Order today your collector's item!

Vista-Tec™
ultra light protective Shield

<table>
<thead>
<tr>
<th>Description</th>
<th>Art. No.</th>
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<tr>
<td>Vista-Tec ultra light Protective Shields 20 years Edition</td>
<td>REF: 5621/20y, 5624/20y</td>
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<tr>
<td>1 red frame + 5 shields</td>
<td>REF: 5621/20y</td>
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<tr>
<td>1 red frame + 10 shields</td>
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Made in Switzerland by:

Polydentia SA  •  Swiss Products for Fine Dentistry
Strada Cantonale  •  CH-6805 Mezzovico Lugano
Phone +41 (0)91 946 29 48  •  Fax +41 (0)91 946 32 03
www.polydentia.com  •  info@polydentia.com

product catalogue 2011 / 2012
ENGLISH
Thank you for choosing Polydentia SA as your partner.

We have been devoting to the development of new products for over 30 years with the purpose of ensuring maximum functionality and precision.

Customer Orientation

We understand your needs and turn them into innovative solutions, always maintaining our traditional attention to quality, safety and efficiency, as well as the care for patients’ requirements. The continuous interaction with you and with our international trade partners represents an important assumption for our activity.

Alfred Schaffner, President
Claudia Schaffner Paffi, Vice-President

Flexibility, care for the product and the environment

Our autonomy in production allows us to create products with innovative and unique features. Polydentia SA is careful to keep the high quality standards which characterize the “Made in Switzerland”. Technology but also care for the environment: these are the major elements of our goals. Responsible energy consumption characterizes Polydentia SA entire production system.

Innovation, dynamism and passion

New development projects, patents, high level production technologies and customer orientation are the basic elements of our work. We work for you and for your patients!

We thank you for your trust, and invite you to have a look at our catalogue and share our passion discovering some new products along with the ones already known.
Matrices, matrix systems

- Stainless steel and transparent polyester matrices:
  - Tofflemire Matrices (0.025 - 0.03 - 0.04 mm)
  - Tofflemire Transparent Matrices
  - Superthin Matrices (0.03 mm)
  - Clearmat Matrices
  - Sieveland Matrices (0.05 mm)
  - Transparent Anterior Matrices
  - Tofflemire Contoured Matrices (0.025 - 0.04 mm)
  - Contoured Anatomical Matrices (0.03 mm)
  - Softix Matrix Strip (0.025 mm)
  - TST Matrix Strip (0.03 mm)
  - Soft Matrix Strip (0.05 mm)
  - Matrix Strip 0.05 (0.05 mm)
  - Stripmat transparent matrix band
  - Stripmat Eco transparent matrix band
  - Stripmat Anatomic, anatomically pre-shaped transparent matrix band
  - Octoclip transparent foil for class I composite restorations
  - Cervical Former, cervical matrix forming system
  - Dispan-O-Mat: Anterior, Incisal, Posterior auto-adhesive matrices

Matrix Systems:
- Quickmat Deluxe sectional matrix system, with Re-Force insert
- Quickmat Forceps, sectional matrix forceps
- Rubber Dam Clamp Forceps
- Maximat Plus tensioning system, with autoclavable spools

Finishing and polishing

- Tria-Shine Abrasive Polishing Strips
- Ablasive Polishing Strip
- Polydentia Composite & Universal Polishers
- My-Rack, autoclavable tray for polishers

Wedges

- Interdental maple wood wedges
- My-Wedge
- The Wedge

Restorations with glass fiber posts

- Coremat multi-sized matrices for core build-up
- Polydentia GF Posts
- Polydentia GF Precision Drills

Endodontics
- Endo-Stops
- Stop-Card
- Endo-Gauge V02 measuring instrument
- Endo-Grippers

Splinting
- Fiber-Splint Product Line
- F-Splint-Aid
- F-Splint-Aid Slim
- Fiber-Splint
- Fiber-Splint Ortho Evolution
- Fiber-Splint ML Multi-Layer
- Fiber-Splint ML Mini Starter Kit

Laboratory
- Fiber-Splint Lab System

Face shields and protective glasses
- Vista-Tec ultra-light face shield
- Vista-Tec ultra-light Eyeshield
- Clip on for spectacle wearers
- L-Clip on for loupes
- Vista-Tec Orange shields
- Blubloc protective glasses
- Polydentia Clean

Instruments, accessories, miscellaneous
- Cotton roll holders
- Amalgam guns
- Universal Matrix Retainer (straight)
- Pick-it-Easy
- ID-Rings
- Occlusal high spot indicating liquid
- Mindy napkin holder
- Anti-Mist
- Hy-Drop hygienic liquid dispenser

Fiber-Splint-Aid Slim
ready-to-use solution for fast, reliable and aesthetical splinting

Hy-Drop
the smart hygienic liquid dispenser
### Tofflemire Matrices (0.025 mm - 0.03 mm - 0.04 mm)

- Stainless steel
- Easy to burrsh
- Can be used with any universal matrix retainer
- The microthin version 0.025 mm (.001") is suitable also for use in very narrow interdental spaces, or where tight contact is difficult to achieve.
- The softness of the material allows perfect and continuous adaptation of the matrix to the tooth

### Tofflemire Transparent Matrices

Tofflemire matrices (type no. 1) made of transparent polyester to allow a complete light-curing of the approximal boxes of any MOD-composite restoration on posterior teeth.

### Superthin Matrices (0.03 mm)

- Stainless steel
- Anatomically preformed and superthin 0.03 mm (.0012")
- Available in different widths and thicknesses
- Can be used with any matrix retainer as well as with our Maximat Plus system

### Superthin Matrices (0.03 mm)

- Stainless steel
- Anatomically preformed and superthin 0.03 mm (.0012")
- Available in different widths and thicknesses
- Can be used with any matrix retainer as well as with our Maximat Plus system

### Siqveland Matrices (0.05 mm)

- Stainless steel 0.05 mm (.0019")
- Can be used with any universal matrix retainer

### Transparent Anterior Matrices

Polyester strips, anatomically prestamped (0.05 mm/.0019"), especially developed for restorations of anterior teeth. Highly resistant, do not stick to composite materials. Available in three different widths, color-coded.

### MATRIX STRIPS

- Stainless steel matrices
- Practical dispenser
- Available in different widths and thicknesses
- Can be used with any matrix retainer as well as with our Maximat Plus system

### Softrix matrix strip (0.025 mm)

- Soft stainless steel matrix
- Microthin 0.025 mm (.001")
- Memory-free, burnishable matrix band, especially indicated for tight contact points
- Suitable for narrow interdental spaces

### ST matrix strip (0.03 mm)

- Soft stainless steel 0.05 mm (.0019")
- The memory-free matrix band stays put when burnished against adjacent teeth
- Better interproximal contact
- The softness of the material allows optimum adaptation of the matrix to the tooth

### Matrix strip 0.05 (0.05 mm)

- Stainless steel
- Thickness 0.05 mm (.0019")
- Economical
Stripmat
Continuous roll matrix band (0.05 mm/.0019") made of transparent polyester, especially indicated for light-cured composite materials. The matrix strip is highly resistant and does not tear under tension. Available in three different widths, supplied in a practical tear-off dispenser.

Stripmat Eco
Stripmat band supplied in a practical and economical transparent blister pack, permits checking of the contents.

Stripmat Anatomic
Continuous roll matrix band (0.05 mm/.0019") with one festooned edge for a better interproximal adaptation. Made of polyester, permeable to curing lights, does not tear under tension, nor adhere to any composite restorative materials.

Occlusstrip
Ultrathin, transparent foil (0.015 mm/.0006") for class I occlusal composite restorations, in a practical dispenser. Application: place the foil over last layer of uncured posterior composite and have patient grind in natural occlusal contours. Minimizes finishing and polishing work. Does not stick to composite materials.

Cervical Former
Cervical matrix system, ideal for class V restorations

Cervical Former Kit
The auto-adhesive Dispens-O-Mat Anterior matrices, very thin (0.05 mm) and transparent, are indicated for restorations with all types of self- and light-curing composite. It is no longer necessary to hold the matrix in position with your fingers or special tweezers. Available in 3 different heights: 6 mm, 7 mm and 8 mm.

Dispens-O-Mat Anterior
For class III anterior restorations

Dispens-O-Mat Incisal
For class IV restorations of anterior teeth

Dispens-O-Mat Posterior
For restorations with light-cured composite in the posterior areas

All matrices with this symbol are compatible with our Maximat Plus tensioning system.
Quickmat Deluxe
Sectional matrix system for perfect class II restorations

Quickmat Deluxe is the sectional matrix system that allows to create perfect, extremely precise and anatomically correct contact points in class II restorations. The system is characterized by its simplicity and ease of use; one single type of universal ring is compatible with all clinical applications. Contoured sectional matrices fit perfectly to the contact area of the adjacent tooth and completely surround the cervical shoulder, thanks to the action of interradicular wood wedges. The Quick rings, distinguished by their elasticity, ensure perfect adaptation of the matrix to the anatomy of the tooth and are also autoclavable at 134 °C.

ADVANTAGES

- Provides tight approximal contacts in posterior composite restorations
- NEW: Re-Force insert allows to increase the separation force of the ring
- The only one available with Delta silicone tubes to place over the tines
- Sectional matrices with extension for subgingival preparations
- Transparent sectional matrices for complete polymerization
- Quick rings can be superimposed in case of MOD cavities
- Compatible with any standard rubber dam clamp forceps

NEW
Sectional matrices made of transparent polyester:
also available in a special version with extension, to obtain complete curing of class II composite restorations.

• Assorted maple wood wedges: Available in different sizes, for optimal separation of the teeth.

Description Art. No.
Quickmat Deluxe Kit REF 5701

Content:
5 Quick rings, 1 Re-Force insert NEW
10 cylindrical silicone tubes
10 Delta silicone tubes
100 contoured sectional matrices 0.04 mm thin, 100 pcs. 5 mm high and 100 pcs. 6.4 mm high
100 contoured sectional matrices microthin 0.025 mm, 50 pcs. 5 mm and 50 pcs. 6.4 mm high
300 assorted wood wedges

Re-Force insert
NEW

Description Art. No.
1 Quickmatrix Forceps REF 5703

1 Rubber dam clamp forceps REF 5702

Quickmat Deluxe Kit

NEW

Description Art. No.
1 Rubber dam clamp forceps REF 5702

Stainless steel
Economical
Can be autoclaved at 134 °C (273 °F)
Suitable also for the Quick rings placement when using the Quickmat sectional matrix system

Rubber Dam Clamp Forceps

Your Opinions:

Dr. G. Gherli
La Spezia - Italy

“I have been using Quickmat sectional matrix system for years. The 0.04 mm matrices are made in a wonderful adaptable steel - the new matrices with extension are really comfortable for an adequate closure of the cervical margin.”

Dr. H. van der Elst
Bad Wesse - Germany & Dubai - U.A.E.

“Thanks to the silicone tubes the adaptation against the tooth is very good [...] Therefore less work needs to be done for shaping and polishing of the composite.”

Dr. J. A. Fernández Ruiz
Ibiza (Balearic) - Spain

“In the revision visits we observed the absence of packing of food in the interproximal spaces, reflecting the success of the treatment.”

“Our patients noted comfort and satisfaction for this treatment between very good and excellent.”

Polydentia has expanded its range of matrices and accessories, offering a complete system to meet every need in posterior restorations.

- Quick rings: Made of stainless steel and autoclavable at 134 °C, they guarantee perfect fitting of the matrix to the tooth. Moreover, these rings are very handy for the reconstruction of MOD cavities thanks to the special angulation of the ends which allows for easy stacking of two Quick rings.

- NEW: Re-Force insert for Quick rings: Once placed upon the ring, it allows to increase the separation force exerted on the teeth. The insert is made of high-tech materials and can be sterilized in an autoclave at 134 °C. Its form confers more stiffness upon the ring; the dentist can therefore choose whether to carry out the separation using wedges and/or reinforced rings, with the insert applied. This ensures the creation of perfect contact points and greater flexibility of work, since a single movement allows to increase or decrease the rigidity of the ring.

- NEW Delta silicone tubes: Particularly suitable in case of very extensive cavities. Applied to both ends of the Quick ring, they perfectly fit to the convexity of the teeth thanks to their innovative triangular shape, facilitating adhesion and adaptation of the matrix.

- Silicone tubes (cylindrical): In the presence of large cavities, they are applied to the ends of the Quick ring in order to increase their adhesion to the matrix and to prevent them from sinking too deeply into the interproximal space.

- Thin (0.04 mm) and microthin (0.025 mm) contoured sectional matrices: With anatomical form and easy to burnish. In the case of serrated interradicular spaces, the microthin version allows to obtain very tight contact points with an ideal morphology.

- Contoured matrices with special extension: Allow to achieve perfect anatomical contours and consistently tight proximal contacts in subgingival preparations and extended cervical preparations.

Quickmat Deluxe

For accurate placement and easy removal of sectional matrices

Quickmat Deluxe is the sectional matrix system that allows to create perfect, extremely precise and anatomically correct contact points in class II restorations. The system is characterized by its simplicity and ease of use; one single type of universal ring is compatible with all clinical applications. Contoured sectional matrices fit perfectly to the contact area of the adjacent tooth and completely surround the cervical shoulder, thanks to the action of interradicular wood wedges. The Quick rings, distinguished by their elasticity, ensure perfect adaptation of the matrix to the anatomy of the tooth and are also autoclavable at 134 °C.

ADVANTAGES

- Angled tips for precise matrix placement and removal
- Tips with special ribbing for a firm grip
- Tungsten carbide reinforced tips
- Unique design
- Excellent overview
- Optimal tactile sensitivity

Quickmat Deluxe

For accurate placement and easy removal of sectional matrices

NEW
Sectional matrices made of transparent polyester:
also available in a special version with extension, to obtain complete curing of class II composite restorations.

- Assorted maple wood wedges: Available in different sizes, for optimal separation of the teeth.
The Maximat Plus kit from Polya dentia new features:

- a) pre-loaded single use spools (new anatomic shape), that allow the dentist to obtain quick, optimum results

- b) new empty spools autoclavable at 134 °C, which can be reused and are therefore more economically and ecologically sound.

### Advantages

**Tria-Shine**

**Abrasive Polishing Strips**

These contouring and finishing strips for the approximal surfaces of composite restorations, are made of polyester and coated with aluminium oxide.

The triangular shape of the strip with its variable width (from 1.5 to 5.5 mm) considerably facilitates its insertion into the interdental space, while protecting the contact point, and allows easy finishing at the optimum height. These strips are available in three color-coded grit sizes.

### Abrasive Polishing Strip

**Abrasive strip for polishing and finishing**

This contouring and finishing roll strip for the approximal surfaces of composite restorations, is made of flexible polymer and firmly coated with aluminum oxide particles. The strip is 4 mm wide and available in three different grit sizes color-coded.

### Polya dentia Composite & Universal Polishers

Universal and Composite Polishers

Available in three different shapes, color-coded and autoclavable at 134 °C (273 °F). The cup is particularly suitable for polishing convex surfaces, along with fissures and interdental areas. The flame and minipoint are indicated for polishing concave surfaces, especially the occlusal ones.

**Universal Polishers**

- Silicone polishers, especially developed for pre-polishing and high-gloss polishing of gold, amalgam and precious metal alloys.

**Composite Polishers**

Silicone polishers, indicated for pre-polishing and high-gloss polishing of composite, comonomer and glass ionomer materials.

**NEW:** The polishers are now provided on My-Rack, a handy and functional universal support for rotating instruments offering many advantages:

- Handy for autoclavable the polishers;
- My-Rack prevents the polishers from getting messed up in the autoclave during sterilization;
- Practical for maintaining order in the working area;
- Made from high-performance materials, autoclavable at 134 °C (273 °F).

The My-Rack support is also available separately.
Interdental wood wedges
Made of top-quality, splinter-free maple wood ensuring stability and matrix adaptation

ADVANTAGES
• Anatomical shape
• Special transparent polymer
• Structured surface for optimum light reflection
• Outstanding wedging performance
• Optimum adaptation of matrices
• Axial hole facilitates placing with usual cotton pliers
• Available in four different sizes, color-coded

The Wedge
The only wedge offering transparency and great elasticity

“The Wedge” is the new generation of transparent interdental wedges, made in a special blend of elastomeric thermoplastic polymers. The elasticity and softness of the material ensure perfect and continuous adaptation of the matrix along the entire cervical margin, even in concave zones and in the widening interdental space. In addition, this wedge developed by clinicians has an anatomical shape and a cleverly designed head, which allow an easy insertion in the interdental space with cotton pliers, providing an excellent wedging of the teeth.

The structured surface of “The Wedge” permits optimum reflection of light and ensures complete polymerization of light-cured filling materials.

Clinical Tips
Insertion angle of 45° from coronal: “The Wedge” automatically follows the anatomy of the interdental space.

My-Wedge™
No more cross contamination thanks to the hygienic packaging My-Wedge!

My-Wedge has been specially developed with the exacting safety and hygiene standards of modern dental practices in mind. My-Wedge is an individually packed wedge which is also extremely easy to handle. The wedges are supplied in a compact and practical dispenser containing either 50 or 100 units. Made of top-quality splinter-free maple wood, they are color-coded and available in five different sizes.

Transparent wedges
• The anatomical shape ensures optimum adaptation of matrices to the cervical margin of the tooth, while protecting the papilla
• The reflecting surface allows to achieve a complete, even, proximal polymerization of all light-cured filling materials
• Available in two different sizes

Transparent wedges
Description Quantity Art. No.
ultrasmall 100 pcs. REF 7011
small 100 pcs. REF 7012
medium 100 pcs. REF 7013
large 100 pcs. REF 7014
assorted 400 pcs. REF 7040

Transparent wedges
Description Quantity Art. No.
11 mm (XS) 100 pcs. REF 6011
12 mm (S) 100 pcs. REF 6012
13 mm (M) 100 pcs. REF 6013
15 mm (L) 50 pcs. REF 6015
17 mm (XL) 50 pcs. REF 6017

Transparent wedges
The axial hole and lateral ribbing facilitate the placing and removal of the wedge with usual cotton pliers

The bevelled edges ensure perfect adaptation of the matrix and good stability of the wedge, even in case of deep or subgingival cavity margins

The curved shape of the wedge is designed to protect the papilla

The basal notching helps protect the papilla, ensuring efficient wedging

A The parallel wedge shape ensures maximum wedging up to the exit point of the wedge

B The special polymer allows perfect adaptation of the matrices along the entire cervical section of the cavity, also to concave shapes.
**Polydentia GF Posts**

White opaque posts with 80% glass fibers: strength, reliability and highest aesthetics

Polydentia GF Posts provide an excellent alternative to metal posts, and are the ideal solution for aesthetic restorations on both anterior and posterior teeth. The post consists of a large number of unidirectional, individual glass fibers (diameter: 20 µm), embedded in a polyester resin matrix (a material especially appreciated for its allergy safety). The parallel, longitudinal fibers reinforce the post’s structure and enhance its flexibility. The glass fiber post can be easily shortened at the required length; nevertheless, it is recommended to section the post perpendicularly to its long axis by using a medium or coarse diamond bur or separating disc, in order to prevent fraying of the micro-fibers.

The white, opaque color of Polydentia GF Posts ensures excellent aesthetic results, without undesirable coloring in the cervical area of the tooth. If endodontic retreatment becomes necessary, the post can be easily removed by drilling, despite its high mechanical strength provided by the parallel fiber structure. Any commercial fiber post removal kit can be used.

The full length of the Polydentia GF Posts is 20 mm (.78”). These posts are available in four different sizes: 1.1-1.3 - 1.5 - 1.7 mm (.043” - .051” - .059” - .067") diameter.

The GF Posts Kits include matching drills (1.1-1.3-1.5-1.7 mm) which ensure a perfect placing of the post. The drills are also available separately as refills.

**ADVANTAGES**

- Great aesthetic
- High strength and reliability
- Biocompatible
- Approved by the Faculty of Medicine, Laboratory of Biophysics of the University of Lille, France
- Elasticity modulus similar to that of dentine
- Homogeneous distribution of forces
- No stress concentrations in the dentine or root fractures
- Excellent and strong adhesion to the core composite
- Easy and fast to remove
- Tissue sparing preparation
- Direct composite core build-up in a single session
- Can be autoclaved at 134 °C (273 °F)

**Restorations with glass fiber posts**

![Image of sectioned Polydentia GF Posts. Glass fibers are well distributed and with a high density (80% of total surface). Image by Laboratory of Biophysics, University of Lille, France](image)

**Mechanical properties:**

The elasticity modulus of glass fiber posts is 42 GPa, which is very close to that of dentine – allowing a regulation of applied forces by redistributing them throughout all the dentine components. In contrast to this, metal posts have an elasticity modulus of 210 GPa, titanium posts 110 GPa, gold 77 GPa and zirconium dioxide 200 GPa. Glass fiber posts possess a very high mechanical resistance to compression (605 MPa), in addition, the stability of the post-and-core restorations is also increased by the high flexural strength (5500 MPa) of the post.

**ADVANTAGES**

- Universal: can be used on both anterior and posterior teeth
- Fast and easy application
- Suitable for light-curing
- No trial-and-error fitting of individually sized forms
- No cross-contamination

**Coremat**

Multi-sized matrices for core build-up

The Coremat multi-sized matrices, designed to make core build-up technique faster and easier, are versatile: they can be used on both anterior and posterior teeth. Coremat eliminates cross-contamination possible with trial-and-error fitting of individually sized forms. Made of transparent polyester, Coremat is compatible with composites, glass ionomers, pattern acrylic or softened wax. Application is extremely simple: cut the matrix at the desired diameter to fit the tooth’s gingival contour. Fill the matrix with material of choice for build-ups (for example composite, glass ionomer cements). Seal the matrix on the tooth and hold in place with moderate pressure until complete set occurs, in order to produce a dense, void-free core. When using light-cured composite materials, take care to polymerize all build-up’s surfaces. Remove matrix from set material and complete the preparation.

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- Fast and easy application
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**ADVANTAGES**

- Great aesthetic
- High strength and reliability
- Biocompatible
- Approved by the Faculty of Medicine, Laboratory of Biophysics of the University of Lille, France
- Elasticity modulus similar to that of dentine
- Homogeneous distribution of forces
- No stress concentrations in the dentine or root fractures
- Excellent and strong adhesion to the core composite
- Easy and fast to remove
- Tissue sparing preparation
- Direct composite core build-up in a single session
- Can be autoclaved at 134 °C (273 °F)

**Restorations with glass fiber posts**

![Image of sectioned Polydentia GF Posts. Glass fibers are well distributed and with a high density (80% of total surface). Image by Laboratory of Biophysics, University of Lille, France](image)

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- Direct composite core build-up in a single session
- Can be autoclaved at 134 °C (273 °F)
**Endo-Stops**

Indispensable when working with endodontic finger instruments, these round silicone stops are suitable for a further application: by using the different colors sterilization cycles can be monitored. We suggest, for example, to start with the lightest color, using each next darker color at further sterilization cycles. The silicone stops have a diameter of 3.5 mm and a thickness of 1 mm. They are radiopaque and can be sterilized in an autoclave at 134 °C (273 °F). Endo-Stops are available in eight different colors, with or without starter hole.

**Stop-Card**

A simple but effective dispenser for Endo-Stops. Dispenses one Endo-Stop at a time, holds it in position, while the instrument is easily inserted through the starter hole. The working length of the instrument can then be set with the integrated measuring ruler.

**Endo-Gauge V02**

A simple and easy method for quickly setting the desired working length of endo instruments, from 8 to 32 mm. In addition to the sponge, a practical container for the cleaning of files during endodontic procedures, is integrated in the Endo-Gauge V02. Endo-Gauge V02 is suitable for all hand and engine endo instruments, Gutta-Percha and paper points. Endo-Gauge V02 is made of stainless steel and can be sterilized in an autoclave at 134 °C (273 °F). The device is supplied with 20 disposable sponges. Further sponges can be ordered separately.

**Endo-Grippers**

Placed on the plastic handle of endodontic finger instruments, the Endo-Grippers enlarge their diameter providing a secure grip, especially when wearing surgical gloves. Made of transparent silicone rubber, they do not hide instrument number and color identification.

**ADVANTAGES**

- Indispensable for endodontic instruments
- Eight different colors easily code the sterilization cycles
- With or without starter hole

**Description**

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Art. No.</th>
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<tr>
<td>Blue</td>
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<td>REF 5305</td>
</tr>
<tr>
<td>Green</td>
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<td>Black</td>
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<td>Red-brown</td>
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</tr>
<tr>
<td>Assorted</td>
<td>100 pcs.</td>
<td>REF 5310</td>
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**ADVANTAGES**

- Replaceable cleaning sponges
- Integrated measuring ruler
- Ergonomic shape
- Autoclavable at 134 °C (273 °F)

**Description**

<table>
<thead>
<tr>
<th>Description</th>
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<tr>
<td>Endo-Gauge V02</td>
<td>REF 5335</td>
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<tr>
<td>Sponges V02 refm</td>
<td>REF 5337</td>
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</table>

**ADVANTAGES**

- Secure grip
- Autoclavable at 134 °C (273 °F)

**Description**

<table>
<thead>
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<tbody>
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<td>Endo-Grippers</td>
<td>50 pcs.</td>
<td>REF 5321</td>
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</table>

**ADVANTAGES**

- These products allow for construction of splints, bridges or orthodontic retainers and are 100% biocompatible and metal-free
- Resistant and flexible fiberglass ribbon for excellent results
- Quick and easy application thanks to the exclusive fixation clips by Polydentia
- Convenient and time-saving, excellent results within a single session
- Easy handling, does not require use of gloves or special scissors
- Supplied in handy dispenser

**FIBER-SPLINT™ product line**

**FIBER-SPLINT™ is a COMPLETE RANGE of FIBREGGLASS PRODUCTS SPECIFICALLY CREATED FOR:**

- Semi-permanent fixation of very mobile teeth
- Transplanted or re-implanted teeth
- Teeth with post-traumatic mobility
- Reinforcement of bridges
- Non-metal Maryland bridges
- Post-orthodontic retainers
- Space maintainers
- Partial or complete repair of dentures

Fiber-Splint™ is an alternative to conventional metal retainers, and allows for superior splinting in terms of aesthetics, biocompatibility and comfort for patients. The Fiber-Splint™ technology, supported by long and demonstrated clinical experience, provides excellent results in one session without being invasive. The application of Fiber-Splint™ fiberglass is swift and easy, enabling the dentist and the patient to considerably save time and money.

After years of success and constant interaction with dental professionals all over the world, Polydentia has expanded the Fiber-Splint™ range with different products:

- **Fiber-Splint™ ML Multi-Layer**
- **F-Splint-Aid**
- **F-Splint-Slim**
- **ClickSpack**
- **Fiber-Splint™ Ortho Evolution**
- **Fiber-Splint™ ML Mini Starter Kit**
- **Fiber-Splint™ Lab System**

**FOR YOUR OPINIONS:**

- PROF. DR. ALFREDO BASí Córdoba – Argentina
- DR. G. DERCHI, DDS La Spezia – Italy
- DR. MAHESH CHAUHAN, BDS New Delhi – India

Results after the use of Fiber-Splint have been very satisfying and stable over time. For post-orthodontic retainers the 2 mm band is more adequate and easier to apply. I have been using glass-fiber for years, for various instruments. Fiber-Splint ML Multi-Layer provides excellent usability and reliability for the splinting of provisional crowns or extracted teeth (in cases of post-extractor implantology [...], meshes and aesthetic results to the patients, and preserving the soft tissues, for a better healing.

With Fiber-Splint the dental can quickly obliterate mobile anterior teeth, with long-term reliability. It grants high esthetic results and enhances patients self-confidence.

**Images courtesy of Dr. G. Derchi, DDS - Italy**
**ADVANTAGES**

- Ready-to-use solutions, particularly suitable for emergency splints
- Rapid and non-invasive application
- Perfect positioning of the fibreglass ribbon with the Clip&Splint fixation clips
- Biocompatible alternative to metal splints
- Highly aesthetic and comfortable for the patient
- Strong and flexible for excellent results
- The pre-impregnated fibreglass will not fray
- NEW: F-Splint-Aid Slim, the new version with a width of only 2 mm, offers the same strength and even more versatility

**F-Splint-Aid & F-Splint-Aid Slim**

Ready to use solutions for fast, strong and highly aesthetic splints

F-Splint-Aid is a fibreglass ribbon pre-impregnated with bonding agent, ideal for all situations where you need to make an unexpected emergency splinting. Thanks to the ease of use, it is particularly suitable for the stabilization of teeth which are mobile or loose due to trauma or periodontal disease, and for temporary repositioning of front teeth extracted or reconstructed in composite.

F-Splint-Aid is now also available in a Slim version, which is narrower (2 mm) but grants the same strength; it is conceived for the treatment of surfaces with reduced dimensions as well as post-orthodontic retainers.

The practical F-Splint-Aid and F-Splint-Aid Slim bottles allow for dispensing the multi-layer fibreglass ribbon pre-impregnated with the Fiber-Bond binding agent. The bottle contains 12 cm of fibreglass ribbon, useful for 3–5 applications depending on the treatment to be performed.

Application of F-Splint-Aid and F-Splint-Aid Slim takes just a few simple steps:

- Extract the fibreglass ribbon pre-impregnated with bonding agent from the bottle and cut it to the desired length
- Position it on the previously etched palatal/lingual surfaces
- Immobilize it with Clip&Splint, the special fixation clips by Polydentia
- Finally light-cure.

The fibreglass is very easy to handle, will not fray and does not require the use of any special scissors. The handy resealable bottle serves to avoid wasting of fibreglass and bonding agent, also making the application rapid and comfortable for both the dentist and patient.

The results are aesthetically excellent and non-invasive, and they provide optimal durability and reliability.

**Clip&Splint**

Transparent Fixation Clips

Clip&Splint are special fixation clips designed by Polydentia SA to ensure optimal positioning and adhesion of fibreglass ribbon in the interdental spaces during light-curing.

Thanks to these clips, the fibreglass fits perfectly to the surface of the teeth, ensuring a result free of irregularities, thus preventing accumulation of plaque. Easy to handle, they also allow good visibility of the working area during the treatment. Clip&Splint are made from high-performance materials, are flexible and adapt perfectly to the tooth anatomy, ensuring optimal results.

These clips can be sterilized in an autoclave at 134 °C. However, single use of the product is recommended in order to preserve its original mechanical properties.

Clip&Splint are included into each package of Fiber-Splint™ products.

**Fiber-Splint™**

One-layer, thin and versatile

Extremely thin fiber-glass band (0.05 mm/0.0019”), 4 mm wide which gives 30% more adhesion power to the interdental area.

The application is very easy: the first Fiber-Splint strip is saturated with bonding agent, positioned on the etched and bonded palatal/lingual surfaces, then fixed in the interdental area with application clips and light-cured. The entire procedure has to be repeated with the next five strips, six layers are recommended in all. The result is highly aesthetic and comfortable for the patient.

**Fiber-Splint™ Ortho Evolution**

Multi-Layer, for post-orthodontic retainers

Three-layer fiber-glass band, 2 mm wide, especially developed for post-orthodontic retainers. An alternative to metal retainers, allows the fast and simple realisation of highly aesthetic orthodontic reinforcement, comfortable and less invasive for the patient.

The application is very easy: Fiber-Splint Ortho Evolution strip is saturated with bonding agent, positioned on the etched and bonded palatal/lingual surfaces, then fixed in the interdental area with application clips and light-cured. Two or more layers can be applied using the same technique.

**ADVANTAGES**

- Clinically proven since 1989
- Extremely thin and resistant
- Versatile

- Aesthetic
- Non-invasive
- Biocompatible
- Fast application

**Description**

<table>
<thead>
<tr>
<th>Description</th>
<th>Art. No.</th>
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<tr>
<td>Fiber-Splint Ortho Evolution</td>
<td>REF 5879</td>
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<tr>
<td>(2 mm wide, 60 cm long)</td>
<td></td>
</tr>
<tr>
<td>+ 5 Clip&amp;Splint application clips</td>
<td></td>
</tr>
<tr>
<td>Fiber-Bond 2 bottles 3 ml each</td>
<td>REF 5873</td>
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<tr>
<td>Clip&amp;Splint</td>
<td>10 pcs.</td>
</tr>
<tr>
<td>Stainless steel application clips</td>
<td>10 pcs.</td>
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</table>

**Content:**

- Fiber-Splint Ortho Evolution (2 mm wide, 60 cm long) + 5 Clip&Splint application clips
- Fiber-Bond 2 bottles 3 ml each
- Clip&Splint
- Stainless steel application clips
Periodontal Splint

Six ultra-thin fiber-glass ribbons stitched together

Fiber-Splint™ ML Multi-Layer
Multi-layer for a faster and easier application

The second generation of Polydentia’s splinting material simplifies handling with the same optimum results. Fiber-Splint ML consists of six layers Fiber-Splint sewn together, one over the other. Thus, the individual layers no longer have to be applied onto each other, saving valuable chair time.

Fiber-Splint ML is supplied in a practical dispenser box with 50 cm band for approximately 20-25 applications. The product can be stored indefinitely. The multi-layer version maintains its traditional high flexibility, together with its strength, offering a reliable method for periodontal splinting and reinforcement of temporary bridges.

... splinting has never been easier!

Fiber-Splint™ ML Mini Starter Kit
The Fiber-Splint™ ML Mini Starter Kit allows to create extremely thin and strong splints, thanks to the Fiber-Splint™ ML Multi-Layer fiberglass ribbon.

The use of the Fiber-Plast silicone key included in the kit allows to reproduce with extreme precision the original position of the teeth, giving optimal aesthetic results. Furthermore, the transparency of the silicone allows polymerization of the fiberglass directly through the impression.

The advantages of Mini Starter Kit are particularly noticeable in the case of splints / fixation after extraction.

How to use the kit:
Take the impression of the teeth of interest, using the Fiber-Plast silicone key. Place the extracted tooth, without the root, into the impression. Measure and cut the Fiber-Splint... soak the strip in adhesive agent and place the impression into the mouth. Finally light-cure through the impression.

Fiber-Splint™ Lab System
A new way to reinforce dental resins

The Fiber-Splint Lab System provides the dental technician with a cost-saving new system based on glass fiber technology, for the fabrication of bridges with strong and biocompatible frameworks, the reinforcement of vulnerable areas of new and existing dentures, or the repair of dentures.

Instead of conventional reinforcement using steel wire and metal gauze, the Fiber-Splint Lab System utilizes multiple layer silanised fiberglass strips, which are easy, cost-effective, and quick to work with. The silanisation of the fiberglass strips creates an excellent bond with the resin.

Superior aesthetic results can be achieved with the use of the Fiber-Splint Lab System since the fiberglass strips are almost invisible under the resin and do not show through.

The basic technology used for Fiber-Splint has been proven in dental practices for nearly two decades in the splinting of loose anterior teeth and the reimplantation of extracted or totally luxated teeth.

The Fiber-Splint Lab System is recommended in dental laboratories for:

- Temporary restorations on implant abutments
- Internal frameworks for bridges
- External frameworks for adhesive bridges
- Reinforcement of new full or partial dentures
- Retention of single teeth in temporary wire braces
- All types of reinforcement of splits or breaks and thin, vulnerable parts of dentures

Fiber-Splint™ Lab System
Cost:
1. Fiber-Splint Lab Bridge (4 mm wide, 1 m long)
2. Fiber-Splint Lab Ret (20 mm wide, 1 m long)
3. Fiber-Key (1 fiber-band 5 mm)
4. Fiber-Splint (2 x 48 ml) + 12 mixing tips
5. Isolab (850 ml)

Refill packs:
Fiber-Splint Lab Bridge REF 6505e (4 mm wide, 1 m long)
Fiber-Splint Lab Ret REF 6515e (20 mm wide, 1 m long)
Fiber-Key (5 pcs.) REF 6522
Fiber-Bond (2 x 5 ml) REF 6525
Fiber-Plast (3 x 48 ml) + 12 mixing tips REF 6547
Isolab (450 ml) REF 6530

ADVANTAGES
- Cost-effective
- Fast and easy
- Reliable
- Biocompatible
- Resistant
- Aesthetic

Advantages
- Outstanding results
- Strong and reliable
- Time-saving application
- No expiry date

ADVANTAGES
- Perfect fitting of the fibre to the surfaces thanks to the Fiber-Plast silicone key that allows for reconstruction of the initial situation
- The transparent Fiber-Plast silicone allows for polymerization through the impression
- Excellent aesthetic results

Description  Art No.
Fiber-Splint Lab System  REF 6500e
Content:
1 Fiber-Splint Lab Bridge (4 mm wide, 1 m long)
1 Fiber-Splint Lab Ret (20 mm wide, 1 m long)
3 Fiber-Keys, 1 Fiber-Bond (5 ml)
2 Fiber-Plast (2 x 48 ml) + 12 mixing tips
1 Isolab (850 ml)
Clipon & L-Clipon
Fit virtually any spectacle and loupes frame

Plastic clips to fit protective shields on prescription spectacles (Clipon) and loupes (L-Clipon). Clipon is supplied with shields in the classical size for prescription spectacles. L-Clipon instead is available with larger shields to fit over magnifying glasses.

Vista-Tec Orange shields
Perfect protection from high-intensity light

Protect your eyes from dangerous blue light frequencies coming from curing lights (Halogen, LED, Neon light).

The high quality of these orange-tinted shields allows an excellent optical view, while keeping your eyes safe. These shields are easily fixed on Vista-Tec frames to assure a comfortable, lightweight and effective barrier against high-intensity light emitted when using curing lights.

Available as full-face shield and as eyeshield, which is also suitable to protect patients. These lenses are easily cleaned and reusable.

Vista-Tec™ Orange shields

<table>
<thead>
<tr>
<th>Description</th>
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<tbody>
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<td>3 Orange faceshields</td>
<td>REF 5617</td>
</tr>
<tr>
<td>5 Orange eyeshields</td>
<td>REF 5616</td>
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</table>

Frames and information refer to Vista-Tec Shields. Please see page 24.

BluBloc
Protective glasses

- Full eye protection from blue light
- Orange tinted, high-quality acrylic lenses
- High filtering performance (up to 470 nm)
- Metal frame
- Complying with EN 1836 regulation

Vista-Tec™ ultra light Eyeshield
Feather-light protective shield

Vista-Tec shields are available also as eyewear, suitable for patients as well. These eyeshields assure clear visibility, prevent fogging, glare and scratching.

The special design of this eyeshield provides comfortable and complete protection. Also adapt to be used with surgical masks.

ADDITIONS
- Ultra light eye-protection
- Adapted to use with surgical masks
- Frame available in six colors

ADDITIONS
- Ultra light (16 g)
- Clip integrated into frame for a practical fixing of the shield
- Angle and height adjustable shield
- Comfortable to wear
- Full facial protection
- Scratch resistant
- Frame available in six colors

... choose your color!

See the video demonstration on www.polydentia.com

Vista-Tec™ ultra light Feather-light protective shield

Vista-Tec provides a full facial protection (nose, mouth, eyes) and an excellent optical view.

Very comfortable to wear and elegantly designed, Vista-Tec provides prompt positive patient acceptance.

The protective shields are made of first quality transparent, environment-friendly plastic, are scratch resistant, antifogging and do not yellow when subjected to daylight.

They can be used several times as they can be cleaned easily. Shields are also available separately as refills. The frame is available in six different colors: white, transparent, yellow, blue, pink, and green.

The shield always remains in place and together with the slim, ultra light frame can be worn comfortably all day. Once inserted on the frame, the shield is angle and height adjustable.

ADDITIONS
- Easy to fix and remove
- Comfortable, lightweight and transparent
- Full facial protection
- Scratch resistant

Vista-Tec Shield

- Comfort, protection and style since 1989

Polydentia Clean
Always a clear view

Unique eye-wear cleaning solution providing effective though gentle cleanse & care of Vista-Tec shields and frames. Gentle on materials but hard on dirt and bacteria: it successfully removes dust, grease, oils, etc. Spray directly on shields or on a soft tissue and polish. No need to wash away. The liquid evaporates quickly leaving no residues or streaks. This gentle but efficacious cleaning enhances the duration of your Vista-Tec. Practical pump spray bottle of 125 ml (4.22 oz.) environment and ozone friendly, provides more efficient dosing compared to pre-moistened wipes, and longer product’s shelf-life. It has an anti-static effect, is adapted for all surfaces, and is also suitable to clean spectacles and protective glasses. Less than 1% content of alc.
**Cotton roll holder**

- Provides a dry working field
- For use on both upper and lower arches
- Especially suitable for the treatment of children, dental sealants, etc.
- Does not restrict access or visibility within the mouth
- Made of stainless steel
- Autoclavable at 134 °C (273 °F)

**Amalgam guns**

- Made of high-resistant stable plastic
- Easy to disassemble for cleaning
- Ensure a clog-free use
- Autoclavable at 134 °C (273 °F)
- Available in four different shapes
- Tip diameter: 2.3 mm

**Pick-it-easy**

To easily hold and precisely place small and fragile items

Smart device, with an adhesive tip to easily pick up, hold and securely place small and fragile items. A precious help to pick up one single matrix or wedge at the time from their box, without disturbing them and granting maximum hygiene. Also suitable to pick up and place veneers, dental jewels, and many other small items. Pick-it-easy is pressure-sensitive. It attaches to the items surface with minimal pressure, and gently releases them with a light twist, without leaving any adhesive residue. Pick-it-easy is made of flexible plastic. Adhesive tips don’t lose their sticking power and can be used several times. Clinical procedures are easier and faster.

**ID-Rings and Maxi ID-Rings**

- Code rings for easy identification of hand instruments
- Made of elastic silicone rubber
- Autoclavable at 134 °C (273 °F)
- Available in ten different colors
- ID-Rings size: external diameter 6 mm; internal diameter 3 mm
- Maxi ID-Rings size: external diameter 9 mm, internal diameter 6 mm; for the color-coding of instruments with a larger handle diameter (e.g. extracting forceps)
**Occlublu**  
*For an easy and accurate detection of high spots and pressure points*

Occlublu allows an accurate detection of high spots when trial seating single crowns, inlays, onlays, telescopic crowns, clasps or slide attachments. It can also be used to locate pressure areas on dentures. Occlublu is thus perfect for checking the fit of the restoration’s margins and its approximal, occlusal or mucosal surfaces. The practical dropper bottle with separate application brush is appropriate for the hygienic use in the dental practice. The marking liquid is easily brushed on the prosthesis and leaves, after a rapid evaporation of the solvent, an ultra-thin film (approx. 3 μm). Occlublu is quickly removed by applying water or alcohol and then rubbing.

**Holdy**  
*A touch of color in the dentist’s office*

Holdy is a napkin holder made of polypropylene in a one piece design. Lightweight and comfortable to wear, Holdy is available in a range of six bright colors adding a cheerful touch to every exam. Holdy is supplied in bags of ten pieces.

**Anti-Mist**  
*Defogger pen*

The instant defogger pen Anti-Mist has been specially formulated to prevent fogging on dental mirrors and glasses. The pen allows an easy and quick use and is more economical compared to a spray.

**Hy-Drop**  
*The hygienic liquid dispenser*

Hy-Drop is an hygienic liquid dispenser for medicines, alcohol, antiseptics and many others. Hy-Drop holds 4 ml which is approximately the daily requirement of antiseptics for dental treatments and delivers the liquid drop by drop, whenever the membrane is gently pressed. Hy-Drop provides an efficient dosage control by a single-handed operation. The membrane can be changed and autoclaved at 134 °C (273 °F) after each patient to prevent any cross-contamination. Hy-Drop is easy to clean. In addition, several liquid dispensers can be put together to save space. Hy-Drop is available in five different colors to prevent mix-ups over the contents of each dispenser. Each container is supplied with five membranes.

### ADVANTAGES

**Occlublu**
- Fast drying
- Perfect for highly polished surfaces, such as metal, gold or ceramic

**Holdy**
- Comfortable to wear
- Economical
- Autoclavable at 121 °C (260 °F)
- Available in six bright colors

**Anti-Mist**
- Instant defogger pen
- Easy and quick use
- Precise application

**Hy-Drop**
- Efficient dosage
- No cross-contamination
- Single-handed operation
- Also for micro-brushes and micro-applicators
- Membranes can be autoclaved at 134 °C (273 °F)
**Order form**

Please send me the following items through my dental dealer:

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>REF</th>
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Address Dental Dealer

Stamp, signature and date