

The background features a large, abstract circular graphic on the right side, containing a blurred image of a sunset or sunrise over water. The overall design uses a color palette of light greys, soft oranges, and pinks, with geometric shapes and patterns.

**Garrison**<sup>®</sup>  
Dental Solutions

**Putting ideas**  
*into practice*

Catalogue EN **2023**

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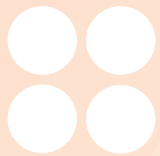
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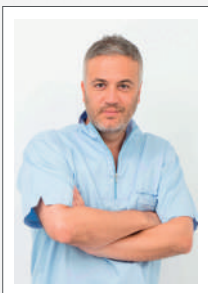
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## Case Study

### Direct restorations with the new Garrison 3D Fusion Sectional Matrix System

**Dr Giuseppe Marchetti**

Dental Clinic Marchetti Parma, Italy

Over time, the creation of restorations in the posterior region has been easier to implement thanks to the use of modern composite materials. These materials lend themselves to optimal modeling. When used in conjunction with an innovative new sectional matrix system made up of sectional matrix bands, separator rings and wedges, they allow for the proper restoration of the cervical and contact areas. These two areas are critical to the long-term success of the restoration.

The wedge and separator ring properly compress the matrix band against the tooth to seal it without deforming it. The improvements made by Garrison to the matrix, wedge and ring system bring direct restorations to the modern age in a more linear and feasible way for everyone.

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1 Pre-operative image of 35 and 36 where two direct composite restorations will be performed



2 After mounting the rubber dam, the primary and secondary caries are removed, and the cavity is prepared



3 Application of the new Garrison matrix system and a Garrison wedge equipped with wings to better allow the perfect closure of the matrices at the cervical level



4 Positioning of the new Garrison ring



5 Details of positioning the new Garrison ring



6 Details of the newly reconstructed interproximal surfaces. Note the perfect anatomy along with the wide and sustained contact area



7 Details of the interproximal surfaces and the newly reconstructed marginal ridges, seen from another angle



8 The completed restorations after the anatomical layering of the composite materials and their characterization with stains



9 Details of the completed restorations before finishing and polishing



10 The completed restorations after finishing and polishing



11 Details of the precision and morphologies of the restorations



12 Details of the precision and morphologies of the restorations



13 The two restorations in occlusal view immediately after the removal of the rubber dam and before rehydration



14 The restorations after rehydration. Note the good morphological and chromatic integration

# Composi-Tight® 3DFusion™

## Sectional Matrix System



### The new Composi-Tight® 3D Fusion™ green ring for wide preps

This ring is great for wide embrasures, and holds even when a cusp is missing. The broad silicone tips prevent the matrix band from being squashed into the cavity.

**Part.nr. FX600 (2 pcs / pack)**



### The orange Composi-Tight® 3D Fusion™ ring now with retentive tips

Ultra-Grip™ retentive tips prevent slipping on all Composi-Tight® 3D Fusion™ rings. The improved form makes opening and placing the ring much easier. It also holds on large molars.

**Part.nr. FX500 (2 pcs / pack)**



### The popular blue Composi-Tight® 3D Fusion™ ring is now even easier to open

The new ring gives improved adaptation to the marginal ridge anatomy because of the soft silicone tips. It works very well on short and malpositioned teeth, and holds on top of a rubber dam clamp or between canine and first premolar.

**Part.nr. FX400 (2 pcs / pack)**

*watch the video of the technique*



Part Nr.	Description
FX600	Composi-Tight® 3D Fusion™ Ring Wide Prep green 2 rings/pack
FX600-1	Composi-Tight® 3D Fusion™ Ring Wide Prep green 1 ring
FX500	Composi-Tight® 3D Fusion™ Ring Tall orange 2 rings/pack
FX500-1	Composi-Tight® 3D Fusion™ Ring Tall orange 1 ring
FX400	Composi-Tight® 3D Fusion™ Ring Short blue 2 rings/pack
FX400-1	Composi-Tight® 3D Fusion™ Ring Short blue 1 ring
FXR01	Kit of all 3 rings (1x green, 1x orange and 1x blue)
FXP01	Composi-Tight® 3D Fusion™ Ring Placement Forceps

**STERILIZE THE RINGS ONLY IN THE AUTOCLAVE**  
See instructions on pag. 35

What we  
**IMPROVED:**

# Composi-Tight® 3DFusion™

Sectional Matrix System

Long lasting thanks to the new manufacturing method.



Best separation of the teeth at interproximal level

**Ultra-Grip™** retention extensions prevent the ring from jumping off or sliding.

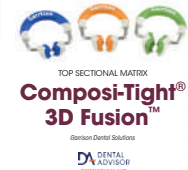
The first ring with extra large **silicone extensions** for wide preparations.

**Soft-Face™** tips with enhanced marginal ridge anatomy hug matrix bands to teeth.



*wide preparations  
green ring*

The Award Winning



# Composi-Tight® 3DFusion™

## Firm Matrix Bands

*watch the video  
of the technique*



FX-HHF-00

The new, more rigid **Composi-Tight® 3D Fusion™ Firm matrices** resist deformation almost 70% more than the other matrices, maintaining a super-thin thickness of 0,038 mm.



Part Nr.	Description
<b>FX-HHF-00 Kit intro</b>	1 Composi-Tight® 3D Fusion™ Ring Short blue 1 Composi-Tight® 3D Fusion™ Ring Tall orange 1 Composi-Tight® 3D Fusion™ Ring Wide Prep green 80 Assorted Composi-Tight® 3D Fusion™ Wedges in 4 sizes 70 Assorted Composi-Tight® 3D Fusion™ Firm Bands in 5 sizes 1 Composi-Tight® 3D Fusion™ Ring Placement Forceps
<b>FX-HHF-40</b>	1 Composi-Tight® 3D Fusion™ Ring Short blue 1 Composi-Tight® 3D Fusion™ Ring Tall orange 1 Composi-Tight® 3D Fusion™ Ring Wide Prep green 40 Assorted Composi-Tight® 3D Fusion™ Wedges in 4 sizes 40 Assorted Composi-Tight® 3D Fusion™ Firm Bands in 5 sizes 1 Composi-Tight® 3D Fusion™ Ring Placement Forceps
<b>FX-HHF-50</b>	1 Composi-Tight® 3D Fusion™ Ring Short blue 1 Composi-Tight® 3D Fusion™ Ring Tall orange 40 Assorted Composi-Tight® 3D Fusion™ Wedges in 4 sizes 40 Assorted Composi-Tight® 3D Fusion™ Firm Bands in 5 sizes 1 Composi-Tight® 3D Fusion™ Ring Placement Forceps
<b>FX-HHF-00 VM</b>	1 Composi-Tight® 3D Fusion™ Ring Short blue 1 Composi-Tight® 3D Fusion™ Ring Tall orange 1 Composi-Tight® 3D Fusion™ Ring Wide Prep green 80 Assorted Composi-Tight® 3D Fusion™ Wedges in 4 sizes 70 Assorted Composi-Tight® 3D Fusion™ Firm Bands in 5 sizes 1 Composi-Tight® 3D Fusion™ Ring Placement Forceps 4 Anterior bands VariStrip™ 5 Margin Elevation Bands

# Composi-Tight® 3DFusion™

## Firm Matrix Bands



watch  
the video

	Bicuspid	Bicuspid with deep cervical preps	Bicuspid and small molars	Molars	Molars with deep cervical preps
Composi-Tight® 3D Fusion™ Firm matrix bands with eZ-Place™ technology for easier placement.					
thickness 0,038 mm					
<b>Bulk Part Nr.</b> height qty per pack	<b>FXH100</b> 4,3 mm 100 pcs.	<b>FXH150</b> 6,0 mm 100 pcs.	<b>FXH175</b> 5,3 mm 100 pcs.	<b>FXH200</b> 6,1 mm 100 pcs.	<b>FXH300</b> 7,7 mm 100 pcs.
<b>Standard Part Nr.</b> height qty per pack	<b>FXH100-M</b> 4,3 mm 50 pcs.	<b>FXH150-M</b> 6,0 mm 50 pcs.	<b>FXH175-M</b> 5,3 mm 50 pcs.	<b>FXH200-M</b> 6,1 mm 50 pcs.	<b>FXH300-M</b> 7,7 mm 50 pcs.

New  
**eZ-Place™**  
Technology

New **Composi-Tight® 3D Fusion™** Firm matrix bands with **eZ-Place™** technology maintain their shape during placement making them *significantly easier* to insert!

### Perfect for:

- Tight interproximal spaces!
- More conservative preps!
- First-time users and veterans alike!

### Fusion Firm:

- Nearly 70% better at resisting deformation!
- Super-thin at only 0.038 mm
- Five ideal sizes!



Part Nr.	Description
<b>FXHB04</b>	Assorted Band Kit: 5 sizes, 300 pcs.
<b>FXHB05</b>	Assorted Band Mini Kit: 5 sizes, 150 pcs.
<b>BFA-1</b>	Matrix Forceps

# Composi-Tight® 3DFusion™

## Sectional Matrix System



The new Composi-Tight® 3D Fusion™ Sectional Matrix System provides the solution for all Class II cavities.

Soft-Face™ silicone tips with enhanced marginal ridge anatomy hug the matrix band to the tooth for perfect contact points and flash free restorations.



*watch the video  
of the technique*

Part Nr.	Description
<b>FX-KFF-00 Starter Kit</b>	1 Composi-Tight® 3D Fusion™ Ring Short blue 1 Composi-Tight® 3D Fusion™ Ring Tall orange 1 Composi-Tight® 3D Fusion™ Ring Wide Prep green 80 Composi-Tight® 3D Fusion™ Wedges, 4 sizes 70 Composi-Tight® 3D Fusion™ Matrix Bands, 5 sizes 1 Composi-Tight® 3D Fusion™ Ring Placement Forceps
<b>FX-KFF-50</b>	1 Composi-Tight® 3D Fusion™ Ring Short blue 1 Composi-Tight® 3D Fusion™ Ring Tall orange 1 Composi-Tight® 3D Fusion™ Ring Wide Prep green 40 Composi-Tight® 3D Fusion™ Matrix Bands, 5 sizes 40 Composi-Tight® 3D Fusion™ Wedges, 4 sizes 1 Composi-Tight® 3D Fusion™ Ring Placement Forceps
<b>FX-KFF-00 VM</b>	1 Composi-Tight® 3D Fusion™ Ring Short blue 1 Composi-Tight® 3D Fusion™ Ring Tall orange 1 Composi-Tight® 3D Fusion™ Ring Wide Prep green 80 Composi-Tight® 3D Fusion™ Wedges, 4 sizes 70 Composi-Tight® 3D Fusion™ Matrix Bands, 5 sizes 1 Composi-Tight® 3D Fusion™ Ring Placement Forceps 4 Anterior bands VariStrip™ 5 Margin Elevation Bands





# Composi-Tight® 3D Fusion™

Full Curve Non-Stick Matrices

## Fits any tooth shape!

**Wrap it up** - Full Curve bands wrap further around the tooth out of the way, making ring placement easier.

**Keep tabs on them** - An occlusal placement Grab-Tab™ gives you excellent control with any placement instrument you choose.

**Go deep or wide** - Improved subgingival extensions and added wrap-around length mean improved results on those more challenging restorations.

**Easy in** - Their advanced curved form improves structural rigidity, making them our easiest-to-place band ever.

**Easy out** - Composi-Tight® 3D Fusion™ Full Curve matrices wouldn't be complete without the Slick Bands™ non-stick coating invented by Garrison.



*watch the video  
of the technique*

	premolars	premolars with deep cervical preparations	premolars and small molars	molars	molars with deep cervical preparations
Composi-Tight® 3D Fusion™ Bands					
thickness 0,038 mm					
<b>Bulk</b> Part Nr. height quantity	<b>FX100</b> 4,4 mm 100 pcs.	<b>FX150</b> 6,0 mm 60 pcs.	<b>FX175</b> 5,6 mm 100 pcs.	<b>FX200</b> 6,6 mm 100 pcs.	<b>FX300</b> 8,7 mm 60 pcs.
<b>Standard</b> Part Nr. height quantity	<b>FX100-M</b> 4,4 mm 50 pcs.	<b>FX150-M</b> 6,0 mm 30 pcs.	<b>FX175-M</b> 5,6 mm 50 pcs.	<b>FX200-M</b> 6,6 mm 50 pcs.	<b>FX300-M</b> 8,7 mm 30 pcs.

Part Nr.	Description
FXB02	Composi-Tight® 3D Fusion™ Bands Kit 210 pieces (50 pcs. each FX100, FX175 and FX200 and 30 pcs. each. FX150 and FX300)
BFA-1	Matrix Forceps

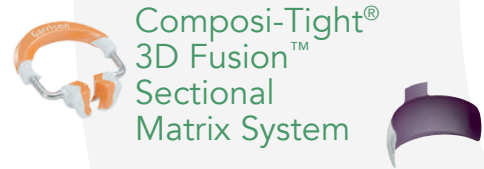
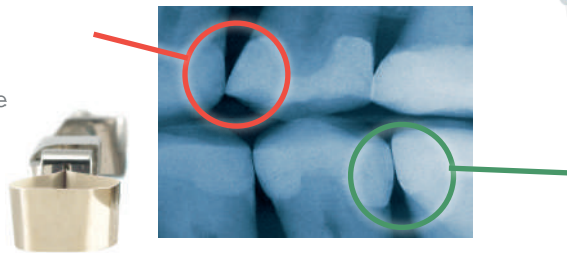


Full bands kit including all sizes of **Composi-Tight® 3D Fusion™** with 210 bands  
FXB02

# Only a sectional matrix can deliver results like this!

## Tofflemire-style System

- ❌ Fails to restore proximal anatomy
- ❌ Thin contact at the marginal ridge
- ❌ Large food trap below
- ❌ Increased likelihood of fracture, occlusal interference, recurrent caries and periodontal disease



- ✓ Operator-friendly retaining system
- ✓ Naturally contoured bands
- ✓ Anatomically correct contacts
- ✓ Contacts at the height of contour
- ✓ Rings produce optimal tooth separation for excellent, tight contacts

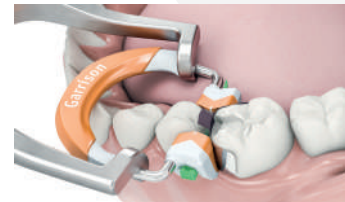
## Only Composit-Tight® 3D Fusion™ can make the technique this intuitive and frustration free!



- 1 Place the matrix band:** Dead-soft three dimensionally contoured matrices have placement tabs for easier occlusal placement and Garrison's revolutionary non-stick coating for hassle-free removal.



- 2 Wedge firmly:** Composit-Tight® 3D Fusion™ Ultra-Adaptive wedges glide in but won't back out. Their soft, flexible exterior readily adapts to interproximal irregularities for a superior gingival seal.



- 3 Place the ring:** All three Composit-Tight® 3D Fusion™ separator rings will fit right over the wedge for easier placement. With Ultra-Grip™ retention extensions, they will stay firmly in place from the distal of the canine to the widest of molar preparations.

# Composi-TightGold®

The second generation **Composi-Tight® System** still loved by many dentists.



Part Nr.	Description	Qty
AU400	G-Rings™ Standard Length Tines	3/pcs.
AU500	G-Rings™ Long Length Tines	3/pcs.
AUMRDF-100	Ring Placement Forceps	

# Composi-Tight®

Our **original system** that set the standard for tight, anatomical contacts.

Part Nr.	Description	Qty
G100	G-Ring™ Standard	3/pcs.
G200	G-Ring™ Long Length Tines	3/pcs.
AUMRDF-100	Ring Placement Forceps	






## Composi-Tight Gold® Matrix Bands

Composi-Tight Gold 0,035 mm thick	AU050	AU100	AU150	AU200	AU300
Most commonly used for:	pediatric	premolars	premolars with deep cervical preparations	molars	molars with deep cervical preparations
<b>height</b>	3.2 mm	4.6 mm	3.8 mm	6.4 mm	6.4 mm
<b>amount per pack</b>	50 pcs.	100 pcs.	50 pcs.	100 pcs.	50 pcs.



Composi-Tight 0,035 mm thick	B050	B100	B150	B200	B300
Most commonly used for:	pediatric	premolars	premolars with deep cervical preparations	molars	molars with deep cervical preparations
<b>height</b>	3.2 mm	4.6 mm	3.8 mm	6.4 mm	6.4 mm
<b>amount per pack</b>	50 pcs.	100 pcs.	50 pcs.	100 pcs.	50 pcs.






## FXH Series

	Pediatric	Bicuspid	Bicuspid with deep cervical preps	Bicuspid and small molars	Molars	Molars with deep cervical preps
Composi-Tight® 3D Fusion Firm™	Matrices Composi-Tight® 3D Fusion™ Firm					
thickness 0,038 mm						
Part. n. height	NA	FXH100 4,3 mm	FXH150 4.3 mm w/ext 5.9 mm	FXH175 5,3 mm	FXH200 6,1 mm	FXH300 4.3 mm w/ext 5.9 mm




## FX Series

Composi-Tight® 3D Fusion™	Matrices Composi-Tight® 3D Fusion™				
thickness 0,038 mm					
Part. n. height	NA	FX100 4.0 mm	FX150 4.1 mm w/ext 6.0 mm	FX175 5.0 mm	FX200 5.4 mm
					
					FX300 6.0 mm w/ext 8.7 mm







## SXR Series

Slick Bands™ XR	Matrices Slick Bands™ XR				
thickness 0,038 mm					
Part. n. height	NA	SXR100 4,6 mm	SXR150 3.8 mm w/ext 5.4 mm	SXR175 5,4 mm	SXR200 6,4 mm
					
					SXR300 6.4 mm w/ext 8.6 mm



## MC Series

Composi-Tight® 3D Clear	Matrices Composi-Tight® 3D Clear				
thickness 0,050 mm					
Part. n. height	NA	MC100 5,0 mm	NA	MC175 5,9 mm	MC200 6,8 mm
					NA

## M Series

	Pediatric	Bicuspids	Bicuspids with deep cervical preps	Bicuspids and small molars	Molars	Molars with deep cervical preps
<b>Composi-Tight*</b>	Composi-Tight* bands are contoured in 3 dimensions to provide an accurate contact at the tooth's natural height of contour.					
thickness 0,035 mm						
Part. n. height	<b>M050</b> 3.2 mm w/ext 4.2 mm	<b>M100</b> 4,6 mm	<b>M150</b> 3.8 mm w/ext 5.4 mm	<b>M175</b> 5,4 mm	<b>M200</b> 6,4 mm	<b>M300</b> 6.4 mm w/ext 8.6 mm

## AU Series

	The Gold bands are the same as the Composi-Tight* bands.					
thickness 0,035 mm						
Part. n. height	<b>AU050</b> 3.2 mm w/ext 4.2 mm	<b>AU100</b> 4,6 mm	<b>AU150</b> 3.8 mm w/ext 5.4 mm	NA	<b>AU200</b> 6,4 mm	<b>AU300</b> 6.4 mm w/ext 8.6 mm

## B Series

	The original bands have a slightly shorter length.					
thickness 0,035 mm						
Part. n. height	<b>B050</b> 3.2 mm w/ext 4.2 mm	<b>B100</b> 4,6 mm	<b>B150</b> 3.8 mm w/ext 5.4 mm	NA	<b>B200</b> 6,4 mm	<b>B300</b> 3.8 mm w/ext 5.4 mm

*New*

Now order conveniently  
through our online shop at  
[www.garrisdental.com](http://www.garrisdental.com)

# SlickBands™

## Tofflemire-style

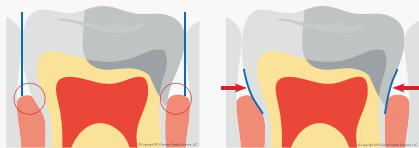
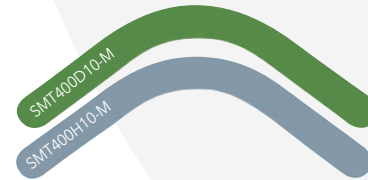
**Non-stick technology** developed by Garrison: Modern bonding agents can adhere to uncoated matrix bands. Slick Bands™ slide right out.

A margin elevation matrix will give you the best gingival adaptation and contour for the deep margin areas. The margin elevation matrix is trimmed in height to allow improved adaptation to deep margin areas.

**Tighter gingival seal** is beneficial for all restorations.

The increased curvature of the all-new **Right-Curve™ matrix band** produces outstanding gingival seal and reaches over to adjacent teeth easier for broader, deeper contacts.

This creates a significantly increased funnel-shaped cone when wrapped around a tooth. It's the right choice for many restorations.



Normal Tofflemire Band

Margin Elevation Band

### Slick Bands™ Refills

Part Nr.	Description	Qty
<b>Dead-soft bands with non-stick coating (green)</b>		
SMT400D10-M	Right-Curve™ Band	50/pcs.
<b>Regular bands with non-stick coating (gray)</b>		
SMT400H10-M	Right-Curve™ Band	50/pcs.
<b>Margin Elevation bands with non-stick coating (blue)</b>		
SMT500H10-M	Margin Elevation Band	50/pcs.
SMT500S01	Margin Elevation Band	20/pcs.

# Composi-Tight® 3D Fusion™ Ultra Adaptive Wedges

Combining **Soft-Face™** adaptive materials, a firm inner core and advanced mechanical features to produce a wedge that truly works. Every time.



FXK4-M

## Composi-Tight® 3D Fusion™ Wedges

Kit	Description	Qty
FXK4-M	Composi-Tight® 3D Fusion™ Wedge Kit 50 pcs. each color	200/pcs.
FXK4	Composi-Tight® 3D Fusion™ Wedge Kit 100 pcs. each color	400/pcs.
Refills	Description	Qty
FXYL-M	X-Small yellow refill	50/pcs.
FXBL-M	Small blue refill	50/pcs.
FXOR-M	Medium orange refill	50/pcs.
FXGR-M	Large green refill	50/pcs.

100 pcs. package available

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### Get a grip.

The universal gripping block gives you absolute control of the wedging process whether you're using a cotton pliers, hemostat or "pin" tweezers. Use what you like - Composi-Tight® 3D Fusion™ has you covered.

### No pain - all gain.

The upturned ski-like tip and soft radius edges glide over the rubber dam or papilla for trauma free insertion.

### Fins done right.

Soft retentive fins smoothly fold down during wedge insertion and then spring back when clear of the interproximal space. Wedge back-out is a thing of the past.

### Tough on the inside.

The firm inner skeleton allows for easy insertion and tooth separation just like a traditional wedge.

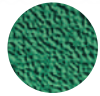
### A real softie.

Composi-Tight® 3D Fusion's Soft-Face™ over-mold allows the wedge to do what no other wedge can truly do - actually adapt to interproximal irregularities.

*watch the video  
of the technique*



**Garrison**  
Dental Solutions

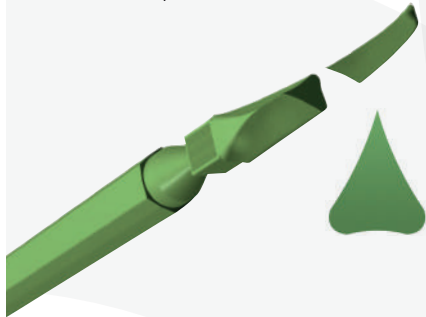


**Stays put.** Back-out is prevented by the textured wedge body and gradual side taper.

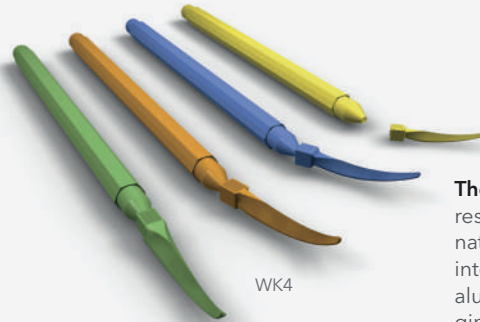
**Gentle touch.** The ski-like tip prevents the wedge from digging into the rubber dam or papilla during insertion, and the soft radius edges prevent trauma during insertion and removal.

**Snug fit.** Adapts naturally to the contours of the teeth with the pliant plastic material.

**A sure seal.** Every angle and plane is a continuous curve to mimic interproximal anatomy.



# WedgeWands™



GWAK4

**The A+ Wedge™ controls gingival bleeding** making restorations cleaner and quicker. In addition to adapting naturally to the contours of the teeth and mimicking interproximal anatomy, the A+Wedges™ are coated with aluminum sulfate that has an astringent effect on the gingiva.

The wedges are designed to prevent back-out and are long enough to allow for proper matrix ring placement.

Kit	Description	Qty
WK4	Wedge Wands™ Kit 100 each. size	400/pcs.

Refills	Description	Qty
SWYL	X-Small yellow refill	100/pcs.
SWBL	Small blue refill	100/pcs.
SWOR	Medium orange refill	100/pcs.
SWGR	Large green refill	100/pcs.

Kit	Description	Qty
GWAK4	A+ Wedge™ Kit 50 each. size	200/pcs.

Refills	Description	Qty
GWAYL	X-Small yellow refill	100/pcs.
GWABL	Small blue refill	100/pcs.
GWAOR	Medium orange refill	100/pcs.
GWAGR	Large green refill	100/pcs.





## Case Study

### Direct composite restoration to replace a previous incongruous restoration

#### Dr Daniele Gensini

A young male patient who had previously undergone an incongruous composite restoration on the right upper central incisor comes to my observation. The patient reports that the restoration was performed following a coronal trauma fracture and the tooth still responds positively to the vitality tests. The request is to replace the old restoration with a direct approach, restoring the appropriate shape and color by remaking a new restoration that integrates well into the oral cavity. The choice fell on Varistrips as they are matrices that adapt very well to the cavity margins, adequately recreate the lost anatomy to be restored, and being transparent they ensure optimal operational visual control and an effective passage of light during the polymerization phase of the restorative material. Furthermore, by doing this, the advantage of having a perfectly smooth and already polished proximal surface is obtained, which requires very limited retouching.

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1 Intraoral view of the initial case



2 Cavity surface prepared and finished



3 Accurate adaptation of the composite to the cavity margin prior to the polymerization phase



4 Positioning of the Varistrip matrix appropriately cut and stabilized with a wooden wedge to recreate the proximal mesial surface



5 Adaptation of the matrix to the composite material to adequately recreate the correct profile of the proximal surface



6 Once the distal surface has been reconstructed in the same way, the peripheral box is completed with the definition of the conformation of the new restoration



7 Finished and polished restoration



8 Final check after rehydration

# BlueView VariStrip™

Contoured Anterior Matrices

The **Blue View VariStrip™** is a revolutionary contoured anterior matrix providing the optimum curvature and band height for virtually every anterior restoration. The 0.05 mm thin plastic anatomical strip is tapered from one end to the other.

You can place the strip interproximally and then slide it until the tooth height is perfectly matched. The pre-contouring easily recreates the occluso-gingival anatomy, avoiding flat embrasures.

**Curved Form:** Provides the optimum curvature and band height for virtually every anterior restoration.

**Blue Tint:** Provides contrast between matrix and tooth structure without compromising composite polymerization.

Part Nr.	Description	Qty
VS01	VariStrip™	100/pcs.
VS02	VariStrip™	50/pcs.
VS03	VariStrip™	20/pcs.

Variable height from 6 -10 mm gives you the correct height for all anterior teeth

*watch our tutorial*



*New*

Now order conveniently through our online shop at [www.garrisondental.com](http://www.garrisondental.com)



Dr. Martin von Sontagh, Austria

Avoids incorrect flat embrasures, black triangles and food traps that old-fashioned straight mylars sometimes produce.

Excellent for Class IVs, diastema closures, etc.



Dr. Gabriele Conte, Italy

# Fusion™ Anterior Matrix System

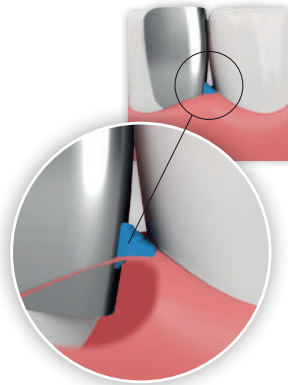
The all-new **Fusion™ Anterior Matrix System from Garrison®** gives you the materials and techniques to restore many types of anterior lesions with confidence. For years, our customers have shown us how they use posterior metal matrices to restore anterior teeth. When placed vertically, what was the buccal-lingual curvature of the band creates ideal gingival-incisal curvature for an anterior tooth. We worked with these customers to design a metal matrix band that takes this technique to a whole new level of refinement. Add to that the intelligent design of the new **Fusion™ Anterior**

**Wedges** and you get a complete system. These radically curved wedges hug the bands to the tooth all the way from the facial aspect around to the lingual, helping to free up your hands. Composite placement and sculpting are simplified, allowing you to easily express your artistic nature restoring beautiful smiles for your patients.



ANK01

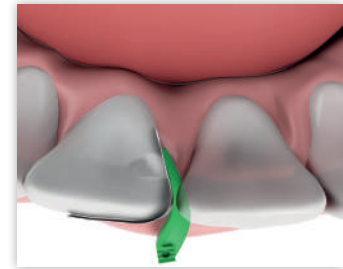
ANK01 Contains:
50 short bands
50 tall bands
25 extra small wedges
25 small wedges
25 medium wedges
25 large wedges



*watch the video  
of the technique*

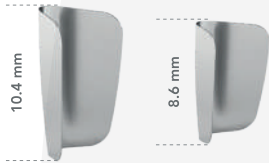


The **Social Six**  
never had  
it so good!



Try the all-new  
**Fusion™ Anterior  
Matrix System**  
TODAY

# Fusion™ Anterior Matrix System



## Matrix Fusion™ Anterior

Refills	Part Nr.	Qty
Short	AN100-M	50/pcs.
Tall	AN200-M	50/pcs.

The **Fusion™ Anterior Matrix** contains a myriad of refinements to help you recreate ideal interproximal anatomy quickly and confidently.

- Only 0,038 mm – significantly thinner than strips to facilitate better interproximal contact.
- Firm stainless steel resists deformation both during placement and while compressing composite into the preparation.
- Easy to slide into the sulcus for deeper restorations.
- Ideal anatomic curvature in the gingival-incisal direction AND facial-lingual.
- Far superior to strips when restoring large or deep carious lesions.
- Radical curvature ensures a firm seal at the cervical margin from facial to lingual.
- Helps maintain ideal anatomy by hugging the band to the tooth.
- Unique 'T' shape sits deeper in the interproximal space to minimize the dreaded 'black triangle.'
- Tapered separator strut allows you to adjust the amount of pressure exerted to control the interproximal contact.
- The cervical interface is half above and half below the sulcus for maximum adaptation with deeper restorations.



3d model



## Wedges Fusion™ Anterior

The clever features of the **Fusion™ Anterior Wedge** make it a 'must have' for all anterior restorations.

- Radical curvature ensures a firm seal at the cervical margin from facial to lingual.
- Helps maintain ideal anatomy by hugging the band to the tooth.
- Unique 'T' shape sits deeper in the interproximal space to minimize the dreaded 'black triangle.'
- Tapered separator strut allows you to adjust the amount of pressure exerted to control the interproximal contact.
- The cervical interface is half above and half below the sulcus for maximum adaptation with deeper restorations.

Description	Part Nr.	Qty
Fusion Anterior Wedge Kit	ANK4-M	200/pcs.

Refills	Part Nr.	Qty
X-Small Yellow	ANYL-M	50/pcs.
Small Blue	ANBL-M	50/pcs.
Medium Orange	ANOR-M	50/pcs.
Large Green	ANGR-M	50/pcs.



## Subgingival Trimmers and Finishers!

Subgingival FitStrips are perfectly designed to remove composite overhangs and excess cement quickly and safely from hard-to-reach subgingival areas. These strips are 33% more narrow at only 2.5 mm in height versus standard FitStrips, and with their center, non-abrasive Safety Zone, slip easily between teeth and below the contact area.

Ready for a **marathon!** FitStrips are very durable and long lasting. They stay sharp and ready to go even after multiple autoclave cycles.

**Do the Twist!** Twist the color-coded barrel to adjust FitStrips' curvature and it's automatically locked in place.

The medium, fine and super fine durable diamond coating makes quick work of the cleanup and provides a silky-smooth finish.



### Stay in the zone

- Non-abrasive Safety Zone protects contact area
- Super-thin - only 0.05 mm!
- Slips easily and safely between teeth

### Narrow focus

- 33% more narrow than standard FitStrips
- Only 2.5 mm in height

### Starts bold – finishes clean

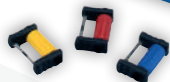
1. **Medium grit** for fast removal
2. **Fine grit** smooths things out
3. **Super fine** strips put the perfect finishing touch on things

### One handy handle!

FitStrip's simple, attachable handle makes a world of difference for both clinician ease-of-use and patient comfort.



FPSK07



## Simple Subgingival Technique:

1. Slide between teeth. Starting with the medium grit (blue), twist the colored barrel until the strip is locked straight. Position the Safety Zone in the affected interproximal space. With gentle apical pressure and a slight back-and-forth motion, slide the strip between the teeth\*. The barrel may be twisted into a curved position at this time to allow the strip to follow the natural tooth contours.

2. Remove the overhang/excess cement. Move Fitstrip™ in a gentle buccal-lingual back-and-forth motion. Remove FitStrip™ and test the area with floss to ensure the desired result. Repeat as necessary.
3. Finish and polish. Place the fine grit FitStrip™ (red) into the interproximal space using the method in step one. Move it in a gentle buccal-lingual back-and-forth motion three or four times. Remove the fine strip and repeat the process with the super fine (yellow) for an ideal polish.

\*If the teeth are bonded together or the contact is too tight to get the 0.05 mm Safety Zone between the teeth, use the FitStrip™ serrated saw (gray barrel) first to gain access.

**NEW!**

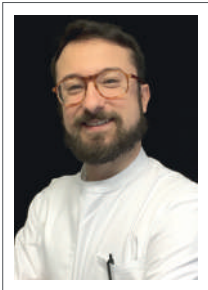
## FitStrip™ Subgingival Finishing Kit

FPSK07 contains:

- 3 subgingival super fine,
- 3 subgingival fine,
- 3 subgingival medium,
- 1 serrated saw

Full Kit Part Numbers	JPR Up To 0.3mm	JPR Up To 0.5mm	JPR Gauge Included	Serrated Saw Included	Contouring Composites	Sub Gingival Applications	Includes 2 Handles
FPSK01	✓	✗	✗	✓	✓	✗	✓
FPSK04	✓	✓	✓	✗	✓	✗	✓
FPSK05	✓	✓	✓	✗	✗	✗	✓
FPSK07	✗	✗	✗	✓	✗	✓	✓
FPSK08	✗	✗	✗	✓	✓	✓	✓

Part Nr.	Description
FPSK07	<b>NEW Subgingival Finishing Kit</b> 3 subgingival super fine, 3 subgingival fine, 3 subgingival medium, 1 serrated saw
FPSK08	<b>NEW Subgingival Finishing and Single Sided Kit</b> 2 subgingival super fine, 2 subgingival fine, 1 subgingival medium, 1 serrated saw, 4 single sided (1 of each 0,08-0,10-0,13-0,18 mm)
FPSS03	<b>FitStrip Subgingival Sample Pack</b> 1 subgingival super fine, 1 subgingival fine, 1 subgingival medium, 1 handle



**Case study**  
**IPR management**  
**in clear aligners**  
**therapy**

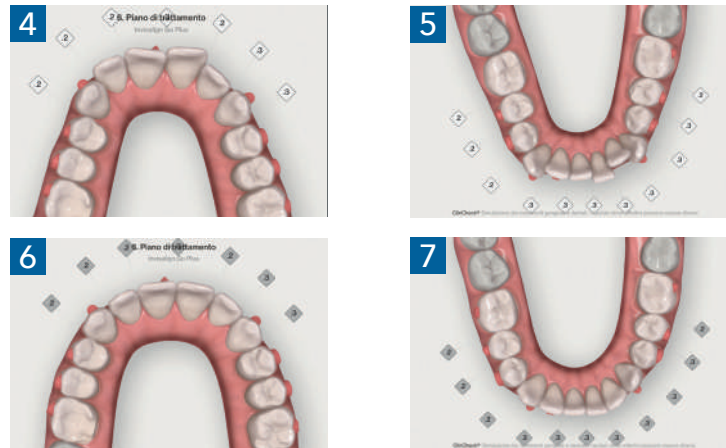
**Dr. Tommaso Weinstein,**  
**DDS, PhD.**

Interproximal spaces management is a very important issue in clear aligners therapy. This case presented crowding in upper and lower arch. It has been treated with clear aligners therapy through a digital planification. The interproximal reduction (IPR) was carefully planned. **FitStrip™** allowed to perform IPR with predictability and control, using different thickness.

Patient reported an excellent comfort during procedure, better that reported with normal strips.



**Fig 1, 2 e 3.** Initial situation, upper and lower arch. Intraoral photos.



**Fig 4-7.** Digital planification, before (4 and 5) and after (6 and 7). Numbers refer to IPR required.



Fig 8. use of FitStrip™ for IPR.



Fig 9. clear aligners in place



Fig 10 and 11. direct composites on incisal edges



Fig 12 and 13. final result in upper and lower arch

**Fit Strip™**  
Flexible  
Interproximal  
Twistable



*watch the video  
of the technique*



# FitStrip™

Flexible Interproximal Twistable

## FitStrip™ a complete line of interproximal trimmers and finishers

Ideal for interproximal reduction (IPR) in orthodontic treatments such as Invisalign and Six Month Smiles™. Autoclavable and very long lasting.

	Full IPR Part Numbers	IPR up to 0.2mm	IPR up to 0.3mm	IPR up to 0.5mm	Serrated Gauge Included	Contouring Saw Included	Sub Gingival Composites	Includes 2 Handles
FPSK01	✓	✗	✗	✓	✓	✗	✓	
FPSK04	✓	✓	✓	✗	✓	✗	✓	
FPSK05	✓	✓	✓	✗	✗	✗	✓	
FPSK07	✗	✗	✗	✓	✗	✓	✓	
FPSK08	✗	✗	✗	✓	✓	✓	✓	

- Diamond and serrated strips with a comfortable handle that keeps the field free with the hand outside the patient's mouth

- A simple colored cylinder allows adjustment of the curvature of the strips, from curved to straight



- modeling and finishing of composite restorations (curved shape)

- reduction of contact before or after restoration (straight shape)



Part Nr.	Description
FPSK04	10 strips (1 single sided and 1 double sided for each grit - 5 grits) 2 handles 1 IPR gauge
FPSK05	10 strips (2 double sided for each grit - 5 grits) 2 handles 1 IPR gauge
FPSK01	2 handles 2 serrated strips 4 single sided strips (1 for each grit) 4 double sided strips(1 for each grit)










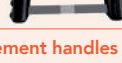


**FitStrips**  
a complete line of  
interproximal trimmers  
and finishers from the  
company that invented  
tight interproximal  
contacts, **Garrison  
Dental Solutions.**



**FPSGAUGE**  
IPR thickness gauge

*New* Now order conveniently  
through our online shop at  
[www.garrisdental.com](http://www.garrisdental.com)

Refills 4 pcs/package	Single Sided	Double Sided
Super fine 15 Micron 	FPSXFSS-4 0,08 mm thick	FPSXFDS-4 0,11 mm thick
Fine 30 Micron 	FPSFSS-4 0,10 mm thick	FPSFDS-4 0,15 mm thick
Medium 46 Micron 	FPSMSS-4 0,13 mm thick	FPSMDS-4 0,21 mm thick
Coarse 90 Micron 	FPSCSS-4 0,18 mm thick	FPSCDS-4 0,30 mm thick
Serrated 	FPSSAW-4 0,05 mm thick	
Medium 46 Micron 	-	FPSTMS-4 0,40 mm thick
Medium 46 Micron 	-	FPSXTMS-4 0,50 mm thick
Super fine 15 Micron 	FPSGXFSS-4 0,08 mm thick	N/A
Fine 30 Micron 	FPSGFSS-4 0,10 mm thick	N/A
Medium 46 Micron 	FPSGMSS-4 0,13 mm thick	N/A
<b>FitStrip™ replacement handles (2-pack) FPSHANDLE-2</b>		

Refills 1 pc/package available

# PerForm™

Proximal Contact Instruments

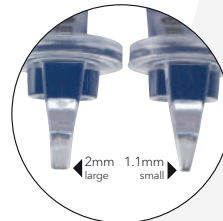
## PerForm™ puts you in control.

- Improves contacts with any matrix system
- Controls the height and width of contacts
- Increases the tightness of contacts
- Unique lens controls curing light diffusion

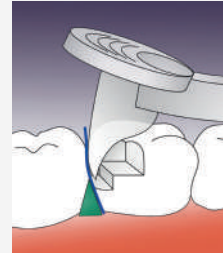
Part Nr.	Description	Qty
CFK01	PerForm™ Kit	2/each. size
CF100	1,1 mm Small Instruments	2/pcs.
CF200	2,0 mm Large Instruments	2/pcs.

"To ensure a tight contact a bulk fill flowable was placed in one proximal box at a time and the mylar held against the adjacent tooth with a "PerForm" proximal contact instrument. This ensures that the contact is tight and well-formed while light curing through it."

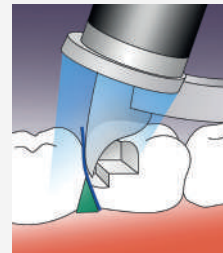
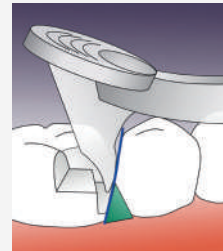
Dr. Jack D. Griffin, Jr. USA



### How PerForm™ works:



**STEP 1:**  
Place the first composite increment. Press PerForm into the uncured composite increment and either push (distal, fig. 1) or pull (mesial, fig. 2)



**STEP 2:**  
Place the curing light directly on the Fresnel lens and cure.



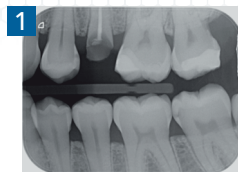


## Case Study Surgical extrusion

### Dr Riccardo Becciani

The patient was sent to me by a colleague knowing that I deal with surgical extrusion to avoid the extraction of the extremely compromised tooth 25. Once the possibilities, limitations, and risks of the technique and the possible options (such as orthodontic extrusion) had been explained to her and the colleague, they both agreed to surgically extrude the upper premolar.

The radiolucent area of the coronal portion of the root is evident, well below the bone crest from the radiographs. I also warned my colleague of the presence of numerous interproximal carious lesions.



1 Bite Wing X-ray and Apical X-ray of tooth 25 completely compromised by the carious process.



2 Clinical image of tooth 25 totally destroyed at the coronal level



3 The same tooth immediately after the surgical extrusion



4 Tooth 25 five weeks after extrusion and endodontic retreatment (carried out by Dr. Francesco Piras). The two points of flowable composite used for splinting after extrusion and the temporary restoration in CVI are still present.



5 Phase of the adhesive reconstruction of the abutment (Build Up) with flowable composite used as a base



6 The abutment of tooth 25 just restored with body composite



7 Milled lithium disilicate crown (Mr. Paolo Vigiani)



8 The pass of the eZr Garrison coarse-grained blue rubber point immediately after cementation of the crown with a self-adhesive cement and occlusal adjustments made with a fine-grained diamond bur

A flapless surgical extrusion of approximately 3.5 mm was performed. In the same session, the root, after isolation with rubber dam, was splinted to the adjacent teeth with two "points" of flowable composite. Caries damaged tissue was cleaned and a temporary restoration with a reinforced CVI was performed.

After five weeks, Dr. Francesco Piras performed the endodontic retreatment and shortly afterwards the pre-prosthetic reconstruction was performed without the aid of an endodontic post.

Since the extrusion regularly exposes a portion of the root with a reduced diameter, a delicate intrasulcular preparation was carried out to give the technician the ability to manage the emergence profiles of the crown and to more easily to fill the large interproximal spaces.

Mr. Paolo Vighiani made a milled disilicate crown, which was cemented with a self-adhesive cement (Panavia SA).

After the occlusal adjustment was performed with fine-grained diamond burs, the final polishing is carried out with eZr Garrison rubber polishers. The first step was performed with the coarse-grained blue rubber point to eliminate the micro-grooves created by the diamond bur. Subsequently, the green medium-grained point was applied, which prepares the surface for the final polishing by the orange fine-grained point. T

hrough these simple three steps, a perfectly smooth surface was obtained which is comparable to a glaze. Unlike an unpolished surface which is rather abrasive for the opposing teeth, the mechanical polishing obtained with the eZr rubber polishers produces a shiny and an absolutely brilliant surface which is non-abrasive for the opposing teeth.

Subsequently, a clinical photo and radiographic check of the restored tooth 25 was performed.



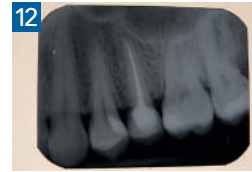
The pass of the eZr Garrison medium-grain green rubber point



The pass of the eZr Garrison fine-grained orange rubber point



The crown on tooth 25 after polishing with the three eZr Garrison rubber points



Apical X-ray of the surgically extruded tooth 25 at the end of the restoration

Becciani R, Faganello D, Fradeani M. Surgical extrusion: a simplified esthetic method of treating non-restorable teeth. Rationale and case report. Int J Esthet Dent 2018; 13 (2): 240-273

Read here an article of Dr. Becciani dedicated to SURGICAL EXTRUSION

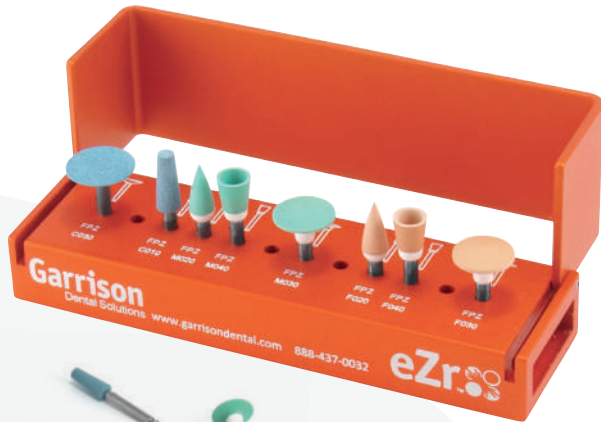




Intra-oral Adjustment/Polishing  
for Zirconia and Lithium Disilicate

## eZr™ polishers

enable clinicians to easily and safely adjust and polish both **zirconia** and **lithium disilicate**.



FPZK01-X - eZr™ Kit

Garrison  
Dental Solutions



**1** Start by gross adjusting and contouring using the blue coarse grit grinders. Use the flat end taper for occlusal/labial/lingual/ buccal surfaces and the disc for interproximal surfaces.



**2** Use the green medium grit polishers for smoothing and pre-polishing. Use the point for the occlusal grooves, the cup for labial/lingual/buccal, and the disc for interproximal surfaces.



**3** Use the orange fine grit polishers for high gloss polishing. Use the point for the occlusal grooves, the cup for labial/lingual/buccal, and the disc for interproximal surfaces.

## FPZK01-X – eZr™ Kit

Kit with 2 grinders and 6 polishers

2 grinders for gross removal (blue)

3 polishers for smoothing and pre-polishing (green)

3 polishers for high gloss polishing (orange)



*watch our  
tutorial*












watch our video

## Making adjustments **for you!**

The correct processing of zirconia has been a controversial issue for a long time, due to the risk of microfracturing. Finishing with the appropriate instruments is now possible and produces long term stability of the restoration.

The eZr™ Polishing System provides a processing solution that not only produces a high gloss finish on zirconia, but increases the physical stability through polishing. Highly polished stable zirconia surfaces are now attainable. The polishers have a long life, and in combination with a high material removal rate, allow for an economic and fast processing system to get to glossy in seconds, without polishing paste.

- Enables easy and safe adjustment for zirconia and lithium disilicate.
- Proprietary diamond impregnated polisher reduces possibility of chipping and microfracturing.
- Provides an unparalleled smoothly polished occlusal surface, eliminating abrasiveness to opposing dentition.
- Prevents over-heating that could lead to premature failure.
- Eliminates the need for polishing paste, reducing overall cost per procedure.

	Part Nr.	Description	Grit
	FPZC030-X	Blue coarse grit disc gross removal, 5/pack	Gross removal
	FPZC010-X	Blue coarse grit flat end taper gross removal, 5/pack	Gross removal
	FPZM010-X	Green medium grit small point polisher, 5/pack	Smoothing and Pre-Polishing
	FPZM020-X	Green medium grit large point polisher, 5/pack	Smoothing and Pre-Polishing
	FPZM030-X	Green medium grit disc polisher, 5/pack	Smoothing and Pre-Polishing
	FPZM040-X	Green medium grit cup polisher, 5/pack	Smoothing and Pre-Polishing
	FPZF010-X	Orange fine grit small point polisher, 5/pack	High Gloss Polishing
	FPZF020-X	Orange fine grit large point polisher, 5/pack	High Gloss Polishing
	FPZF030-X	Orange fine grit disc polisher, 5/pack	High Gloss Polishing
	FPZF040-X	Orange fine grit cup polisher, 5/pack	High Gloss Polishing



## Composi-Tight® 3D Fusion™

Composi-Tight® 3D Fusion™ System includes dentistry's premier heavy-duty stainless steel ring placement forceps. Regardless of your hand size or strength, Composi-Tight® 3D Fusion™ forceps will give you incredible control for the precise placement of super-strong separator rings over even the widest molars.

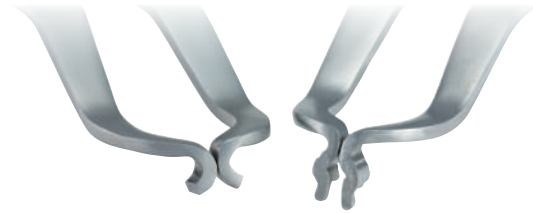
Composi-Tight® 3D Fusion™ forceps will work with virtually any ring from any manufacturer.

### Ring placement forceps

FXP01 Improved heavy duty stainless steel ring placement forceps



**Garrison**  
Dental Solutions



## Ring Placement Forceps

Holds all your sectional matrix system rings.



Ring Placement  
Forceps  
AUMRDF-100



Universal Ring  
Placement  
Forceps  
UNVF-100





# Composi-Tight® Matrix Forceps

Precise Placement, Unbeatable Grip.

**Precise Placement:** The tips have a 75-degree angle with an occlusal-gingival orientation, providing a more appropriate placement angle than cotton forceps. The petite, carbide tips allow the matrix to be grasped at its upper edge to prevent distortion of the interproximal area of the band.



## Matrix Forceps

BFA-1 Angled tip for occlusal placement



**Unbeatable Grip:** The tungsten carbide tips provide exceptional grip and tactile control for tough access cases.



## Check out the GRIP!

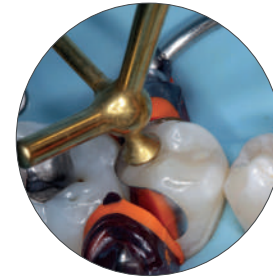
Effortlessly remove the matrix bands that otherwise would be a struggle.

# Composite Instruments

Nonstick titanium-nitride coated

Our multi-function instruments have double condenser configurations and carving blades on opposite ends. Now you can place, pack, shape and

carve your way to perfectly contoured composite restorations without ever having to switch instruments!



TN009,  
Louis Mackenzie,  
UK



TN008

5-in-1

**Part No.**  
TN008

**Description**  
5-in-1 Multi-Function Instrument  
2 condensers, ball burnisher, blade, acorn



TN009

5-in-1

**Part No.**  
TN009

**Description**  
5-in-1 Multi-Function Instrument  
2 blades, 2 condensers, acorn

- Large-diameter, lightweight handles for improved ergonomics.
- Provides non-stick surface for placement and shaping of composites.
- 40% harder than stainless steel for a non-porous, non-stick surface.
- Withstands diverse cleaning/sterilization methods, including ultrasonic cleaning.



*watch the video  
of the technique*

## General Safety Notes

### Warnings:

- Composi-Tight® systems consists of small, sharp parts. Placement of rubber dam or other suitable isolation is advised prior to operative procedures. As with all intraoral instruments, care must be exercised to ensure stable handling and placement.
- 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 develop, seek medical attention immediately.

For full sterilization instructions please go to:



## Sterilization and cleaning instructions for **Composi-Tight®** 3D Fusion™, 3D XR™ and 3D

### Sterilization:

- Sterilize the product in the autoclave using only CE approved sterilization pouches.
- Only sterilize in autoclave. Run at cycle of 132 – 134°C and 210kPa for 6 minutes with a drying time of 20-30 minutes; please follow the manufacturer's instructions when doing so. Never exceed temperatures of 137°C.
- DO NOT use chemical sterilization processes.

### Cleaning:

- Remove all visible residues prior to sterilization.
- To do this, use a nylon brush or a similar soft brush. Be careful not to damage the Soft-Face™ silicone during the cleaning process.
- If visible residues are still present, please repeat the above procedure.
- DO NOT use solutions containing chemicals such as alcohol, acetone, or ketone.

# Garrison<sup>®</sup>

Dental Solutions

150 DeWitt Lane  
49456 Spring Lake - MI  
USA

Contactme@garrisondental.com

www.garrisondental.com



CATEN2023