

DualForce™ Sectional Matrix System

INSTRUCTIONS FOR USE

CLINICAL TIP: Prior to tooth preparation, pre-wedge using a DualForce Active-Wedge. Not only will this provide some protection from accidental bur contact with the adjacent tooth during preparation, but it will start the process of gently separating the teeth, negating the need to break the contact.

1. Place the DualForce Ultra-Wrap Matrix Band.

If you have pre-wedged, remove the DualForce Active-Wedge. Grasp the occlusal tab of a DualForce Ultra-Wrap Matrix Band using the DualForce Punch Pliers (included in the DualForce Complete Kit or sold separately). Make sure that the DualForce Ultra-Wrap Matrix Band is centered bucco-lingually and that the marginal ridge of the band is at the appropriate height.

CLINICAL TIP: The DualForce Punch Pliers have been designed to firmly hold the Ultra-Wrap Matrix Band for placement by opening them and letting them close without hand pressure.

2. Place the DualForce Active-Wedge to seal the DualForce Ultra-Wrap Matrix Band.

Using cotton pliers, insert the largest DualForce Active-Wedge that will slide interproximally to create a tight seal of the matrix to the tooth at the gingival margin of the proximal box. In deep caries cases, use the DualForce Active-Wedge #5 (black) with the bubble side toward the proximal box of the preparation.

3. Place the DualForce Ring.

Securely insert the DualForce Ring Forceps into the chosen DualForce Ring's engagement slots. The green DualForce Molar Ring is recommended for most molar Class II restorations, while the orange DualForce Pre-molar Ring is suitable for most premolar applications or in situations where greater separation force is required. Open the ring so it can be easily placed over the wedge and engage the DualForce Ultra-Wrap Matrix Band, trapping it between the ring's interproximal separating prongs and the tooth. Use your finger to lightly press on the ring to seat it fully. When placed properly, DualForce Rings will sit at a 20° angle to the occlusal plane. This design feature maximizes separation force and prevents rubber dam clamp/adjacent tooth interference.

4. Place the Restoration.

Make sure the DualForce Ultra-Wrap Matrix Band is in contact with the adjacent tooth and seals the entire margin of the proximal box. Burnish, if necessary. Place and cure your preferred adhesive and composite as per the manufacturer's recommendations.

5. Remove the DualForce Ring, Active-Wedge, and Ultra-Wrap Matrix Band.

Remove the DualForce Ring using the DualForce Ring Forceps and the DualForce Active-Wedge using cotton pliers. DualForce Punch Pliers are used to remove the DualForce Ultra-Wrap Matrix Band. For easy band removal, punch a hole anywhere on the matrix band by pressing firmly on the forward section of the DualForce Punch Pliers.

OTHER INFORMATION

INDICATIONS: Matrix tool intended to be used as a medical device or an accessory to a medical device for the purpose of assisting with composite placement during dental restorative procedures.

SAFETY: To offer your patients the safest, most comfortable procedure possible, carefully read the enclosed instructions and watch the tutorials on the website prior to use.
NOTE: Please check www.DualForceMatrix.com to find the most recently updated instructions and tutorials.

WARNINGS: The DualForce Sectional Matrix System contains small, sharp components. Use of a rubber dam is mandatory to prevent inhalation of parts. Use of gloves and/or pliers are recommended to prevent lacerations.

ASPIRATION: Seek immediate medical attention if any part is inhaled.

LACERATION: If laceration occurs by a clean matrix, use appropriate first aid measures and then discard the matrix according to local regulations. If laceration occurs by an unclean matrix, recommended post-exposure procedures should be taken in addition to the appropriate first aid treatment.

HANDLING: To protect patients from injury, please take care to remain in full control of all instruments at all times. Use ONLY accessory tools designed, supplied, and/or outlined for use with the DualForce Sectional Matrix System as listed in the instructions.

PRECAUTIONS: The DualForce Sectional Matrix System offers instructions for using these products. Any use not specified in the instructions is not recommended and will be the responsibility of the attending practitioner.

PLEASE NOTE: the DualForce Rings are under tension. Make sure that they are appropriately placed on the forceps prior to insertion and that they are seated firmly prior to removing the forceps.

STORAGE: Store in a clean, dry environment at temperatures between 10-24°C/50-75°F, away from sunlight, moisture, excess humidity, flame or sources of ignition. Used tools and materials are contaminated. Appropriate precautions should be taken to clean and/or discard according to standard procedures for sharps.

HYGIENE: AVOID CROSS CONTAMINATION. DualForce Matrices and Active-Wedges are single use ONLY and should be appropriately disposed of in accordance with local regulations.

PRE-STERILIZATION: Rinse any contaminants from the DualForce Ring. Use warm water and a soft nylon brush to gently wash the DualForce Ring and then rinse in warm water.

ULTRASONIC CLEANING: Most ultrasonic cleaning solutions will not affect the DualForce Ring; however, some solutions may cause ring discoloration, which is cosmetic only. If discoloration is a concern, rings can be placed in a beaker with a water/detergent solution and then placed in the ultrasonic cleaner which will prevent the rings from contact with the chemicals.

AUTOMATED WASHER/DISINFECTOR: DualForce Rings can also be reused by cleaning them in a washer/disinfector. Only properly maintained, calibrated, and approved washer/disinfectors should be used in accordance with ISO 15883-1. Place tools in the washer/disinfector in such a manner as to allow the water and detergent to enter and drain from device openings. Follow washer/disinfector's Instructions for Use. Run washer/disinfector program with A0 value ≥3000 (e.g. 5 min at ≥90°C) using appropriate detergents. Tools can be reprocessed by washer/disinfector up to 500 times.

RECOMMENDED STERILIZATION: To ensure proper sterilization, all instruments should be steam-autoclaved at 134°C/273°F for at least 3 minutes. DualForce Rings should not be left in the autoclave for long periods as this may result in staining from the autoclave itself.

PLEASE NOTE: DO NOT use chemical sterilization techniques; the warranty will be voided if chemical sterilization is used. Sterilization methods other than steam are NOT recommended by the manufacturer and, if used, are the sole responsibility of the practitioner.

POST STERILIZATION: Allow tools to fully dry prior to storage. Forceps do not require further maintenance and should not be oiled or greased.

