling mandrel to ensure the housings are parallel to each other and in 90° angle insertion path.



5. Protect the inside of the housing with a small amount of Vaseline, place the wax denture over the model and invest.
6. Process the acrylic denture, finish, and polish accordingly.

7. Remove and discard both space maintainers and ensure the retention is appropriate. The plastic insert can be replaced if necessary.



Existing Acrylic Resin Denture

Follow this instructions to transform an existing denture to receive a Hader CX housing. This procedure can be done in the laboratory (indirect method) or chairside (direct method)

Indirect Method

1. Laboratory instructions

1. Produce the master model

For Post&Ball (ref- 5011029-1)

Use the Hader Round Model Analog (ref- 5011008) by inserting it in the index created by the male in the impression. Pour the master model.



For Post (ref- 5011028-1)

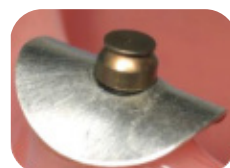
Thread the male (ref- 5011044) and female (ref- 5011043) impression tool together and insert them in the index in the impression. Pour the master model. Remove the male impression tool. The analogue will stay in the master model. Use the Hader CX 0.9mm driver (ref- 5011040-1) to thread the Hader Threaded Male Ball Standard (ref- 5011010-1), or Long (ref- 5011011-1), to the analog.



2. Relieve the denture that will receive the Hader CX Housing and create vents to permit any excess of fluid acrylic to escape to the lingual side of the denture.



3. Place the Hader O'Ring space maintainer (ref- 5011024) and the Hader round tin spacer (ref- 5011036-1) over the male and adjust to the shape.



5. The Hader CX metal housing and round female component can correct misalignments of up to 30° for each abutment. Use the Hader female paralleling mandrel to ensure the housings are parallel to each other and in 90° angle insertion path.



4. Use the Hader CX Insertion Tool (ref- 5011014-1) to insert the plastic female into the metal housing (ref- 5011022) and click this assemble to the male.



7. Let the acrylic set according to the recommendations of the manufacturer. Remove any excess of acrylic. Finish and polish.

6. Protect the inside of the housing with a small amount of Vaseline, add acrylic resin to the relieves in the denture and place over the model.



8. Remove and discard both space maintainers and ensure the retention is appropriate. The plastic insert can be replaced if necessary.

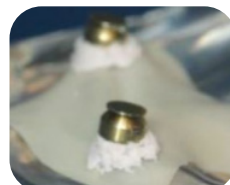
Direct Method

1. Chairside instructions

1. Relieve the denture that will receive the Hader CX Housing and create vents to permit any excess of fluid acrylic to escape to the lingual side of the denture.



2. Place the Hader O'Ring space maintainer over the male in the mouth (ref- 5011024) and a rubber dam over the ball and surrounding areas.



5. The Hader CX metal housing and round female component can correct misalignments of up to 30° for each abutment. In the mouth, the housings can be rotated with any flat instrument like a tongue depressor.

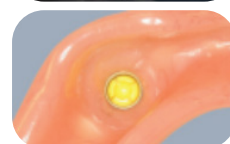


3. Use the Hader CX Insertion Tool (ref- 5011014-1) to insert the plastic female into the metal housing (ref- 5011022) and click this assemble to the male.



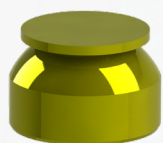
7. Let the acrylic set according to the recommendations of the manufacturer. Remove any excess of acrylic. Finish and polish.

6. Add cold cure acrylic resin to the relieves in the denture and seat in place.



8. Remove and discard both space maintainers and ensure the retention is appropriate. The plastic insert can be replaced if necessary.

Hader CX Metal Housing

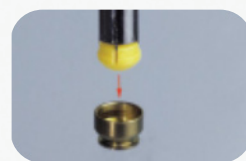


6 PCS
30 PCS

5011022-6
5011022-30

In TITANAX for inclusion into acrylic resin.
H: 2.65 mm - Ø 4.0 mm

Use the Hader CX Insertion Tool (ref- 5011014-1) to insert the plastic element into the metal housing by placing it on a flat surface and pressing down firmly.



Choose between three levels of retention:
(ref- 5011019) – Yellow for standard retention
(ref- 5011020) – White for reduced retention
(ref- 5011021) – Red for increased retention



To replace a plastic insert, use a hot or sharp instrument to remove it from the housing and repeat the previous step to insert a new one.



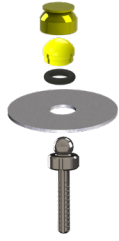
Available Kits



5013001
Hader CX Dentists Starter Kit 001
 Starter kit for dentists. All of the major components and tools needed for a Hader CX post & ball procedure.



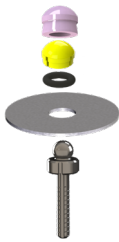
5013002
Hader CX Dentists Starter Kit 002
 Starter kit for dentists. All of the major components and tools needed for a Hader CX post with removable ball procedure.



5012014
Hader CX 0014
 Hader CX one piece post & ball.



5012012
Hader CX 0012
 Hader CX threaded post & ball complete.



5012015
Hader CX 0015
 Hader CX one piece post & ball with duplicating dummy.



5012013
Hader CX 0013
 Hader CX threaded post & ball complete with duplicating dummy.

General Recommendations

- Any element which is visibly altered or damaged (corrosion, breakage, cracks) must be immediately disposed.
- Products made from plastic through injection moulding may exhibit a slight change in coloration, but this does not affect their quality or characteristics.
- The plastic inserts might wear after prolonged use, and it will be necessary to replace them regularly (max every 5 years) to maintain sufficient retention force.
- When replacing a plastic insert, all the elements, as well as the maintenance of the sealed parts, must be checked.
- Drills must be carefully manipulated. Follow the cleaning and using instructions in this document.

Use them at slow speeds with appropriate irrigation. We recommend extending the preparation to 2/3 of the canal.

Before reprocessing, visually check the drills and ensure that there are no signs of breakage or damage, the integrity of the markings and colour codes is intact, the cutting surface is not damaged and there are no signs of corrosion. Dispose immediately otherwise.

Alloys and Materials

- IRAX: Au 60 - Pt 24 - Pd 15 - Ir 1 / Melting range: 1400-1460 °C
- NOPRAX: White - Cr 28 - Co (balance) - Mo 6 - others: Si, Mn / Melting range: 1355-1450 °C
- ORAX: Yellow - Au 67 - Ag 13.5 - Pt 8.5 - Cu 10.8 - Zn 0.2 / Melting range: 910-995 °C / Heat treatment: 60 min at 400 °C
- TITANAX: White - Ti 90 - Al 6 - V 4 / Melting range: 1663-1682 °C
- POLYACETAL: Plastic Inserts

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Hader Solutions & Distribution LTD.

Unit 9, 70 Applewood Main St.
 Applewood, Swords
 CO. Dublin, K67 V4H1
 Ireland

