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Made in the U.S.A.

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Composi-Tight®
Sectional Matrix System

Description: The Composi-Tight® Sectional Matrix System with patented G-Ring® retainers facilitates the easy implementation of tight, anatomically correct contacts for Class II and MOD posterior composite restorations.

B050
Pedodontic



For primary molars

50/pack
(not included in kit)

B100
Small



*For bicuspids
and small molars*

100/pack

B150
Extended Small



*For bicuspids and
small molars with
deep cervical
preparations*

50/pack
(not included in kit)

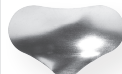
B200
Standard



*For a majority of molar
preparations*

100/pack

B300
Large



*For deep cervical
preparations*

50/pack

G100



Standard length tines
3/pack

G200



Long length tines
3/pack



Figure 1



Figure 2



Figure 3



Figure 4A



Figure 4B



Figure 5

Technique for Class II Restorations:

- 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) Prepare tooth with conservative Class II preparation.** Make sure that the contact with the adjacent tooth has been completely broken. This will facilitate the placement of the matrix band. If you elect to not break the contact, place the G-Ring® prior to preparing the tooth. This should provide the tooth separation needed to place the matrix band.
- 3) Place contoured sectional matrix band.** Over-approximate tooth curvature by rolling the contoured band with your fingers (Figure 1). This will help keep the matrix band ends from interfering with G-Ring® placement. The band should be oriented with the concave edge towards the occlusal margin of the tooth. Because of the three-dimensional contour of the band, placing it by dropping it in from the occlusal may cause the band to hang up on the gingival margin. If this occurs, use a thin-bladed instrument in the preparation to push the matrix band past the margin. Alternatively, place the band by sliding it into place from the side and wedge in place. A high viscosity resin packed into the preparation will be trying to displace the band away from the tooth so wedge firmly (Figure 2).
- 4) Apply G-Ring® retainer.** Spread the G-Ring® with a Ring Placement Forceps* or a rubber dam clamp forceps and place over the band (Figure 3). Place the tines of the G-Ring® between the matrix band and the wedge whenever possible. This will secure the matrix band and provide ample tooth separation (Figure 4a). However, tines can be placed on the opposite side of the wedge in restorations with large buccal or lingual extensions (Figure 4b).
- 5) Burnishing the band. Very important:** burnish the band against the adjacent tooth to make sure there is no spring-back of the band. This will ensure excellent contact.
- 6) Use your preferred bonding technique.**
- 7) Apply your preferred composite resin.** Incrementally apply and cure the composite resin in 2mm thick applications to assure a full cure of the restoration.
- 8) Remove the G-Ring®, wedge and band.** Because of the superior contact achieved with the Composi-Tight system, removal of the band requires a Band Placement and Removal forceps, Howe Pliers or hemostat.
- 9) Contour and polish the restoration.**

Technique of M.O.D. Restorations:

- 1) Prepare the tooth as in steps 1 and 2 above.**
- 2) Place and wedge two bands on both sides of the tooth being restored.**
- 3) Apply the G-Rings®.** Place a ring with standard length tines on the mesial interproximal area. Secondly place a ring with long tines on the distal interproximal area (Figure 5).
- 4) Complete the procedure as outlined in steps 5-9 for Class II restorations above.**

Notes for multiple-tooth restorations:

- G-Rings® with differing tine lengths may be used as outlined above for M.O.D. restorations.
- If back-to-back restorations are performed on adjacent teeth, one must be filled and cured first. Subsequently, the adjacent band may be burnished against the now hardened restoration to provide a tight contact.

* (Garrison Dental Solutions part number MRDF-100 Ring Placement Forceps will hold the rings more securely and provide ample force to open the rings. Some rubber dam clamp forceps may not open the G-Rings far enough to allow placement.)