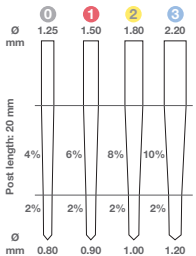
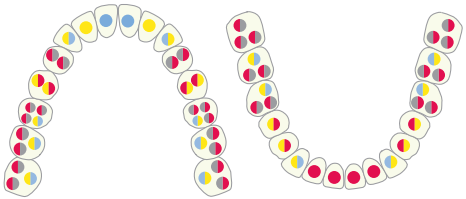
Placing Root Posts with the DT Post System*

DT LIGHT® DT LIGHT®SL DT ILLUSION™SL XRO®

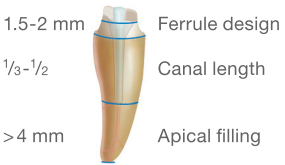
A ▶ Preparation of Post Space and DT Post

1. Determine post size considering anatomical situation, radiograph and dental chart.

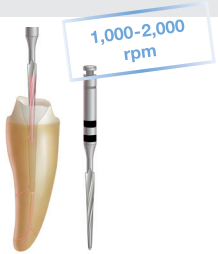




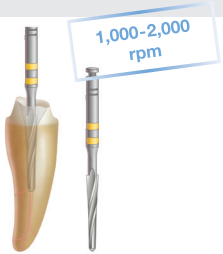
2. Define insertion depth.



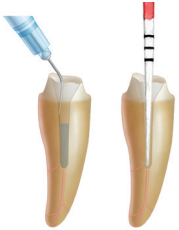
3. Remove obturation material with DT Universal Drill.



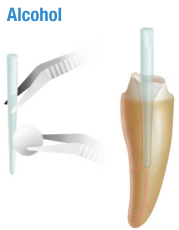
4. Enlarge root canal with DT Finishing Drill. Unnecessary for size 0.



5. Remove dentine chips by rinsing with aqua dest. Dry root canal.



6. Clean post with alcohol. Check post fit in root canal.



7. Shorten post with diamond disc. Clean post with alcohol.



B ▶ Adhesive Bonding: Using Total Etch – Total Bond as an Example

8. Etch, rinse and dry both canal and coronal dentine.*



9. Apply adhesive, remove excess. Gently air dry.*



SAFETY LOCK® TECHNOLOGY

DT ILLUSION™XRO®SL and DT LIGHT®SL – no need for manual pretreatment thanks to SAFETY LOCK® coating.

DT LIGHT®
Lightly coat with primer and silane, air dry, light cure.



10. Apply composite cement into the root canal and on post.*



11. Place DT Post, stabilise and light cure.



12. Create core build up with composite.* Cover post completely.



* Please read and follow the instructions for use of DT Posts and luting agents used!

DT LIGHT® DT LIGHT®SL DT ILLUSION™SL XRO®

Indication

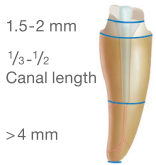
In case of insufficient residual tooth substance (more than one missing coronal wall), the post is needed to support the coronal restoration.



Ferrule Design and Insertion Depth

Precondition: Residual circular coronal substance (ferrule design) of 1.5-2 mm. If this is not given, a crown extending measure should be performed (surgically/orthodontically).

Insertion depth: about 1/3-1/2 of the canal length. Leave at least 4 mm obturation material.



Post Space: Preparation and Fitting

Preparation: The unnecessary loss of tooth substance is to be prevented. Remove gutta-percha entirely from canal walls for optimum adhesion – especially important in oval canals.

Fitting: Post shall be easy to take out when trying the post in the root canal. Small gaps will be filled with composite.

Tip: In heavily destroyed teeth, several root posts can be placed (not parallel to one another).

Retreatment of DT Posts

In cases where retreatment is necessary, DT Posts can be removed with the DT Post Removal Kit. The longitudinal direction of the post fibres thereby favours easy control of the drilling instrument.

1. Determine position and length of the post on radiograph.
2. Drill small, central hole into the post with the DT Pilot Drill.
3. Use Carbide Drill to drill out the post from the centre (set working length with silicone stopper first).
4. If post can not be removed completely, finish with DT Finishing Drill #2 or #3 and prepare new post space.
5. Control on radiograph.



Please read and follow instructions for use of DT Post Removal Kit.

Compatible Adhesive Systems

DT Posts can be bonded with all of the customery adhesive procedures (self- or dual-curing) and all composite cements (self- or dual-curing) on BisGMA or UDMA basis. A total etch – total bond procedure is recommended for best bonding values.
Core build-up: composite material.

DT ILLUSION™XRO®SL and DT LIGHT®SL:
A list with adhesive and composite materials tested with the SAFETY LOCK® coating is included in the instructions for use.

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