

Instructions for Use



Waterpik® ClearView Sectional Matrix System

The Waterpik® ClearView Sectional Matrix System includes a nylon-reinforced stainless steel retaining ring; interproximal wedges; and non-stick sectional matrices for placement of restorations in the posterior area. Sectional Matrices are suitable for use with all posterior restorative materials. Either one Ring may be used for the restoration or two Rings may be stacked one over the other for performing M.O.D.'s and multiple-tooth restorations. The advantages of the sectional matrices and ring include natural contours for better replication of contact areas and embrasures, easy placement, enhanced view of the operative field, and more comfort for the patient.

SYSTEM COMPONENTS:

Waterpik® ClearView Retainer Ring

The Waterpik® ClearView Retaining Ring is for use in the posterior region either as a single ring or two rings stacked one over the other for performing M.O.D.'s and multiple-tooth restorations.

Waterpik® ClearView Non-Stick Sectional Matrices

- Sizes:
 - Bicuspid 4.6mm (light gray)
 - Bicuspid 3.8mm with extension (light blue)
 - Bicuspid and Small Molars 5.5mm (dark blue)
 - Molar 6.4mm with extension (purple)
 - Molar 6.4mm (green)
- For use with all posterior restorative materials.

Waterpik® ClearView Wedges

- Sizes:
 - Extra-small (white)
 - Small (light blue)
 - Medium (dark blue)
 - Large (purple)

Materials:

- Sectional Matrices: polished stainless steel with non-stick coating
- Retaining Ring: nylon-reinforced stainless steel
- Wedges: polypropylene, nylon
- Ring Placement Forceps: stainless steel

Indications:

The Waterpik® ClearView Sectional Matrix System is indicated for Class II restorations to facilitate the direct placement of restorative materials.

Contraindications:

None known.

SAFETY:

Be aware of the following safety notes in other chapters of these directions for use.

Note: Always refer to www.waterpik.com/matrix for the latest Instructions for Use.



Safety alert symbol

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury.

Warnings:

The Waterpik® ClearView Sectional Matrix System consists of small parts. As with all intra-oral devices, care must be exercised to ensure stable handling and placement.

- Wear applicable protective eyewear and gloves.
- Placement of a rubber dental dam is mandatory to prevent the potential for inhalation or ingestion of such parts.
- To avoid inadvertent swallowing or aspiration of the ring, should it unexpectedly come loose from its seated position, tying the ring to a previously placed rubber dam clamp with dental floss is recommended.
- **Aspiration:** If aspiration of matrix, wedge or retaining ring occurs seek immediate medical attention.
- **Ingestion:** If accidental swallowing occurs, encourage patient to seek medical assistance to locate swallowed part. If nausea or illness develops, seek medical attention immediately.

- **Laceration:** Handling matrices with gloved hands and/or cotton dressing forceps or similar instrument is recommended. In the unlikely event a clean matrix causes a skin laceration, employ usual first aid measures. Discard and properly dispose of matrix.
- Used matrices and accessories are contaminated. Follow proper exposure control plans. In the event of an accidental exposure, follow recommended post-exposure procedures. Following use of the Waterpik® ClearView Sectional Matrix System, proper handling and disposal techniques are required. Use precautions when handling or disposing contaminated items.
- Care should be taken to have good control of any instrument in order to protect patients from injury.

Precautions:

- This product is intended to be used only as specifically outlined in the Instructions for Use. Any use of this product inconsistent with the Instructions for Use is at the discretion and sole responsibility of the practitioner.
- Care must be taken when placing the retaining ring. Ensure ring is fully seated in forceps.
- Excessive pressure on matrix, wedge, or retaining ring in an apical direction may result in injury to periodontal tissues.
- This product is provided in a Non-Sterile condition.
- Devices marked "single use" on the label are intended for single use only. Discard after use. Do not reuse in other patients in order to prevent cross-contamination.
- Do not use accessory tools other than those designed, supplied, and/or outlined for use with the Waterpik® ClearView System. Injury may result.

Adverse reactions:

- Product misuse may cause failure resulting in respiratory, digestive, eye, skin, or mucosa injury. (See Contraindications, Warnings and Precautions)
- Failure to properly employ accepted handling and disposal techniques may present biohazard. (See Warnings and Precautions)

Pre-operative Sterilization:

Matrices and Wedges are supplied non-sterile and are for single use only. Prior to clinical use, Matrices and Wedges should be cleaned with a mild detergent and then steam autoclaved one time at 121°C for 15 minutes, followed by a 25 minute air drying time.

Retaining Ring and Forceps are supplied non-sterile, and should be steam autoclaved prior to first and each subsequent use.

STEP-BY-STEP INSTRUCTIONS:

Step 1: Isolation of the Area

Isolation of the area helps to prevent contamination from blood and saliva. As with many dental procedures, aspiration of small parts is a valid concern. Placement of a rubber dental dam is mandatory to prevent the potential for inhalation or ingestion of such parts.

To avoid inadvertent swallowing or aspiration of the ring, should it unexpectedly come loose from its seated position, tying the ring to a previously placed rubber dam clamp with dental floss is recommended.

Pre-Operative Placement of Ring for Separation (Optional)

To effectively use a contoured sectional matrix, there must be enough interproximal space to position the matrix without force or distortion. The retaining ring, when placed prior to and left on during cavity preparation, creates the interproximal space required for sectional matrix placement.

Cavity Preparation:

Complete preparation as usual.

After preparation is complete, follow the matrix placement (Step 2), wedge placement (Step 3) and retaining ring placement (Step 4) instructions.

Step 2: Sectional Matrix Placement

Select a sectional matrix that most closely approximates the occlusogingival height of the tooth.

Matrix Selection:

The 5.5mm non-stick sectional matrix (dark blue) is recommended for most applications. The 3.8mm (light blue) and 4.6mm (light gray) matrices are designed

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for use with adolescents and patients with short posterior teeth. The 6.4mm matrices (purple, green) are designed for larger cavities occlusogingivally. The 3.8mm (light blue) and the 6.4mm (purple) matrices with a subgingival extension supplement a contoured matrix with a pronounced gingival apron.

Technique Tip: Using cotton dressing forceps or similar instrument, grasp the tab at the top-center area of the matrix.

Over-approximate tooth curvature buccolingually by rolling the sectional matrix with your fingers. This will help keep the matrix ends from interfering with the Ring placement.

Technique Tip: The matrix should be oriented with the convex edge towards the gingival margin of the tooth, and the tab on top.

Technique Tip: The matrix placement tab may be bent over the adjacent marginal ridge to facilitate restoration marginal ridge contour.

If the ring was placed properly before tooth preparation, then the matrix should slide easily into place adjacent to the space to be restored from the occlusal approach. Ensure matrix is apical to preparation margin with no gap.

Step 3: Wedge Placement

For optimal contour, gingival seal, and tooth separation, use Waterpik® wedges.

Technique Tip: Keep a finger on the sectional matrix placement tab to prevent the wedge from dislodging the matrix during insertion.

Since a high viscosity resin packed into the preparation may displace the matrix away from the tooth, firmly insert the wedge.

Step 4: Ring Placement

Technique Tip: For secure gripping of ring tips to the surfaces, dry teeth thoroughly before placement.

Grasp the Waterpik® ClearView retaining ring near the tips of the ring with the ring placement forceps, being sure the ring rests within the channel on the forceps tips. Spread the ring with the forceps only enough to clear tooth height of contour. Do not over-expand the ring. Over-expansion may result in permanent ring deformation. The locking slide on the forceps may be engaged to facilitate carrying and placement of the ring.

Technique Tip: To avoid hitting and possibly dislodging the matrix when placing the ring, bring the ring down at an angle over the adjacent tooth and then flatten out the ring as you place it into the interproximal space and over the top of the wedge.

Place the ring with one tine in each interproximal space from buccal to lingual adjacent to the surface to be restored. The direction the ring points, mesial or distal, does not matter, though placing it so that the ring points mesially is usually more easily achieved due to easier access.

Using the slots on the bottom of the ring tines, fit the ring over the wedge.

With the tines properly positioned interproximally, release the locking slide on the forceps and slowly release the forceps tension. When ring is securely seated, release the forceps completely and withdraw forceps.

To avoid inadvertent swallowing or aspiration of the ring should it unexpectedly come loose from its seated position, tying the ring to a previously placed rubber dam clamp with dental floss is recommended.

Step 5: Contouring to Adjacent Tooth

To form proper contours, it is very important to push the sectional matrix firmly into contact with the adjacent tooth in the desired contact area.

Technique Tip: The matrix placement tab may be bent over the adjacent marginal ridge to facilitate restoration marginal ridge contour.

Small parts under tension

- Be sure ring is securely seated in the forceps before introducing into the patient field.
- Be sure ring is securely seated apically before withdrawing forceps.

Step 6: Restorative Application

Use your preferred etching, disinfecting and bonding technique following manufacturer's instructions.

Apply your preferred restorative material following manufacturer's instructions.

Light cure and/or allow material to reach initial set.

Gross contouring may be accomplished with matrix in place.

Step 7: Removal

Remove Ring using forceps. Remove Wedge and Sectional Matrix using cotton dressing forceps or similar instrument.

Because of the superior contact achieved with the Waterpik® ClearView Ring, removal of the band may require a hemostat.

Step 8: Finishing

Finish contouring, verify proximal contact and polish the restoration.

HYGIENE:

Cleaning:

The Waterpik® ClearView ring placement forceps and ring may be cleaned by scrubbing with a disposable towel soaked with hot water and soap or detergent.

Disposal of Single-use components and Sterilization:



Cross-contamination

- Do not reuse used matrices or wedges.
- Do not attempt to sterilize used matrices or wedges.
- Properly dispose of the used and/or contaminated matrices or wedges in accordance with local regulations.

Sterilization:

Waterpik® ClearView Retaining Ring and Ring Placement Forceps should be steam autoclaved at 121°C for 15 minutes, followed by a 25 minute air drying time. Use of other sterilization procedures/methods is at the discretion and sole responsibility of the practitioner. It is not recommended to immerse components into disinfection or cold sterilization solutions. Allow Ring and Forceps to dry prior to storage. The forceps require no additional maintenance and should not be oiled or greased. Waterpik® ClearView Sectional Matrices and Wedges are supplied non-sterile and are for single use only. Sterilize for use by steam autoclaving, 121°C for 15 minutes, followed by a 25 minute air drying time.

LOT NUMBER:

The following numbers should be quoted in all communications with Water Pik, Inc.:

- Reorder Number
- Lot number on the package

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USA: (800) 525-2020
Canada: (888) 226-3042

www.waterpik.com/matrix

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