






Sectional Matrix Bands: Select based on tooth height and restoration type

					
Slick XR Bands #	SXR100	SXR150	SXR175	SXR200	SXR300
Most commonly used for:	bicuspid	bicuspid with deep cervical preparations	bicuspid and small molars	molars	molars with deep cervical preparations

Rings:

The Composi-Tight 3DXR™ Soft Face™ Sectional Matrix Ring is an ultra-retentive matrix ring designed for use with short or malpositioned teeth, including areas between the canine and first bicuspid.

The orange Soft Face™ 3D-Ring will be the ring used in most circumstances because of its ease of placement and its ability to adapt to a wide variety of tooth anatomies while reducing flash and restoring proper contour.



The Composi-Tight 3DXR Sectional Matrix System is available in a variety of kit configurations. Kits may include both 3D and 3DXR matrix rings, Slick Bands™ non-stick matrix bands, and anatomically-designed, patient-friendly WedgeWands™. In addition, FenderWedge interproximal tooth shields, matrix band forceps, ring placement forceps, and a multi-function composite instrument may or may not be included in the kit.

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Composi-Tight 3D XR ❖❖

User instructions.

The Composi-Tight 3DXR™ Sectional Matrix System is designed to create tight, anatomical contacts on Class II composite restorations. The contoured sectional matrix bands create proper tooth anatomy while two styles of rings create the required tooth separation and band adaptation for a tight, natural contact.

Contents may be covered by multiple U.S. patents, patents pending and world wide patents pending.

Non-sterile, RX only, always use a rubber dam.

Technique for Class II restorations utilizing 3D or 3DXR Soft Face™ Rings

1. Place rubber dam. 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.
2. Place FenderWedge prior to preparation to pre-separate and protect the adjacent teeth. (figure 1) Prepare tooth with conservative Class II preparation. Once the preparation is complete, remove the FenderWedge and place your matrix.
3. Place contoured sectional matrix band. Select a matrix band that most closely approximates the occlusogingival height of the tooth. Over-approximate tooth curvature buccolingually by rolling the contoured band with your fingers. This will help keep the matrix band ends from interfering with the Soft Face™ 3D/3DXR Ring placement. The band should be oriented with the convex edge towards the gingival margin of the tooth. (figure 2)
4. Insert wedge. For optimal contour, gingival seal and tooth separation, use Garrison's Wedge Wands™ or other Garrison wedge. Keep a finger on the matrix band to prevent the wedge from dislodging the band during insertion. Wedge firmly, a high viscosity resin packed into the preparation may displace the band away from the tooth. (figure 3)
5. Apply the Soft Face™ 3D/3DXR-ring retainer by spreading it with the Composi-Tight Ring Placement forceps and placing it over the wedge (figure 4). NOTE: For secure gripping of ring tips to surface, dry teeth thoroughly before placement.
6. Very Important: push the matrix band firmly into contact with the adjacent tooth in the desired contact area.
7. Use your preferred etching, disinfecting and bonding technique following manufacturer's instructions. Apply your preferred composite resin following manufacturer's instructions.
8. Remove the Ring, wedge and band. Because of the superior contact achieved with Composi-Tight 3D/3DXR, removal of the band may require a Composi-Tight Matrix Forceps (model #BFA-1) or hemostat. This is especially true with particular bonding agents that preferentially bond to metal. For easier removal choose Slick Bands™.
9. Contour and polish the restoration.



figure 1



figure 2



figure 3



figure 4

Stacking of Rings & MOD Restorations

Both the Composi-Tight 3D and 3DXR Soft-Face™ Ring (blue tip) and the 3D Soft-Face™ Ring (orange tip) are angled to allow stacking of rings for performing M.O.D.s and multiple-tooth restorations. Either ring may be stacked over the other, and in any combination. (figure 5)

*(Garrison part number AUMRDF-100 Ring Placement Forceps will hold the rings more securely and provide ample force to open the rings. NOTE: Most rubber dam clamp forceps will not open the 3D-Rings far enough to allow placement.)



figure 5

Important Cleaning and Sterilization Instructions:

Composi-Tight 3D & 3DXR™ Soft Face™ rings maintain their strength and appearance by using the following cleaning and sterilization procedure: Follow recommended regulatory guidelines for ultrasonic pre-sterilization. DO NOT use solutions containing acetone or ketone. Steam autoclave sterilization only.

Sectional Matrix Bands: Matrix bands are single use disposable items. Sterilization prior to use is recommended and can be performed using any common sterilization equipment or chemicals.

Instruments & Forceps: - Instruments may be dry heat sterilized, chemically, steam autoclaved or cold sterilized following the sterilization unit manufacturer's instructions.

Wedges: Wedges are single use, disposable items. Spray disinfect only. Do not autoclave.

For complete sterilization instructions go to: garrisdental.com/sterilization