



QuickConnect™ Anatomy Band

Circumferential Matrix System

DIRECTIONS FOR USE – ENGLISH

Caution: For dental use only.
USA: Rx only.

1. PRODUCT DESCRIPTION

The QuickConnect Anatomy Band Matrix System is designed to be used as a matrix to contain direct-placement restorative materials in posterior cavities involving proximal surfaces. The QuickConnect Anatomy Band with integrated tightener/retainer allows matrix placement and retention without the need for bulky retainers allowing for ease of placement, better access, clear view of the operating field and greater patient comfort. Access for wedge placement (where indicated) is not hindered by an external retainer. The single-use, disposable QuickConnect Anatomy bands allow proper subgingival and proximal contact adaptation while protecting against cross-contamination.

1.1 INDICATION

The QuickConnect Anatomy Band Matrix System is indicated where placement of a matrix band around a prepared tooth will facilitate contouring of a direct placement restorative material (e.g., Class II preparations).

1.2 CONTRAINDICATIONS

None Known.

1.3 DELIVERY FORMS

QuickConnect Anatomy Bands are available in one thin gauge (thickness) in 3 heights: 4.5mm, 5.5mm, 6.5mm to fit a wide range of tooth sizes and shapes.

1.4 COMPOSITION

- Matrix Bands: Polished stainless steel.
- Dental Wedges: Polyacetyl Thermoplastic.
- Integrated tightener/retainer: Polyacetyl Thermoplastic.
- Carrier: 316 stainless steel.

2. GENERAL SAFETY NOTES

Be aware of the following general safety notes and the special safety notes in other chapters of these directions 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.

2.1 WARNINGS

1. The QuickConnect system consists of small, sharp parts. As with all intra-oral instruments, care must be exercised to ensure stable handling and placement. Placement of rubber dam or other suitable isolation is advised prior to operative procedures. Wear suitable protective eyewear and gloves.
2. Aspiration: If aspiration of band or any part occurs seek immediate medical attention.
3. Ingestion: If accidental swallowing occurs, encourage patient to seek medical assistance to locate swallowed part. If nausea or illness develop, seek medical attention immediately.
4. Laceration: QuickConnect Anatomy matrix bands are sharp, and may cut unprotected skin.
5. Handling bands with gloved hands is recommended. In the event a clean band causes a skin laceration, employ usual first aid measures. Discard and properly dispose of band.
6. Used matrix bands are contaminated. Follow proper exposure control plans. In the event of an accidental exposure, follow recommended post-exposure procedures. Following use of QuickConnect Anatomy bands, proper handling and disposal techniques are required. Used matrix bands are contaminated and sharp. When handling or disposing, use precautions as when handling or disposing other contaminated sharps.

2.2 PRECAUTIONS

1. This product is intended to be used only as specifically outlined in the Directions For Use. Any use of this product inconsistent with the Directions For Use is at the discretion and sole responsibility of the practitioner.
2. Devices marked "single use" on the labeling are intended for single use only. Discard after use. Do not reuse in other patients in order to prevent cross-contamination.
3. Avoid placing excessive pressure in an apical direction when placing or on placed bands. Apical force may result in injury to periodontal tissues. (See Warnings)
4. Only use the QuickConnect Carrier to tighten the QuickConnect Anatomy bands. (See Step-by-Step Instructions)

2.3 ADVERSE REACTIONS

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

2.4 STORAGE

Store QuickConnect Anatomy bands at room temperature, away from moisture or excessive humidity.

3. STEP-BY-STEP INSTRUCTIONS

3.1 PRE-OPERATIVE STERILIZATION

Carrier must be sterilized before each use. Matrices and wedges are intended for single use, and are not supplied sterile. If desired, these components may be sterilized one time by vacuum steam autoclaving, 132°C, 4 minutes, prior to clinical use. Paper/plastic steam sterilization pouches may be used, but are not required. Follow vacuum steam autoclave manufacturer's Instructions for Use for loading and operation cycle.

3.2 CAVITY PREPARATION

Complete cavity preparation as usual utilizing rubber dam or other suitable isolation technique. *Technique Tip:* Pre-wedging to achieve slight separation may facilitate matrix placement through tight contacts, especially on the intact side of the tooth being restored.

3.3 MATRIX SELECTION/PREPARATION-ENLARGING MATRIX CIRCUMFERENCE

There are three heights of matrix band. Push the carrier driver forward in the carrier sleeve to expand the carrier arms. Slide the carrier arms into the V-shaped grooves on the top and bottom of the plastic body of the retainer. This will cause the arms to lock onto the plastic body of the retainer. If necessary, rotate the swivel to the appropriate side for the working quadrant. To properly fit the tooth, matrix should be slightly larger than the occlusal circumference. Twist the Carrier driver counterclockwise to enlarge the loop, or clockwise to reduce the loop, if necessary.

3.4 POSITIONING MATRIX

Carefully slide matrix around tooth, through the interproximal embrasures using a downward oscillating motion.

Technique Tips:

To seat matrix in tight interproximal spaces – pre-wedging or a Separator ring on posteriors may gain temporarily required space.

To clear debris and facilitate seating – Use waxed floss or a soft wedge between tight interproximal embrasures.

3.5 TIGHTENING THE MATRIX

Stabilize the matrix with apical gentle finger pressure while tightening the matrix. Check to be sure gingival tissue is not trapped between band and tooth surface. If so, slightly lift and reposition band prior to tightening.

Tighten the Carrier driver by rotating it clockwise. When band is snug, and resistance is felt, STOP tightening. The band is properly subgingivally tightened. Push the Carrier driver inwards to detach the Carrier from the QuickConnect Anatomy Band.

3.6 PLACEMENT OF RESTORATIVE

Place wedges as desired (buccal and/or lingual).

Burnish is usually unnecessary as the bands already have good proximal curvature. Place desired restorative material as per restorative material manufacturer's directions for use.

3.7 REMOVING THE MATRIX

Following appropriate restorative curing/setting, remove any retaining rings and wedges, push the Carrier onto the QuickConnect Anatomy band and rotate the driver counterclockwise until matrix is loose. Bonding agents can cause the band to adhere to the composite so sliding a flat instrument between the band and the restoration can help to remove it. The band can also be cut in half with scissors. Remove the band taking care not to lacerate the gingivae.

Properly discard matrix. Technique Tip: It is advisable to "post-cure" light cured restorative materials following matrix removal from all surfaces, including proximo-facial and lingual line angles.

Small parts-ingestion/inhalation



- Ensure the band is attached to the Carrier pliers during withdrawal from the mouth.
- Recover all pieces from the mouth immediately.

4. HYGIENE



Cross-contamination

- Do not reuse single use products.
- Dispose of in accordance with local regulations.

Sterilization of matrices and wedges pre-use (if desired) and QuickConnect carrier (between each use) may be accomplished as outlined below:

Limitations on processing	Cold liquid immersion disinfection/sterilization, automated washer/disinfection have not been tested or validated for efficacy and are not recommended for use. Discard when corrosion and/or damage is noticed.
Packaging	Paper/plastic steam sterilization pouches may be used but are not required
Pre-cleaning	Remove coarse impurities from the QuickConnect Carrier as soon as possible after use with a soft brush and cold running water
Sterilization	Steam autoclaving: Pre-vacuum: Full cycle 132°C, 4 minutes Follow manufacturer's instructions for loading and operation cycle
Drying	Use the drying cycle of the autoclave, minimum 30 minutes.
Storage	Ensure the sterilized package is completely dry before storing. Store at room temperature, away from moisture or excessive humidity and ensure sterilization pouch/container is not compromised. Instruments steam autoclaved unwrapped should be used immediately.

CLEANING, DISINFECTING & STERILIZING

To disassemble the QuickConnect Carrier, apply firm pressure to push the Carrier Driver forward. This disassembles the Carrier, providing more thorough access for cleaning. Once you've finished cleaning, reassemble the QuickConnect Carrier by pressing the Carrier Driver firmly backwards until it audibly clicks into place.

LOT NUMBER AND CORRESPONDENCE

The following should be quoted in all correspondences:

- Lot number on the package
- Copy of proof of purchase

Any serious incident in relation to the product should be reported to the manufacturer and the competent authority according to local regulations.



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