

The new Root Canal Pluggers according to

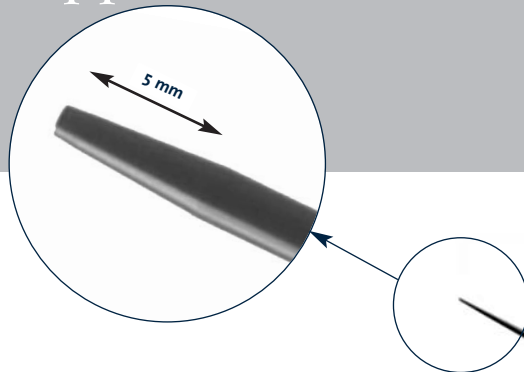
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Why do these pluggers have an elongated 5mm conical working end ?

The function of the pluggers is to compact and to create an internal pressure in the root canals ; thus obtaining a three dimensional filling. With the normal treatment procedure up to 11 conventional pluggers are needed. With the new RCPSL series from Hu-Friedy only 5 pluggers are required for this type of root canal obturation.

The RCPSL pluggers with the tapered tips replace at least two or three conventional or cylindrical pluggers. This special shape of the working end facilitates increased hydraulic pressure in the root canal; thus achieving an optimal three dimensional filling.

The following product advantages are to be noted with this instrument series:

- The conical tips facilitate an improved penetration and fit in the root canals.
As a result increased lateral forces are created and an optimal root canal filling is achieved.
- All RCPSL Pluggers consist of a 5 mm conical tip. The first 4mm control the gutta-percha, in that the gutta-percha is condensed both laterally and apically. The concluding 1 mm of a point serves as a buffer in order to prevent the loss of pressure created within the thermoplastic material.
- The Dr. Sleiman pluggers, due to their special alloy, act not only as pluggers but also simultaneously as heat carriers. After only one second in a blue flame the plugger accumulates sufficient energy to soften and condense the gutta-percha.
- 5 Hu-Friedy Dr. Sleimann root canal pluggers replace various conventional pluggers. In the vertical root filling technique, as described above, it is imperative, that the working end reaches a depth of 5mm before the end of the root canal in order to guarantee an optimal condensing of the gutta-percha.
- The tip of the working end is sharp in order to facilitate the penetration of the mass of gutta-percha and the distribution of the heat energy there.

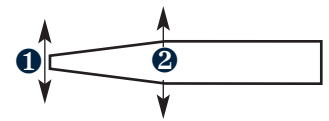
Example:

For preparing a 20mm long root canal the plugger should reach a canal depth of 15mm in order to achieve an optimal condensation of the gutta-percha and its adaptation in the apical area. At the start of the treatment, the largest RCPSL5 plugger should first be used in order to achieve an optimal 3-D pressure in the coronal region. Step by step the next smallest plugger should be used until a working depth of 15mm has been achieved; obtaining in this way a perfect root canal filling. Depending on the root anatomy 2 to 3 different pluggers would be used.

RCPSL172*



>>> Sleiman Pluggers RCPSL1-5



	①	②
RCPSL172	0,40 mm	0,74 mm
RCPSL275	0,50 mm	0,80 mm
RCPSL376	0,66 mm	0,96 mm
RCPSL478	0,78 mm	1,20 mm
RCPSL577	0,90 mm	1,45 mm



RCPSL275



RCPSL376



RCPSL478



RCPSL577