4 Benefits

of Channels® One Reciprocating NiTi Files exclusively available from Henry Schein

The Channels One files offer everything you need for safe, predictable, and economical endodontics.

Endodontics is one of the most challenging areas in dentistry. Often, the tooth-saving procedures are complex and the patients extra nervous, making the clinician's job even more difficult.

Thermal injuries, hypochlorite accidents, and separated instruments are among the complications that can occur during an endodontic procedure, placing extra stress on the clinician—not to mention the generally elevated patient anxiety around the dreaded root canal.

Endodontics can be difficult for everyone involved, but the clinician performing the procedure can help to make everything simpler and less tense. To accomplish this, it is critical not only to know how to handle complications but also how to avoid them. That starts with investing in the right tools, particularly when it comes to endodontic files.

A variety of files are available, including rotary and reciprocating, with many advancements made over the years. For most clinicians, nickel-titanium (NiTi) reciprocating instruments such as Channels® One from Henry Schein are the best option, mainly because of their flexibility—something conventional stainless steel alloy does not offer. NiTi reciprocating instruments feature greater flexural strength, leading to better, safer manipulation in curved and narrow canals. These instruments are less likely to fracture inside the canal, a common problem every dentist (and patient) wants to avoid.

Channels One files offer high quality and efficiency. The variable tapered, heat-treated system makes it possible to complete procedures with fewer instruments and less worry about complications, saving time and money while alleviating stress. The file's proprietary metallurgy technology gives the instruments high flexibility and strength. They are also capable of 90° curves, allowing clinicians to navigate difficult canals. Fabricated using a heat-treatment designed to reduce bounce back, the files maintain the correct curvature throughout treatment. Their high resistance to cyclic fatigue also greatly reduces the chance of breakage improving patient safety.

Channels One files are all you need for most endodontic cases, allowing you to shape canals with 1 file. This makes procedures more efficient, predictable, economical, and safe. Here is a closer look at 4 benefits these files bring to your practice.

1 They make endo more efficient

Much goes into an endodontic procedure, starting with the diagnosis. Clinicians must follow various steps to ensure they get the diagnosis right, and plan for specifics of the canals they view in the clinical imaging. It is critical to go into each procedure with a clear plan and the right tools to execute it.

Clinicians need high-quality instruments for these procedures, and that includes files. Shaping the canal is probably the most important part of endodontic treatment. It includes removing the pulp tissue, microorganisms, infected dentin, and in the case of retreatment, root canal filling materials. Proper shaping also enhances the efficiency of medicaments and irrigants. Channels One files provide adequate irrigation in the root canal and a consistent shape for 3D obturation. The tapered design also allows for consistent obturation with standard gutta-percha cones.

The reciprocating technology in Channels One makes it possible to complete most cases with 1 file, simplifying treatment protocol. These files offer unique features. The reciprocating instruments combine flexibility and strength, letting clinicians work more efficiently. Fewer instruments are needed to complete the procedure, streamlining workflow and reducing inventory.

In general, reciprocating instruments are less likely to bind into the root canal dentin wall than other options, so there is less torsional stress. There are also fewer cycles within the root canal during the preparation, meaning less flexural stress as well.

Unlike with other files, there is minimal worry about file separation and breakage and the accompanying problems. Removing broken files takes time, which does not help efficiency.

Investing in the Channels One files saves clinicians time, making it possible to see more patients throughout the day. Because patients spend less time in the chair, they have a better overall experience, making them more likely to stay loyal to your practice and to refer you to family and friends.

The Channels FLEX rotary file represents another option with proprietary metallurgy technology, meaning the same flexibility and strength as the reciprocating files. This preserves the canal's anatomy, but there is high resistance to cyclic fatigue. Choosing the rotary or reciprocating option depends on the case and clinician preference. Both simplify the procedure and enhance efficiencies. The files are color coded for easy identification, further streamlining the process.

2 They make endo more predictable

In recent years there have been plenty of advances in endodontic instruments designed to ensure that proper enlargement of the main canal is achieved without complications. Adding reciprocating motion to stainless steel and then NiTi files is among the most significant of those advancements. When applied to NiTi instruments that are better resistant to separation and breakage, reciprocating motion leads to more efficient procedures and predictable results.

CHANNELS® ONE FILE FEATURES AT A GLANCE

- Only 1 file needed to shape the canal
- High flexibility capable of 90° curves
- High resistance to cyclic fatigue compared with other systems
- Designed to preserve canal anatomy

The files have:

- *Size identification bands*
- *12-mm handle length*
- *Silicon stop*
- *Calibration rings*
- *Variable taper*

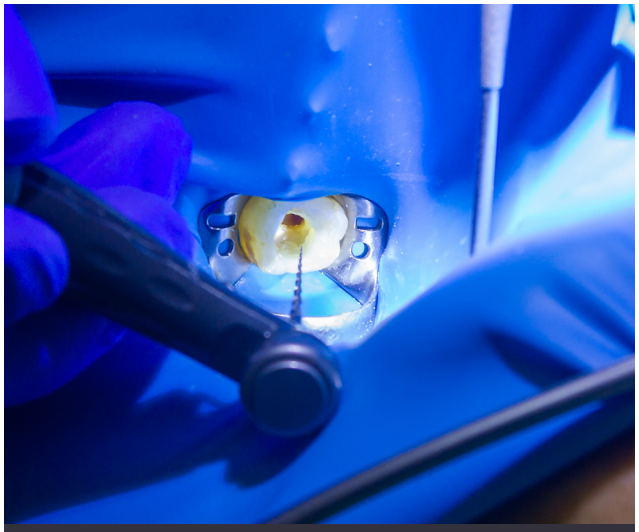
NiTi files like those from Channels® One feature enhanced elasticity and shape memory, allowing the files to return to their original shape after deformation. Stainless steel files cannot do that. The flexible NiTi files conform better to the canal curvature. They are more resistant to fracture and more durable—features that go a long way toward better predictability.

Why do NiTi files fracture? Flexural and/or torsional fatigue are typically the cause. Channels® One files are designed with technology that delivers high resistance to the fatigue that often results in file fracture.

When files fracture, dentists must try to remove them and often must sacrifice sound pericervical dentin. This leads to perforations and predisposes the tooth to vertical root fracture, harming its long-term success. Because Channels® One files are less likely to fracture, endo becomes more predictable. There is no need to stop the procedure to try to remove the broken file, or to worry about what impact that removal will have on the patient.

A FULL LINE

The complete line includes products for all necessary steps in the endodontic procedure. The Channels® One files have matching Channels® One gutta percha and absorbent paper points that can be purchased separately, as well as other Channels® accessory items. You can learn more about them at henryscheindental.com/channels.



Other options

Channels® FLEX is a heat-treated rotary constant taper NiTi file that can be used for just about any root canal procedure. The files come in a very comprehensive line-up of tapers, lengths, and ISO sizes.

3 They make endo safe

Regardless of procedure, patient safety is paramount. Because endo cases tend to be complex, much can go wrong. Technologies like CBCT scans help dentists better plan treatment to avoid problems, but choosing the right instruments is critical.

NiTi files like the durable Channels® One increase patient safety, making the procedure less stressful for clinicians while putting patients at ease.

If a file breaks during canal shaping, it decreases efficiency, hurts long-term predictability, and is a safety concern for patients. You must try to remove the files, which can be challenging, time consuming, and compromising to long-term success of the treatment. Patients end up needing retreatments, which could be complicated because a broken file and possibly other obstructions are blocking the glide path. Investing in files less prone to breakage alleviates this problem, helping keep patients safe and healthy.

4 They make endo more economical

Investing in multiple file systems for endo procedures can be costly. The Channels® One files give you everything you need in 1 system while reducing the number of instruments needed. Procedures become more streamlined and ultimately shorter, while saving money on inventory. Every file in the Channels® portfolio, whether rotary or reciprocating, is cost-effective and designed to achieve the quality and performance necessary for successful endodontic procedures. The systems provide everything dentists need for streamlined, safe procedures that reduce costly retreatments and help ensure predictable, long-lasting results. You save a significant amount of money by investing in a reliable, simplified file system like Channels® One.

Because these products improve efficiencies, dentists can see more patients during the day or focus on other revenue-generating tasks, helping boost practice productivity and their bottom line. You are able to focus less on overhead and more on providing the best patient care possible.

THE TOOLS YOU NEED FOR BETTER ENDO

The Channels® One variable tapered file system makes it possible to complete endodontic procedures with fewer instruments and enhanced safety. The simplified system shortens procedure time, a benefit for both clinicians and their patients. Proprietary metallurgy technology gives the files the superior flexibility and strength critical to a successful procedure. Clinicians only need 1 file to shape the canal with this system, and that is important in terms of efficiency.

To learn more about the benefits these files can offer your practice, visit henryscheindental.com/channels.