

Instructions for Use

EndoRing® II

The EndoRing is a dental device used by dental professionals to store, clean and measure root canal files and instruments during endodontic procedures.

A. Before assembly, choose one of three ring sizes (small, medium or large) that best fits your index finger. Slide the selected ring into the cup channel located beneath the scale.

B. Place the EndoRing e-Foam insert into the EndoRing cup. Pull the e-Foam insert out the bottom of the cup to seat the foam.

C. Prior to first use, steam autoclave process the EndoRing cup with the metal ruler attached to the ruler platform. After the first autoclaving, the metal ruler will easily slide on and off the EndoRing cup. For subsequent autoclaving, always remove the metal ruler from the ruler platform. **⚠ WARNING:** If the metal ruler gets loose, remove it and steam autoclave process the EndoRing cup for 2 cycles to restore the retention feature.

D. Arrange hand files, rotary files or other instruments, such as Gates Gliddens, into the e-Foam insert. Remove all file bioburden prior to autoclaving files in the e-Foam insert. When using rubber stops, utilize the stop locks on either the built-in ruler or the detachable metal ruler to increase or decrease the instrument's working length. The rulers perform well with paper points, gutta percha and many other endodontic instruments. To efficiently clean instruments, simply pass them in and out of the e-Foam insert. You can also clean instruments by sliding them through the corrugated area on top of the e-Foam insert. Rubber stops can be safely added to instruments using the ports located on the back of the EndoRing cup.

E. GelWell attachments can be placed onto the EndoRing cup to hold Jordco's EndoGel® lubricant or other lubricating gels and liquids. Use either the reusable 2.0ml cup (1) or the single-use clear .65ml cup (2) inserted into the attachment ring. These can be reversibly attached to either side of the EndoRing cup.

F. The back of the EndoRing cup features the Endo Docking Station™. When held by an assistant, a doctor operating under a surgical microscope, can safely pass files into the expanded area of e-Foam. The area is also ideal for storing used files.

Processing Instructions

⚠ EndoRing Assembly Section Ⓐ EndoRing Cup w/Finger Ring | GelWell Adapter Ring | Metal Ruler

Precleaning Instructions: Disassemble the metal ruler (if equipped) and any GelWell cups or rings. Rinse all items under tap water to remove gross and visible soils. Use a scrub brush if necessary, to remove visible soils. Place items in an ultrasonic bath with only an enzymatic detergent prepared to the manufacturer's directions. Fully immerse the items and soak for 1 minute. Then sonicate the parts for 5 minutes and remove and rinse for 15 seconds with tap water. Inspect for any soils and repeat if any soils are visible.

Steam Autoclave Processing Instructions: Place the items in a regulatory or ISO 11607 compliant or approved autoclave pouch/bag. Refer to section Ⓐ on the chart below for time and temperatures for steam autoclave processing the items. During steam autoclave processing, place all components near center of the chamber. (2509)

⚠ Warning: After multiple uses, if any component of the EndoRing assembly demonstrates cracking, fractures or any loss of integrity dispose and replace with a new EndoRing assembly.

⚠ Single Use e-Foam Section Ⓑ ② DO NOT REUSE

Steam Autoclave Processing Instructions: Steam autoclave process a new e-Foam insert prior to use referring to section Ⓑ on the table below for time and temperatures. **Unused** or ultrasonically cleaned files may be placed in the e-Foam insert prior to processing. Steam autoclave processing **will not** remove bioburden left behind from prior usage. The e-Foam insert, along with files, may be placed in a regulatory or ISO 11607 compliant or approved autoclave pouch/bag. To avoid deforming the e-Foam insert, do not load or stack items on top of the e-Foam insert during steam autoclave processing. Dispose of after each use. (2509)

Autoclave Type	Gravity Displacement		Pre-Vacuum	
	Ⓐ EndoRing Assembly	Ⓑ e-Foam	Ⓐ EndoRing Assembly	Ⓑ e-Foam
Temperature	121 °C (250 °F)	132 °C (270 °F)	132 °C (270 °F)	132 °C (270 °F)
Process Time	30 minutes	15 minutes	4 minutes	4 minutes
Drying Time	30 minutes	30 minutes	20 minutes	30 minutes

⚠ Warning: Do not exceed a temperature of 275 °F (135 °C).

⚠ Single Use GelWell Cups ② DO NOT REUSE

Always use a new single use GelWell cup for each procedure. Do not autoclave the cups because they will deform and or melt. Dispose of after each use. To disinfect, always use an FDA approved High Level Disinfectant and follow the manufacturer's instructions.

⚠ Warning: Do not place any components into Surgical Milk, "cold sterilizing solutions" or instrument dips prior to autoclave processing. Only use **enzymatic ultrasonic detergents** when precleaning the EndoRing cup and the metal ruler in ultrasonic cleaners. Report any serious incident with this device to Jordco Corporation and the governing medical device authorities in your country. (2006)

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REV2512

ENDORING® II with Gelwells

Please read before using the Endoring II.



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**INITIAL ENDORING SETUP**

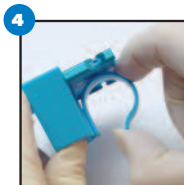
Each Endoring assembly contains 3 different sizes of finger rings. Select the size that best fits your index finger. Note an extra small size ring is available for small fingers.



Select the size that best fits your index finger. If you are right handed, size the ring to your left index finger. Make sure that the ring slides past your knuckle.

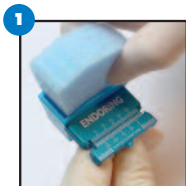


After selecting a ring, slide the ring into the channel on the back of the cup. You may have to lay it on a flat surface and press it firmly to seat it.



If the finger ring remains too snug, you can engage it and spring it open for a more comfortable fit. The resin is very durable and will adapt rather easily without breaking.

PLEASE OBSERVE THE CLEANING INSTRUCTIONS BEFORE USING THE ENDORING!

COMPONENT ASSEMBLY

Load the Endoring Foam Insert by sliding it into the cup.



Firmly seat the foam in the cup by grasping the pointed end and pulling it through the cup.



Snap a single-use Gelwell cup into the adapter ring.



Express some lubricating gel such as Jordco's EndoGel into the clear cup.

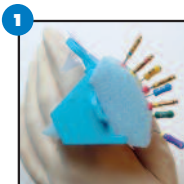


Snap the assembly onto either side of the Endoring cup.

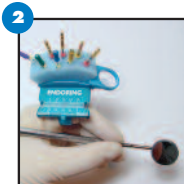


Attach the metal ruler to the Endoring cup by sliding it onto the ruler platform. It should snap on over the bump located at the leading edge of the platform.

HOW TO WEAR THE ENDORING



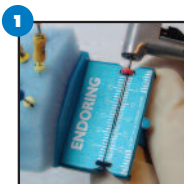
We suggest you wear the Endoring on your index finger. If you are right handed, wear it on your left index finger. **Place the Endoring past your knuckle and make sure to rotate it to the angle shown.**



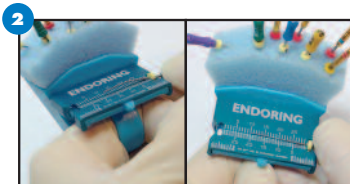
By rotating to the suggested position, your fingers will be free to hold other instruments such as a mouth mirror or pliers. This position is most comfortable to most users and will not interfere with the full use of your hand. It will also put the ruler into a position that allows you to calibrate your files.

NOTE: IT IS VERY IMPORTANT TO WEAR THE ENDORING CORRECTLY IN ORDER TO MAXIMIZE ITS PERFORMANCE.

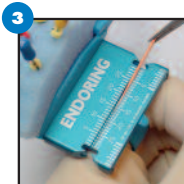
USING THE SCALE



To measure instruments, including rotary files, secure the rubber stop into either stop lock. The scale is designed for either right or left-handed users. Simply slide the stop to the desired position for your working length. Note the .5 mm markings on the lower part of the scale. You do not need to remove the rotary files from the handpiece in order to calibrate them.



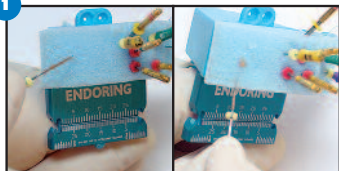
Curved files are easily measured by securing the stop into a lock. Flatten out the file in the stabilizing channel and set the stop to the desired length. Remove the file and it will resume its originally curved shape.



To measure gutta percha or paper points simply grasp them with the fine tip of a standard cotton pliers. Place them into the channel and grasp them from the stop lock to get a working length.

STORING & CLEANING FILES

1



The Endoring Foam Insert provides excellent storage capacity. In addition, it can clean debris from endodontic files very efficiently. Passing a dirty file in and out of the foam will clean off the most stubborn debris.

2



Endoring Docking Station™

Files can also be stored on the back side the Foam Insert. Some doctors use this area to pass and “Dock” their files to the Endoring if an assistant wears the Endoring. This is very helpful for doctors who use microscopes and do not want to break their visual field.

SAFETY RUBBER STOP LOADING PORTS

1



If you need to load new rubber stops and want to avoid dangerous sticks, use the ports located on the back of the Endoring cup. Simply place a rubber stop into the recessed ports and safely insert the file through it.

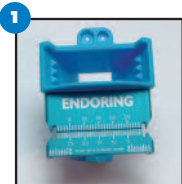
GELWELL USE

1

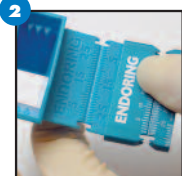


This convenient attachment allows you to store your lubricating gels or liquids close to the operating field. Jordco's EndoGel is an ideal lubricant that can be loaded onto files and taken directly to the root canal. The single use clear cups must be disposed of after each use. An optional reusable cup is included with each Endoring assembly if you prefer this type of attachment.

CLEANING & PROCESSING



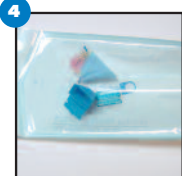
IMPORTANT: Before your first use, autoclave the Endoring Cup with the metal ruler attached to it. This step helps to temper the Endoring and allows for the easy insertion and removal of the metal ruler



Following the first autoclaving, always detach the metal ruler from the Endoring cup and autoclave them separately.



NEVER ultrasonically clean the metal ruler as this will damage the anodized surface.



Make sure all the components are separated. We suggest you bag all the separated components in a sterilizing bag. It is not necessary to separate the finger rings from the cup.

You can pre-arrange your files into the foam and autoclave them prior to your procedure. Do not autoclave the clear GelWell cups.



Steam autoclave the Endoring set-up according to your normal procedures. Steam autoclaves must be charged with an adequate amount of water for each load. Inadequate water can cause excess chamber temperatures and result in damage to the ring and its components.

WARNING: DO NOT IMMERSE THE ENDORING OR ITS COMPONENTS IN SURGICAL MILK.