



Introduction:

The rotary Gentlefile is an inherently flexible abrasive file for cleaning & disinfection. It is operated with copious irrigation in the existing canal space.

The Gentlefile is introduced into the canal space after the canal has been explored to its full length with hand files as described in the IFU. It is used until 1 mm from the apex.

The files: Gray-Red-Blue-Black to be operated by Gentlefile drive, can also be operated manually.

Cat. No.	File Type	File Tip Size	File length
GF-01-PK		0.22	20 mm
GF-05-PK		0.23	25 mm
GF-04-PK		0.26	25 mm
GF-09-BR07		0.25	25 mm
GF-08-HR		0.25	25 mm
GF-08-HY		0.17	25 mm

Gentlefile logic clinical IFU

1. Scout the root canal with K-file (Usually 0.10) to evaluate the anatomy. Measure the working length using Digital Apex Locator.

2. Then use the manual Abrasive NiTi Gentlefile® by "push-pull" process (or as usual), first the yellow 017, if it does not reach the apex then repeat with the K-file and again with yellow 017.

• **Always irrigate the canal before you operate the Gentlefile** and confirm patency - using manual yellow-017.

3. Insert the GF into the canal and activate the Gentlefile .

4. Start vertical quick pecking motions with slight apical pressure for about 5 seconds

Note:

when using the GF-Finisher don't use pecking motion just move slowly up & down.

• **Never push** the GF, JUST maintain slight apical pressure with a quick pecking motion.

• **Always work** in a wet canal and maintain awareness of lubrication of the canals.

• **The GF is not a pathfinder.** Never use it where a k-file has not previously been to length.

The recommended working sequence:

1. start with the gray coronal GF as far as it will go for 1-3 repetition of 5 seconds each. If the gray file does not penetrate to the apical third, a manual: yellow-017 or red-025 or the GF-Finisher can be used to help clear debris and enable the GF to progress down the canal. Thus, is the sequence: **Patency file - irrigate - and GF.**

2. Proceed with crown-down sequence: depending

on how far the gray file penetrated into the canal, the next file is chosen. If the gray file neared the working length, then the final file is chosen based on the estimated apical diameter (blue 026 or red 023).

3. Attempt to get within 1 mm of the apex with the GF. For best tactile feedback, and apical control, the fine-tuning of the last mm can be done with the manual GF Red 025. However, there is no contra-indication or danger for the Gentlefile to go to full apical length.

Note: Always use copious irrigation and manual patency files. When the file no longer advances, switch to the next smaller file in the sequence **until about -1.0 mm from the working length is reached.**

If you face difficulties penetrating the canal:

1. then try the manual GF yellow 017 or red 025.

2. Start with manual: yellow-017 or red-025 according to the canal condition. You can also try with the black-GF-Finisher after the manual Gentlefile.

3. Repeat crown-down sequence with the GF.

4. At the end of the cleaning procedures, irrigate with EDTA or citric acid. Activate the solution by running the black GF-Finisher in each canal for about 20-30 seconds. It is recommended to position the black GF-Finisher about 2 mm from the apex to get the best results from the activation process.

5. Irrigate again with sodium hypochlorite and activate again with the black-GF-Finisher for about 20-30 seconds.

6. Dry the canals, and fill.

Sterilization

1. Gentlefile files are provided non-sterile and must be sterilized before use.

2. Use gravity displacement autoclave equipment, set to Temperature 134°C, Pressure of 20 Psi for 20 minutes.

It is recommended to review the technical spec., available on the Gentlefile® web site: www.gentlefile.com.



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