

VS FLEXI .03 GOLD - Instructions for use

Description

This set of heat treated Ni-Ti endo files with controlled memory was developed with the idea for maximum possible preservation of pericervical dentin in mind. Aim is to effectively shape the root canal without excessive removal of pericervical dentin.

Cross section of **VS FLEXI** files is parallelogram with specially chosen cutting angle for maximum cutting efficiency. Thanks to its cross section shape endo file during shaping touches the root canal wall in one, maximum two contact points at any time during shaping.

VS FLEXI files are unique combination between file with such cross section, such cutting angle, controlled memory and ability to shape the root canal with regular clockwise 360 deg rotation.

This unique combination ensures that **VS FLEXI** files have excellent cutting ability with minimum risk of file fracture or file getting stuck into root canal. At the same the file design allows for very effective evacuation of the debris coronally during the shaping, too.

Another advantage of that set of endo files is that ALL files from the set work with same speed and same torque. Dentist sets the endo motor at 220-250 rpm and torque of 2.2- 2.5 N/cm and that's it.

Glide path

At the start of root canal shaping a hand glide path must be made by hand with hand files #06.02, #08.02 (optional when treating easy root canal – no severe curves or calcification) .

ROGIN C+ endo files may be used for this purpose or other type of hand files (K files, K reamers, D Finders) may be used depending on dentist's choice. When enlargement of the canal with file #08.02 is done the reached working length of the root canal must be defined by using an apex locator device.

Shaping of root canal with VS FLEXI .03 files

Endo motor must be set to normal 360 deg clockwise rotation with 250 rpm and torque of 2.2 – 2.5 N/cm.
Before start of the shaping, files must be covered with EDTA cream. Do not use files in dry root canal.

Shaping of the root canal must be made with light brushing motions of the file while at the same time doing a short pecking (downwards - upwards) motions apically at maximum depth of 1-1.5 mm at a time. After each 3-4 such shaping intervals the file must be taken out of the canal and cleaned from the debris with gauge saturated in hypochlorite solution.

After hand glide path is made with #08.02 file put first machine glide path file size #14.03 (MGP1 – one white ring) into motor's head and with combined light brushing and pecking motions shape the canal to full working length. No use of an opening file is needed in over 90 % of cases.

Then take a second machine glide path file size #17.03 (blank rings/grooves) and shape the canal same way to working length.

After this is done use **VS FLEXI .03 GOLD** shaping files with larger sizes to shape the root canal to the desired final size.

Important tip

Before shaping with next larger size file make sure you recapitulate the canal with hand file size #10.02 and irrigate copiously. VS FLEXI files must not be used in dry root canal.

Shaping the root canal up to size #30.03 is sufficient in most cases. Distal canal of lower molars and palatine canal of upper molars may anatomically be larger and then one must shape to size #35.03 or larger size and larger taper files should be used.

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