Thank you for choosing
Polydentia

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 innovating 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.

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.

Polydentia SA
Alfred Schaffner
President

Polydentia SA
Claudia Schaffner-Paffi
Vice President

Would you like to be informed on our products and the events we take part to?
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### Tofflemire Matrices Microthin (0.025 mm)
- Memory-free matrices to use with composites and spherical amalgams, where tight contact is difficult to achieve. The matrices stay put when burnished against adjacent teeth.
- Soft stainless steel
- Microthin 0.025 mm (.001”)
- Suitable also for use in very narrow interdental spaces
- The softness of the material allows perfect and continuous adaptation of the matrix to the tooth

### Superthin Matrices (0.03 mm)
- Stainless steel
- Anatomically preformed and superthin 0.03 mm (.0012”)
- Available in three different shapes for premolars and molars

### Tofflemire Matrices (0.03 - 0.04 mm)
- Stainless steel 0.03-0.04 mm (.0012”-.0015”)
- Easy to burnish
- Economical
- Can be used with any universal matrix retainer

### Siqveland Matrices (0.05 mm)
- Stainless steel 0.05 mm (.0019”)
- Can be used with any universal matrix retainer

### Tofflemire Contoured Matrices 0.04 mm and microthin 0.025 mm
- Stainless steel
- Anatomically preformed
- Can be used with any matrix retainer
- Available also microthin (0.025 mm, .001”)
- Easy to burnish

---

All matrices with this symbol are compatible with our Maximat Plus tensioning system.
**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

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**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

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**ST matrix strip (0.03 mm)**
- Stainless steel
- Superthin 0.03 mm (.0012")

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**Soft matrix strip (0.05 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

---

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**Matrix strip 0.05 (0.05 mm)**
- Stainless steel
- Thickness 0.05 mm (.0019")
- Economical

---

**Universal matrix retainer (straight)**
- Stainless steel
- Universal and lightweight
- Suitable for all types of metal and polyester matrix bands and matrices
- Can be autoclaved at 134°C (273°F)

---

All matrices with this symbol are compatible with our Maximat Plus tensioning system.
**TRANSPARENT POLYESTER MATRICES**

- for a perfect polymerization

### 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 matrix 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.

### Clearmat matrices

These anatomically preformed, transparent polyester matrices allow a complete light-curing of the approximal boxes of any MOD-composite restoration on premolars and molars. Good adaptation as well as good contact points.

### 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.

### Transparent Anterior matrices

Polyester strips, anatomically preshaped (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.

### Occlustrip

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.

---

All matrices with this symbol are compatible with our Maximat Plus tensioning system.
DISPENS-O-MAT

- self-adhesive matrices
- made of transparent polyester
- practical and efficient dispenser
- no need for a matrix retainer

Dispens-O-Mat Anterior
For class III anterior restorations

Very thin (0.05 mm / .0019”), transparent and self-adhesive matrices, suitable for all conventional and light-cured composite materials. No finger nor strip clamp needed to hold. Available in three different heights.

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Dispens-O-Mat Incisal
For class IV anterior restorations

A new method to restore incisal edges, corners and extended crown fractures faster and more economically. Transparent, thin (0.05 mm / .0019”) and self-adhesive matrices, with a non-adhering working portion, allowing to create a smooth-surfaced, void-free restoration, with optimum contact points and no excess material. Minimizes finishing and polishing work.

Dispens-O-Mat Posterior
For all conventional and light-cured composite materials on posterior teeth

The self-adhesive ends of these very thin (0.05 mm / .0019”), transparent matrices eliminate the need for a matrix retainer, that blocks out light-curing rays, particularly in case of a cusp reconstruction. Properly placed and fixed with transparent wedges (e.g. our wedges “The Wedge”), these matrices allow a complete light-curing of all cavity surfaces, even the approximal boxes of MOD cavities. The matrix can be placed in a buccal, lingual or palatal position, and is also suitable for inlay insertion. Available in three different heights, for premolars and molars.
ADVANTAGES

- Provides tight approximal contacts in posterior composite restorations
- Compatible with any standard rubber dam clamp forceps
- The only one available with silicone tubes to place over the tines
- Contoured sectional matrices thin 0.04 mm and microthin 0.025 mm
- NEW contoured sectional matrices for extended cervical preparations
- Quick rings can be superimposed in case of MOD cavities
- Splinter-free maple wood wedges included in the kit

NEW Pick-it-easy
Easy pick up of matrices and wedges? See page 19

Quickmat Deluxe
The ideal sectional matrix system for perfect contact points in the new deluxe edition

Quickmat Deluxe is the easy-to-use sectional matrix system, ensuring the achievement of optimal, tight, properly contoured and finished contact points. The contoured matrices adapt fully to the contact area of the adjacent tooth and, in conjunction with the wooden wedges, surround the cervical shoulder perfectly. Additionally for narrow interdental spaces the unique contoured sectional matrices microthin 0.025 mm (.001”) are easy to burnish and allow achievement of the tightest contact points.

For extended cervical preparations, contoured sectional matrices with a special extension, provide anatomically correct contours and consistently tight proximal contacts also in case of subgingival restorations. The Quick ring is made of stainless steel and can be sterilized in an autoclave at 134°C (273°F). The special angulation of the tines allows easy placing of two Quick rings one on top of the other when restoring MOD cavities.

With larger approximal box extensions, silicone rubber tubes can be placed over the tines to prevent them penetrating too deeply into the interdental space. Quick rings are easily placed in position using standard rubber dam clamp forceps. Expensive special forceps are not required.

MOD restorations. Place sectional matrices and wedges on both sides of the tooth. Quick rings are designed not to interfere with one another.

For large cavities place silicone tubes on the Quick rings. Silicone tubes also offer enhanced grip to the matrix, prevent the tines penetrating too deeply into the interdental space, avoiding trauma to the gengiva.

Quickmat contoured sectional matrices range:

- Thin 0.04 mm (.0015”) 5 mm high and 6.4 mm high
  REF 5705 / REF 5706
- Thin 0.025 mm (.001”) 5 mm high and 6.4 mm high
  REF 5735 / REF 5736
- With extension, for subgingival restorations: Thin 0.04 mm (.0015”) 5 mm high and 6.4 mm high
  REF 5745
- With extension, for subgingival restorations: Microthin 0.025 mm (.001”) 5 mm high and 6.4 mm high
  REF 5756

Description | Art. No.
---|---
Quickmat Deluxe Kit | NEW REF 5701
Content:
5 Quick rings
10 silicone tubes
200 contoured sectional matrices 0.04 mm thin,
100 pcs. 5 mm 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

Quickmat Kit | REF 5700
Content:
5 Quick rings
10 silicone tubes
200 contoured sectional matrices 0.04 mm thin,
100 pcs. 5 mm and 100 pcs. 6.4 mm high
100 assorted wood wedges

Refill packs:
100 contoured sectional matrices,
(5 mm high, 0.04 mm thin) REF 5705
100 contoured sectional matrices,
(5 mm high, 0.025 mm microthin) REF 5735
100 contoured sectional matrices,
(6.4 mm high, 0.04 mm thin) REF 5706
100 contoured sectional matrices,
(6.4 mm high, 0.025 mm microthin) REF 5736
50 contoured sectional matrices with extension,
(6.4 mm high, 0.04 mm thin) REF 5746
50 contoured sectional matrices with extension,
(6.4 mm high, 0.025 mm microthin) NEW REF 5756
5 Quick rings + 10 silicone tubes REF 5710
50 silicone tubes REF 5711
**Quickmatrix Forceps**

*For accurate placement and easy removal of sectional matrices*

This superior tool ensures easy placement of Quickmat sectional matrices and simplifies their removal once the tooth is restored and light contact points achieved. The special angulation of the tips is engineered to prevent distortion of the Quickmat sectional matrices contoured shape. Tips with ribbing assure extra firm gripping; tungsten carbide coating prevents tips deterioration. In addition these ergonomic and light forceps stay securely in the hand and provide a comfortable working situation for practitioner and patient. The slim design assures excellent overview and the spring system optimal tactile sensitivity. Made of first quality surgical stainless steel. Autoclavable at 134°C (273°F).

**Rubber Dam Clamp Forceps**

- 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

**Cervical Former**

A practical cervical matrix forming system. A rigid yet flexible matrix with the correct contour to protect the filling against moisture and help create denser, non-porous restorations with less wasted filling material. Can be trimmed with scissors. The matrices are double-ended, made of unbreakable transparent polyester allowing a good visual control of the filling material. They are light-permeable and do not adhere to any composite restorative materials. The matrix has to be inserted into the holder, and helps to compress composite material into the lesion adapting to all walls of the cavity. The holder is available in two different shapes: short and straight for the front teeth, and long and bent for the front and posterior teeth.
Description | Art. No.
---|---
Maximat Plus Kit | REF 5190

**Content:**
- 1 tensioning instrument
- 10 empty spools
- 5 spools with pre-loaded, contoured metal matrices, 0.04 mm thin, 5.5 mm high
- 5 spools with pre-loaded, contoured metal matrices, 0.04 mm thin, 6.3 mm high
- 10 Tofflemire matrices microthin (0.025 mm), 5.5 mm high
- 10 Tofflemire matrices microthin (0.025 mm), 6.3 mm high
- 30 The Wedge wedges, assorted

**Refill packs:**
- 30 empty spools | REF 5121
- 100 empty spools | REF 5122
- 30 spools with pre-loaded, contoured metal matrices, 0.04 mm thin, 5.5 mm high | REF 5123
- 30 spools with pre-loaded, contoured metal matrices, 0.04 mm thin, 6.3 mm high | REF 5124
- 30 spools with pre-loaded, contoured metal matrices, 0.025 mm thin, 5.5 mm high | REF 5125
- 30 spools with pre-loaded, contoured metal matrices, 0.025 mm thin, 6.3 mm high | REF 5126
- 50 Tofflemire matrices microthin (0.025 mm), 5.5 mm high | REF 5921
- 50 Tofflemire matrices microthin (0.025 mm), 6.3 mm high | REF 5920

**ADVANTAGES**
- Eliminates the need for a conventional matrix retainer
- Only the matrix spool remains in the mouth during treatment: no lever action and greater patient comfort
- Fast and easy application
- Tightening of the matrix can be performed only with one hand
- Better overview during the filling phase
- Several fillings can be placed simultaneously in the same quadrant
- Pre-loaded matrices save time
- Optimum contact points with the wedges included in the kit
- Versatile: the system can be used with any type of matrices up to 7 mm height

**Maximat Plus™**

**Fast and simple restorations thanks to the ergonomic tensioning instrument**

Maximat Plus eliminates the need for a conventional matrix retainer. This universal tensioning system for plastic and metal matrices in the posterior region is fast and easy to use: after the matrix spool is placed on the tooth, tightening of the matrix can be performed with just one hand and precisely monitored by the dentist. Once the matrix is wound to the desired tension, simply remove the instrument.

As only the matrix spool remains in the mouth during treatment, Maximat Plus allows a **better overview** during the filling phase, contributing also to the patient’s and the dentist’s comfort. Furthermore, the small matrix spool does not interfere with wedging. Maximat Plus **avoids the excessive leverage** associated with conventional matrix retainers, so the matrix is not distorted approximately and a perfect contact point can be achieved.

With the Maximat Plus several fillings can be placed simultaneously in the same quadrant. Once treatment is completed, the matrix is simply removed by reinserting the tensioning instrument. All standard posterior teeth matrices up to a maximum width of 7 mm can be used with the Maximat Plus. To ensure the highest standards of hygiene, the matrix spool has been designed for single use only. The tensioning instrument, on the other hand, is made of stainless steel and high-quality amorphous plastic, and can be sterilized in an autoclave (resistant to temperatures of over 134°C – 273°F). For even greater rapidity and convenience, the spools are also supplied with **pre-loaded contoured metal matrices** (thickness: 0.04 mm /0.0015” and microthin 0.025 mm /0.001”).

All matrices with this symbol are compatible with our Maximat Plus tensioning system.
Universal Pre-polish

Polydentia 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 mini-point 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, compomer and glass ionomer materials.

- Wear resistant
- Autoclavable at 134°C (273°F)

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.

- Innovative triangular shape helps protect the contact point
- Available in three different grit sizes

Abrasice Polishing Strip

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

- Strip length adaptable to treatment situation
- Available in three different grit sizes
- Practical dispenser with tear-off device

Description | Quant. | Art. No.
--- | --- | ---
Fine (30 μm grit) | 100 pcs. | REF 5504
Medium (40 μm grit) | 100 pcs. | REF 5505
Coarse (60 μm grit) | 100 pcs. | REF 5506

Description | Length | Art. No.
--- | --- | ---
Fine (30 μm grit) | 10 m | REF 5511
Medium (40 μm grit) | 10 m | REF 5501
Coarse (60 μm grit) | 10 m | REF 5502

Description | Quant. | Art. No.
--- | --- | ---
Pre-polish cup, brown | 12 pcs. | REF 5520
Pre-polish flame, brown | 12 pcs. | REF 5522
Pre-polish mini-point, brown | 12 pcs. | REF 5524
Polish cup, green | 12 pcs. | REF 5530
Polish flame, green | 12 pcs. | REF 5532
Polish mini-point, green | 12 pcs. | REF 5534
Universal Polishers assortment | 12 pcs. | REF 5540

Description | Quant. | Art. No.
--- | --- | ---
Pre-polish cup, yellow | 12 pcs. | REF 5550
Pre-polish flame, yellow | 12 pcs. | REF 5552
Pre-polish mini-point, yellow | 12 pcs. | REF 5554
Polish cup, red-brown | 12 pcs. | REF 5560
Polish flame, red-brown | 12 pcs. | REF 5562
Polish mini-point, red-brown | 12 pcs. | REF 5564
Composite Polishers assortment | 12 pcs. | REF 5570
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). Seat 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.

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

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.

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 (650 MPa). In addition, the stability of the post-and-core restorations is also increased by the high flexural strength (1500 MPa) of the post.
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)

Sem 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

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<tr>
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<tr>
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<tr>
<td>5 posts + 1 precision drill Ø 1.5 mm</td>
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<td>1 precision drill Ø 1.5 mm</td>
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<td>Refill packs:</td>
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<td>Polydentia GF Posts  10 posts Ø 1.3 mm</td>
<td>REF 5293</td>
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<tr>
<td>Polydentia GF Posts  10 posts Ø 1.5 mm</td>
<td>REF 5295</td>
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<tr>
<td>Polydentia GF Posts  10 posts Ø 1.7 mm</td>
<td>REF 5297</td>
</tr>
<tr>
<td>1 precision drill Ø 1.1 mm</td>
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<td>REF 5286</td>
</tr>
<tr>
<td>1 precision drill Ø 1.7 mm</td>
<td>REF 5288</td>
</tr>
</tbody>
</table>

Polydentia GF Posts
Translucent, optimal light transmission

Healthy tooth

Restoration with metal post

Apical concentration

Restoration with glass fiber post

Homogeneous distribution
Interdental wood wedges

Made of top-quality, splinter-free maple wood ensuring stability and matrix adaptation

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 approximal polymerization of all light-cured filling materials
- Available in two different sizes

ADVANTAGES

- Anatomical shape ensures optimum adaptation of matrices along the entire cervical margin
- Square end provides a secure grip and easy insertion
- Provide perfect separation of the teeth to compensate for the thickness of the matrix band, thus creating tight contact points
- Help to avoid overhangs
- Made of certified wood from sustainably managed forests
- Available in 5 sizes, 11 mm the smallest anatomical wood wedges, perfect also for pediatric applications, 12 mm, 13 mm, 15 mm and 17 mm, all color-coded
ADDITIONS

- 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.

Description  Quantity  Art. No.
ultrasmall  100 pcs.  REF 7011
small  100 pcs.  REF 7012
medium  100 pcs.  REF 7013
large  100 pcs.  REF 7015
assorted  100 pcs.  REF 7001
assorted  400 pcs.  REF 7040

DE Pat. 10 2004 022 778
US Pat. 7,425,130

Clinical Tips
Insertion angle of 45° from coronal: "The Wedge" automatically follows the anatomy of the interdental space.
Select proper size, the wedge has to show a noticeable resistance, when placed.

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.
Cotton roll holder

- Provides a dry working field
- For use on both upper and lower arches
- Does not restrict access or visibility within the mouth
- Made of stainless steel
- Autoclavable at 134°C (273°F)

Transparent plastic instruments for composite

Composite placement and filling instruments, double-ended, highly transparent, made of a special amorphous polymer, permitting complete light-curing of a restoration through the working ends of the instrument. Ideal for maintaining tight contacts when placing posterior composites; the instrument makes it possible to hold a matrix band firmly against the adjacent tooth and permits complete polymerization in a single cure cycle. Autoclavable at 134°C (273°F). These extremely resistant instruments have an ergonomic handle and do not adhere to the composite filling materials. Available in two different shapes.

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

Description | Art. No.
--- | ---
1 cotton roll holder | REF 5405/1
4 cotton roll holders | REF 5405/4

Instrument 1:  REF 5962
Instrument 2:  REF 5964

ADVANTAGES

- Highly transparent and resistant
- Ergonomic shape
- Autoclavable at 134°C (273°F)
- Permit complete polymerization

Description | Art. No.
--- | ---
Instrument 1:  REF 5962
Instrument 2:  REF 5964

Description | Art. No.
--- | ---
45° curved - 1 pce. | REF 5811
straight - 1 pce. | REF 5812
90° curved - 1 pce. | REF 5813
110° curved - 1 pce. | REF 5814

Instrument 1
Instrument 2

Instrument 1
Spatula
Spatula

Instrument 2
Pointed and conical tip
Pointed and conical tip

Instrument 1
45° curved

Instrument 2
90° curved

Instrument 1
straight

Instrument 2
110° curved
**ID-Rings**

- Code rings for easy identification of hand instruments
- Made of elastic silicone rubber
- Size: external diameter 6 mm; internal diameter 3 mm
- Autoclavable at 134°C (273°F)
- Available in nine different colors

**Maxi ID-Rings**

- For the color-coding of instruments with a larger handle diameter (e.g. extracting forceps)
- Made of elastic silicone rubber
- Size: external diameter 9 mm; internal diameter 6 mm
- Autoclavable at 134°C (273°F)
- Available in nine different colors

---

**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, fragile items.

A precious help to pick up one single matrix or wedge at the time from their box, without distorting 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.
Occlu Blu

For an easy and accurate detection of high spots and pressure points

Occlu Blu 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. Occlu Blu 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 an incredibly rapid evaporation of the solvent, an ultra-thin film (approx. 3 μm). Occlu Blu is quickly removed by applying water or alcohol and then rubbing.

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

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.

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

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 a hygienic liquid dispenser for medicines and antiseptics such as alcohol, hydrogen peroxide, 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 sterilized after each patient to prevent any cross-contamination. Membranes are autoclavable at 134°C (273°F), whereas the container at 121°C (260°F).

Hy-Drop is made of polypropylene and 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**

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Art. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 dispenser + 5 membranes</td>
<td>REF 5411/Y</td>
</tr>
<tr>
<td>Yellow</td>
<td>REF 5411/Y</td>
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<tr>
<td>Orange</td>
<td>REF 5411/O</td>
</tr>
<tr>
<td>Green</td>
<td>REF 5411/G</td>
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<tr>
<td>Blue</td>
<td>REF 5411/B</td>
</tr>
<tr>
<td>Violet</td>
<td>REF 5411/V</td>
</tr>
<tr>
<td>Membranes refill pack of 5 pcs.</td>
<td>REF 5415</td>
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</tbody>
</table>

A gentle pressure on the membrane with cotton pliers, micro-brush or micro-applicator releases the required liquid economically, drop by drop.

Several dispensers can be put together to save space.
**Face shields and protective glasses**

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

**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

**Polydentia Clean**
Always a clear view

Unique eyewear cleaning solution provides 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 cleanup 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 adapt for all surfaces, also suitable to clean spectacles and protective glasses. Less than 1% content of alcohol, lightly scented formula.

---

**Clipon & L-Clipon**
Fit virtually any spectacle and loupes frame

Plastic clip 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.

---

**Frames order information refer to Vista-Tec Shields Page 23**

---

**For spectacle wearers, Clipon:**
- 2 Clipon, 5 shields REF 5622
- Refill packs:
  - 5 shields REF 5617
  - 10 shields REF 5616

**For loupes, L-Clipon:**
- 2 Clipon, 5 L-shields REF 5630
- Refill packs:
  - 5 L-shields REF 5631
  - 10 L-shields REF 5632

---

**Polydentia Clean**
Always a clear view

Unique eyewear cleaning solution provides 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 cleanup 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 adapt for all surfaces, also suitable to clean spectacles and protective glasses. Less than 1% content of alcohol, lightly scented formula.

---

**ADVANTAGES**
- Bactericidal
- Gentle on surfaces
- Anti-static
- Fast evaporating - no residues
- Enhances duration of your Vista-Tec shields and frames
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, antiglare, antifog 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.

... choose your color!

ADVANTAGES
- 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

Description | Art. No.
--- | ---
Ultra light Eco 1 frame + 5 shields | REF 5621/W
white | REF 5621/W
yellow | REF 5621/Y
blue | REF 5621/B
transparent | REF 5621/T
pink | REF 5621/P
green | REF 5621/G

Ultra light Classic 1 frame + 10 shields + 2 Clipon | REF 5624/W
white | REF 5624/W
yellow | REF 5624/Y
blue | REF 5624/B
transparent | REF 5624/T
pink | REF 5624/P
green | REF 5624/G

Refill packs:
- 5 shields | REF 5617
- 10 shields | REF 5616

1 frame | REF 5614/W
white | REF 5614/W
yellow | REF 5614/Y
blue | REF 5614/B
transparent | REF 5614/T
pink | REF 5614/P
green | REF 5614/G

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. Adapt also to be used with surgical masks.

Description | Art. No.
--- | ---
Kit 1 frame + 5 eyeshields | REF 5628/W
white | REF 5628/W
yellow | REF 5628/Y
blue | REF 5628/B
transparent | REF 5628/T
pink | REF 5628/P
green | REF 5628/G

Refill packs:
- 5 eyeshields | REF 5618
- 10 eyeshields | REF 5619

ADVANTAGES
- Ultra light eye-protection
- Adapt to use with surgical masks
- Frame available in six colors

NEW packaging 2008

Comfort, protection and style since 1989

NEW packaging 2008

RE-USABLE SHIELDS!
Keep shields and frame clean using the NEW Polydentia Clean.
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.

- Indispensable for endodontic instruments
- Eight different colors easily code the sterilization cycles
- 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.

- Practical dispenser
- Integrated measuring ruler
- Refillable

<table>
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<td>Stop-Card white</td>
<td>100 pcs.</td>
<td>REF 5309/2</td>
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<tr>
<td>Stop-Card yellow</td>
<td>100 pcs.</td>
<td>REF 5309/3</td>
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<tr>
<td>Stop-Card red</td>
<td>100 pcs.</td>
<td>REF 5309/4</td>
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<tr>
<td>Stop-Card blue</td>
<td>100 pcs.</td>
<td>REF 5309/5</td>
</tr>
<tr>
<td>Stop-Card green</td>
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<td>REF 5309/6</td>
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<tr>
<td>Stop-Card black</td>
<td>100 pcs.</td>
<td>REF 5309/7</td>
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<tr>
<td>Stop-Card red-brown</td>
<td>100 pcs.</td>
<td>REF 5309/8</td>
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</tbody>
</table>
**ADVANTAGES**

- Replaceable cleaning sponges
- Integrated measuring ruler
- Guides for different instrument sizes
- Ergonomic shape
- Autoclavable at 134°C (273°F)

---

**Endo-Gauge V02**

A simple and easy method for quickly setting the desired working length of endo instruments, from 9 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.

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

Fiber-glass band

Offers a metal-free, aesthetic and non invasive solution for periodontally loosened teeth, post-traumatic mobility, surgical reimplantation, reinforcement of temporary bridges and for orthodontic stabilization.

ADVANTAGES

- Allows metal free, 100% biocompatible splintings, bridges or orthodontic retainers
- Non-invasive application requiring minimum tooth preparation
- The result is highly aesthetic and comfortable for the patient
- Can be used with Fiber-Bond by Polydentia or any light-cured bonding agents
- Easy and fast application by using unique Polydentia application clips
- Reliable and flexible glass-fiber bands for outstanding results
- Cost-effective and time-saving, excellent results are achieved in a single session
- Optimal manageability, no special scissors or gloves are needed
- Indefinite shelf life, no special conservation required
- Supplied in a practical dispenser box

Easy application

The application is fast and easy; bond the glass fiber strip, apply on the etched and bonded palatal/lingual surfaces and light-cure. The special application clips provided with the kit permit to keep the strip in position during polymerization and allow perfect adaptation in the interdental spaces.

Fiber-Splint™

One-layer, thin and versatile

Extremely thin fiber-glass band (0.05 mm / .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.

Description | Art. No.
--- | ---
Fiber-Splint (4 mm wide, 3 m long) | REF 5970
+ 5 Application clips | 
Fiber-Bond 2 bottles 3 ml each | REF 5973
Application clips 10 pcs | REF 5975
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.

---

### F-Splint-Aid

**Fiber-Splint ML Multi-Layer, soaked in bonding agent**

Ready-steady-splint! A smart bottle that contains Polydentia’s bonding agent Fiber-Bond and multi-layer glass fiber band, Fiber-Splint ML. **Suitable for 4-5 applications, this product is ideal for situations where urgent, unexpected treatment is required.**

Application is extremely fast, cut the piece of already impregnated Fiber-Splint ML band according to the desired length, place it on the etched and bonded palatal/lingual surfaces, hold it in position with the special application clips and light-cure. The glass fiber band does not fray when cut. No waste of bonding agent and ease of use as the glass fiber band is already impregnated.

---

**ADVANTAGES**

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

**ADVANTAGES**

- Fast application
- All-in-one solution for 4-5 applications
- Practical with application clips

---

**Description** | **Art. No.**
---|---
Fiber-Splint ML (4 mm wide, 50 cm long) | REF 5971
Fiber-Splint-Aid | NEW REF 5972
Fiber-Bond 2 bottles 3 ml each | REF 5973
Application clips 10 pcs. | REF 5975

**Content:**

Fiber-Splint ML Multi-Layer (4 mm wide, 12 cm long) soaked in Fiber-Bond, 5 Application clips

**Description** | **Art. No.**
---|---
F-Splint-Aid | NEW REF 5972
Content: Fiber-Splint ML Multi-Layer (4 mm wide, 12 cm long) soaked in Fiber-Bond, 5 Application clips
Fiber-Bond 2 bottles 3 ml each | REF 5973
Application clips 10 pcs. | REF 5975

**US Pat. 5 786 283**
**Fiber-Splint™ ML Mini Starter Kit**

By using our kit, extremely slender and strong semipermanent splints can now be fabricated with little effort. As the strip is adapted with the custom-made Fiber-Plast silicone key, excellent results are achieved in less time.

For an even easier use, the Kit includes a CD-Rom with a clear video presentation of the system.

**ADVANTAGES**

- Aesthetic
- Non-invasive
- Biocompatible

**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.
Laboratory

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 fiber-glass strips, which are easy, cost-effective, and quick to work with. The silanisation of the fiber-glass strips creates an excellent bond with the resin. Superior aesthetic results can be achieved with the use of the Fiber-Splint Lab System because the fiber-glass 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

ADVANTAGES

- Cost-effective
- Fast and easy
- Reliable
- Biocompatible
- Resistant
- Aesthetic
- CD-Rom included in the Kit, with video user guide

<table>
<thead>
<tr>
<th>Description</th>
<th>Art. No.</th>
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<tbody>
<tr>
<td>Fiber-Splint Lab System</td>
<td>REF 6500e</td>
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<tr>
<td>Content:</td>
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<tr>
<td>1 Fiber-Splint Lab Bridge (4 mm wide, 1 m long)</td>
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</tr>
<tr>
<td>1 Fiber-Splint Lab Ret (20 mm wide, 1 m long)</td>
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<tr>
<td>3 Fiber-Keys, 1 Fiber-Bond (5 ml)</td>
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<td>2 Fiber-Plast (2 x 48 ml)</td>
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<td>12 mixing tips</td>
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<td>1 Isolab (50 ml)</td>
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<td>1 CD</td>
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Refill packs:

- Fiber-Splint Lab Bridge (4 mm wide, 1 m long) REF 6510
- Fiber-Splint Lab Ret (20 mm wide, 1 m long) REF 6511
- Fiber-Key (3 pcs.) REF 6522
- Fiber-Bond (2 x 5 ml) REF 6525
- Fiber-Plast (2 x 48 ml cartridges + 12 mixing tips) REF 5974
- Isolab (450 ml) REF 6530

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