product catalogue english





solutions for real composers

polydentia

Polydentia has been developing and producing dental products in southern Switzerland for more than 40 years.

We are a family business where the new generation has managed to maintain the strong authentic Swiss entrepreneurial values, bringing great dynamism to the development of new products, constantly listening to the needs of the market and creating strong ties and collaborations with opinion leaders worldwide. Our mission is to continue producing the best Swiss quality solutions that enable dentists to simplify their daily practice and improve patient care.

Passion, innovation and quality are the values that guide us in our daily work looking for practical and attractive solutions to benefit the needs of modern conservative and aesthetic dentistry of our times.

Thank you for your trust,

Claudia Schaffner Paffi Chief Executive Officer

www. polydentia. ch



Index

Restorative

Anterior matrix systems	9
Posterior sectional matrix systems	10
Forceps	17
Junior sectional matrix systems	18
Rings, extremities and resin refills	20
Professional opinions	21
Tensioning matrix system	22
Steel matrices	23
Anterior matrix	26
Sectional matrices	27
Transparent matrices	28
Wedges	30
Polishing and abrasive strips	34

Splinting

Fiber-Splint kits	39
Refills	42
Clinical applications	42
Professional opinions	43

Protective face- and eyeshields

Faceshields	46
Eyeshields	47
Refills	48

Instruments and accessories

Hygienic liquid dispenser	52
Transparent instruments	53
Endodontic accessories	54
Identification accessories	55
Cotton roll holder	55

Symbols

((((Ultrasonic bath
¥	Washer-disinfector for thermal disinfection
134 °C 111	Sterilizable in a steam sterilizer (autoclave) at the temperature specified
2	Do not reuse
134°C + 2	Material resisting to autoclave before application, product recommended for single-use only
-	

Suitable for Maximat Plus

restorative m

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Polydentia Restorative

Polydentia offers great solutions developed to attain better results in aesthetics and conservative dentistry, both for anterior and posterior restorations.

Our restorative assortment entails an anterior matrix system and a collection of adult and paediatric posterior matrix systems that simplify your work flow and assist you achieve predictable direct restorations.

Our kits of sectional matrix systems include separator rings offering different separation forces, along with interchangeable extremities, high-contrast sectional matrices, and anatomical wedges. These instruments make our restorative products suitable for a wide range of clinical cases of Class II cavity restorations and application techniques, even in case of low crown height teeth and wide cavity preparations

Should a more traditional approach be preferred, a tensioning system and a comprehensive selection of matrix bands are also available.

All our restorative products are Swiss-made and comply with the most rigorous national and international regulations.



Unica anterior Introkit powered by STY_ETALANO

Unica anterior is the simple and ideal matrix for anterior restorations such as class III, IV, V, direct stratification composite veneers, and shape modifications.

Thanks to its contoured shape, Unica adapts correctly to the different morphologies of anterior teeth and makes it possible to restore proximal and cervical margins at once, even in presence of rubber-dam or gingival retraction cords, thus reducing chair time significantly. The placement wings allow fast and efficient matrix positioning.

Furthermore, Unica anterior once positioned allows to easily visualise the final shape of the restoration, even before starting the procedure.

- Ideal matrix for anterior restorations
- Easy management of the whole emergence profile
- Wings for easy placement
- Contoured, anatomical shape





Content	REF
Unica anterior Introkit	6900
35 pcs Unica anterior matrices	
40 pcs myWedge XS	
40 pcs myWedge S	
40 pcs myWedge M	
1 pc myCustom Resin, 3 ml syringe	
7 pcs needle tips gauge 18 form myCustom Resin	
1 pc myQuickmatrix Forceps	

Refill	REF
12 pcs. Unica anterior matrices	6912
50 pcs. Unica anterior matrices	6950

See refills on page 20, 26, 30

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REF

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New system for low crown height teeth and wide cavity preps Discover at pages 12-13



myClip 2.0

All-in-one sectional matrix ring with short handles that act as forceps. There is no need for special placing tools as myClip 2.0 can be easily positioned with your fingers. myClip 2.0 features an optimal separation force that allows to create excellent contact points in the restoration of Class II cavities, making it suitable for all clinical conditions. Thanks to the ring's high-tech plastic extremities (myTines Small, Medium and Large), mvClip 2.0 adapts to both teeth of different crown heights and wide cavity preparations. In case of dissimilar tooth morphologies, the autoclavable myTines can be used in combination to enhance the matrix adaptation to the proximal walls and consequently reduce the need for finishing steps. Doctors using mvClip 2.0 benefit from the long lifetime of the premium-quality stainless steel ring as the extremities can be replaced should they present signs of wear and tear.

- All-in-one sectional matrix ring. No need for ring forceps
- Suitable for teeth of different crown heights and wide cavity preparations
- Optimal separation force
- Quick, easy, one-hand ring positioning
- Replaceable, interchangeable and autoclavable plastic extremities



Co	ontent	
m	yClip 2.0	
1	pc myClip 2.0,	X 33
1	pair myTines Small	
1	pair myTines Medium	() () () () () () () () () () () () () (
1	pair myTines Large	() () () () () () () () () ()

Trial matrices and wedges included

pcs. LumiContrast Sectional Matrices, Premolar 0.04mm / 5mm,
 pcs. LumiContrast Sectional Matrices, Molar 0.04mm / 6.4mm,
 pcs. Pinky Wood Wedges, 11mm (XS),
 pcs. Wood Wedges, 12mm (S)

See refills on page 20, 27, 30



New system for low crown height teeth and wide cavity preps Discover at pages 12-13



myQuickmat Forte kit

Complete sectional matrix system kit developed to offer strong tooth separation in order to create excellent contact points in the restoration of Class II cavities.

This kit features myRing Forte, a sectional matrix ring that adapts to both teeth of different crown heights and wide cavity preparations, thanks to the its extremities (myTines Small, Medium and Large). In case of dissimilar tooth morphologies, the autoclavable and replaceable myTines can be used interchangeably to enhance matrix adaptation. The kit comprises a selection of myWedge, high-quality, anatomical interdental plastic wedges. Their hollow V-shape allows them to compress and adapt to the interproximal anatomy of teeth, preventing damage to the papilla. LumiContrast sectional matrices complete the kit's matrix assortment. These dark-blue matrices significantly increase contrast and reduce glare effect, especially while using loupes or microscopes.

- Strong separation force for tight contacts
- Suitable for teeth of different crown heights and wide cavity preparations
- Replaceable, interchangeable and autoclavable plastic extremities
- Exceptional matrix adaptation and retention
- Complete kit including myForceps



Content	REF
myQuickmat Forte kit	6803
50 pcs. Quickmat Sectional Matrices, Premolar 0.04mm / 5m	m,
50 pcs. Quickmat Sectional Matrices, Molar 0.04mm / 6.4mm	۱,
20 pcs. Quickmat Sectional Matrices, Extended 0.04mm / 6.4	mm+Ext.,
20 pcs. LumiContrast Sectional Matrices, Premolar 0.04mm /	5mm,
20 pcs. LumiContrast Sectional Matrices, Molar 0.04mm / 6.4	mm,
20 pcs. LumiContrast Sectional Matrices, Extended 0.04mm /	6.4mm+Ext.,
2 pcs. myRing Forte, 🗐 🕅 🗊	17 81
2 pairs myTines M, 1 pair myTines S, 1 pair myTines L 🗐 🕅 🗄	n12 22
50 pcs. myWedge, Extrasmall (XS),	
50 pcs. myWedge, Small (S),	
40 pcs. myWedge, Medium (M),	
40 pcs. myWedge, Large (L),	
1 pc. myForceps	n 4 22

See refills on page 20, 27, 30



myTines Small & Medium

myTines Small and myTines Medium are versatile extremities for myRing Forte & myClip 2.0, developed for a precise adaptation of Polydentia's sectional matrices to a wide range of clinical situations and teeth of different crown heights. In case of dissimilar tooth morphologies, the ability to combine myTines Small with myTines Medium on the same Polydentia's sectional ring, provide an enhanced matrix adaptation to the teeth and a firm grip, thus reducing composite flashes and optimising stability. The anatomical shape of myTines Small & Medium enable to achieve tight contact points.

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- Replaceable, interchangeable and autoclavable plastic extremities
- myTines Small: improved adaptation on teeth of low crown height
- Increased stability of the rings
- V-shaped for better positioning over the wedge

Which myTines do I use?LOW crownNORMAL crownHEIGHT teethHEIGHT teeth









Content		REF
🗣 6 pairs myTines Small	ŝ 🗶 🖽	6304
🗣 6 pairs myTines Medium	() () () () () () () () () () () () () (6303
6 pairs myTines, assorted (Small, Medium, Large)	ŝ 🗶 🖽	6310



myTines Large

myTines Large are the new extremities especially developed to be fitted on myClip 2.0 and myRing Forte to the stability of the sectional matrix rings on wide cavity preparations even in case of missing cusps. The asymmetry of the wings allows a perfect adaptation on distal and mesial cavities simply by inverting the position of the extremities. Also, the possibility of combining different myTines (Small, Medium and Large) ensures an excellent matrix adaptation and a firm grip, thus reducing composite flashes and overhangs.

- Increases ring stability on wide cavity preparations even with missing cusps
- V-shaped for better positioning over the wedge
- Replaceable, interchangeable and autoclavable plastic extremities
- Asymmetric extremities' wings improve adaptation
- Extremities can be rotated to provide further flexibility





		REF
📢 6 pairs myTines Large	() () () () () () () () () () () () () (6306
6 pairs myTines, assorted (Small, Medium, Large)	X at	6310

See refills on page 20



myQuickmat Classico kit

Complete sectional matrix system developed to offer gentle tooth separation in order to create excellent contact points in the restoration of class II cavities. This kit features Polydentia's myRing Classico, a classic sectional matrix ring made of nickel titanium. It is reinforced to provide an optimal and gentle separation force in combination with the included Interdental Maple Wood Wedges. For the restoration of very extensive cavities, the kit also includes the extremities Delta Tubes. These anatomically shaped silicone tubes ensure optimal matrix retention and adaptation to the tooth's anatomy. LumiContrast sectional matrices complete the kit's assortment. These dark-blue matrices significantly increase contrast and reduce glare effect, especially while using loupes or microscopes.

- Optimal, gentle separation force for tight contacts
- myRing Classico and Delta Tubes entirely autoclavable
- · Excellent matrix adaptation and retention
- Complete assortment of matrices and wedges



"No matrix deformation even in case of broad cavities"



 Content
 REF

 myQuickmat Classico kit
 680

 50 pcs. Quickmat Sectional Matrices, Premolar 0.04mm / 5mm,
 680

 50 pcs. Quickmat Sectional Matrices, Molar 0.04mm / 6.4mm,
 20

 20 pcs. LumiContrast Sectional Matrices, Premolar 0.04mm / 6.4mm,
 20

 20 pcs. LumiContrast Sectional Matrices, Premolar 0.04mm / 6.4mm,
 20

 20 pcs. LumiContrast Sectional Matrices, Remolar 0.04mm / 6.4mm,
 20

 20 pcs. LumiContrast Sectional Matrices, Extended 0.04mm / 6.4mm,
 20

 20 pcs. LumiContrast Sectional Matrices, Extended 0.04mm / 6.4mm+Ext.,
 2

 20 pcs. Pressource
 Image: Im

New extremities for myRing Classico pages 14



Diamond²⁴ are anatomically shaped silicone tubes designed to be used with Polydentia's sectional matrix ring "myRing Classico". Diamond²⁴ can be oriented in 24 different combinations of shape and length ensuring an optimal matrix retention and adaption to the tooth even in case of difficult clinical situations.

- Flexible to allow to carefully bend the matrix to shape without collapsing into the cavity
- Embrace the matrix: optimal contact points
- 24 combinations to enhance the adaptability to the clinical situation
- Autoclavable and replaceable
- Customizable: cut and shape according to necessity

3 examples of the 24 possible combinations



Scan this QR code and discover all the 24 combinations



Content	REF
Diamond ²⁴	6312
15 pairs	

See refills on page 20

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myCustom Rings kit has been developed in partnership with Style Italiano, a study group of clinicians and researchers specialized in aesthetic and restorative dentistry. This kit is conceived for the application of an innovative technique developed by Style Italiano.

The myCustom Rings technique allows to easily recreate the pre-existing interproximal anatomy. The ring tines are custom-shaped by taking an impression of the healthy and intact proximal walls using the included light curable myCustom Resin. This enables to achieve strong contact points and precise proximal contour during restoration. The myCustom Rings kit also features a complete selection of assorted, thin Sectional Matrix Bands powered by Style Italiano (Quickmat, LumiContrast, and Transparent), as well as Interdental Maple Wood Wedges, and the newly re-designed Delta Tubes, also powered by Style Italiano.

- Proven technique developed by Style Italiano
- Customizable extremities
- Complete range of sectional matrices included
- Clinical cases, support and updates are available at: www.styleitaliano.org





Content REF myCustom Rings kit 6802 50 pcs. Quickmat Sectional Matrices, Premolar 0.025mm / 5mm, 50 pcs. Quickmat Sectional Matrices. Molar 0.025mm / 6.4mm. 20 pcs. LumiContrast Sectional Matrices, Premolar 0.025mm / 5mm, 20 pcs. LumiContrast Sectional Matrices, Molar 0.025mm / 6.4mm, 20 pcs. Quickmat Transparent Sectional Matrices, Premolar 0.075mm / 5mm, 20 pcs. Quickmat Transparent Sectional Matrices, Molar 0.075mm / 6.4mm, 2 pcs. myRing Classico, 🗐 🗷 🖫 X 1000 6 pairs Delta Tubes, 50 pcs. Pinky Wood Wedges, 11mm (XS), 50 pcs. Wood Wedges, 12mm (S), 40 pcs. Wood Wedges, 13mm (M), 40 pcs. Wood Wedges, 15mm (L), 1 pc. myCustom Resin, 3ml syringe with 10 pcs. needle tips gauge 18 for myCustom Resin



myQuickmatrix Forceps

myQuickmatrix Forceps ensures a firm grip of the matrix when removing it during restoration.

• For easy matrix removal

- Tips with special ribbing for a firm grip
- Resistant tips in tungsten carbide

Content	REF
myQuickmatrix Forceps, 1 pc.	5703



myForceps

myForceps is the indispensable instrument to safely place and remove all Polydentia sectional matrix rings such as myRing Classico and myRing Forte. The shaped tips ensure a firm grip of the ring during application.

- For easy placement of myRing Classico and myRing Forte
- Notches for retensioning myRing Forte
- Strong and resistant
- Outstanding quality

Content	REF
myForceps, 1 pc.	5707



myJunior kit is the first sectional matrix system for paediatric dentistry, especially developed to suit smaller deciduous and young permanent teeth. The kit offers child-friendly solutions that help saving valuable chairtime and reduce the distress of children, allowing them to quickly return to their favourite activities. Two junior sectional matrix rings are included in the kit, myClip Junior and myRing Junior. These minimally invasive, safe to use, bright-coloured paediatric rings combine stability with the right separation force, that enables dentists to achieve ideal contact surfaces. In addition, the extra grip provided by the flexible extremities myTines Junior and the rounded silicone tubes ensure a better adaptation of the sectional matrices, hence preventing annoying composite flashes and overhangs.

- · Child-friendly, safe to use, bright-coloured solutions
- User-friendly intuitive system
- Small sized restorative solutions that suits deciduous teeth
- Optimal separation force for tight contacts





Cor	ntent		REF
my	Junior Kit		6330
1	pc. myClip Junior	× III	
1	pc. myRing Junior	1 III III III III III IIII IIII IIII I	
5	pairs Cylindrical Silicone Tubes	X 31 31 31	
5	pairs myTines Junior	S X II	
40	pcs. LumiContrast Sectional Matri	ces, Premolar 0.04mm / 5mm	
40	pcs. Junior LumiContrast Sectiona	al Matrices, 0.04mm / 3.5mm	
50	pcs. Quickmat Sectional Matrices,	Premolar 0.04mm / 5mm	
50	pcs. Junior Quickmat Sectional Ma	atrices, 0.04mm / 3.5mm	
50	pcs. Pinky Wood Wedges, 11mm (XS)	
40	pcs. Wood Wedges, 12mm (S)		
50	pcs. myWedge XS		
40	pcs. myWedge S		



3

myClip JUNIOr

All-in-one paedriatic sectional matrix ring with integrated forceps.

- All-in-one sectional matrix ring with handles that act as forceps
- Optimal separation force
- Fast, easy, one-hand ring positioning
- Long-lasting, made out of Nickel Titanium

luk alt		DEE
Inhalt		REF
myClip Junior, 2 pcs.	× S	6335



myRing JUNION



Paedriatic sectional matrix ring that fits a wide variety of clinical situations.

- · Optimal separation force for tight contact points
- · Smaller ring that fits in narrower spaces
- · Excellent matrix adaptation and retention
- Long-lasting, made out of Nickel Titanium

Inhalt	REF
myRing Junior, 2 pcs.	6336

Refills



Child-friendly solutions that enhance matrix adaptation and retention on small deciduous teeth. They enable you to achieve ideal contact surfaces, and reduce finishing and polishing time.

See refills on page 20, 27, 30

Rings, Extremities and Resin refills

Sectional Matrix Rings



Sectional Matrix Rings Extremities

-	1	1		
REF 6304 myTines Small for myClip 2.0 & myRing Forte 6 pairs	REF 6303 myTines Medium for myClip 2.0 & myRing Forte 6 pairs	REF 6306 myTines Large for myClip 2.0 & myRing Forte 6 pairs	REF 6312 Diamond ²⁴ 15 pairs	REF 5712 Delta Tubes 15 pairs
		() X ut		

Junior Sectional Matrix Rings and Extremities



Resin

122 Sustanni (11)

REF 6811 myCustom Resin, 3ml Syringe & 10 pcs. needle tips gauge 18

The opinion of professionals:

myClip 2.0

Dr. David Gerdolle - Switzerland

"myClip 2.0 is very easy to handle. Its tines have a special geometry and rigidity allowing very efficient matrix positioning on the palatine and buccal walls. This saves time for the finishing steps and ensures a good proximal morphology."

myQuickmat Forte kit

Dr. Radoslav Asparuhov - Bulgaria

"The use of myQuickmat Forte Kit is extremely easy and the results are predictable – perfect seal of the margins, while ensuring an adequate outline of the restoration and tight contact points. The separating force of myRing Forte is more than enough to compensate the thickness of the already thinnest matrices available."

myQuickmat Classico kit

Dr. Giuseppe Chiodera - Italy

"An accurate reproduction of the contact point and proximal walls is a must in Class II restorations. The versatility provided by combining myRing Classico with Diamond24 offers additional flexibility in adapting the sectional matrix system to the clinical situation."

myCustom Rings kit powered by Style Italiano

Dr. Anna Salat - Italy

"In almost any case where the proximal embrasures are healthy and intact, and there is the risk of losing them, myCustom Rings is the best technique to overcome this common difficulty. Easy to use, as well as easy to produce, this is a strategic technique for the everyday adhesive modern dentistry."

myJunior Kit

Dr. Marina Papachroni - Greece

"I regard myJunior kit as an optimal solution for paediatric treatments. The system offers the ideal tools for the treatment of primary and young permanent teeth, which allowed me to achieve an excellent restoration with less efforts and with considerable chair-time savings".

Unica anterior Introkit powered by Style Italiano

Dr. Jordi Manauta, DDS., Head of StyleItaliano Idea Factory - Italy

"Unica anterior is the solution to anterior restorations, whether it be class III, IV, V, shape modifications, and direct stratification composite veneers. One effective matrix for everyday anterior aesthetic and functional results".

3



Maximat Plus

Maximat Plus is a universal system for placing and tightening steel or transparent plastic matrices in the posterior region. Thanks to Maximat Plus, conventional retainers are no longer needed. The procedure is very simple and quick: the matrix, once positioned on the tooth, can be tightened with just one hand. After fixing the matrix in place, the tightening instrument shall be removed. Furthermore, during treatment, only the spool remains in the mouth, ensuring better visibility of the area during filling and light curing. Maximat Plus eliminates the leverage effect and consequent distortion of the proximal surfaces that come with conventional retainers, thus allowing the restoration of precise and anatomically correct contact points. Several fillings can be placed simultaneously in the same quadrant.

- Only the matrix spool remains in the mouth
- Application with one hand only
- Ideal view of operatory field
- Autoclavable spools



Content	REF
Maximat Plus Introkit	5190
1 pc. tensioning instrument,	
5 pcs. empty autoclavable spools,	
5 pcs. spools with pre-loaded, contoured metal matrices (0.04 mm /	5.5 mm),
5 pcs. spools with pre-loaded, contoured metal matrices (0.04 mm /	6.3 mm),
30 pcs. The Wedge, assorted	
Refills	REF
30 pcs. empty disposable spools	5121
100 pcs. empty disposable spools	5122
30 pcs. spools with pre-loaded, contoured metal	5123
matrices 0.04 mm / 5.5mm high	
30 pcs. spools with pre-loaded, contoured metal	5124
matrices 0.04mm / 6.3mm high	
30 pcs. spools with pre-loaded, contoured metal	5125
matrices 0.025mm / 5.5mm high	
30 pcs. spools with pre-loaded, contoured metal	5126
matrices 0.025mm / 6.3mm high	
5 pcs. empty autoclavable spools	5127
50 pcs. Tofflemire matrices microthin (0.025 mm / .001"), 5.5 mm high	5921
50 pcs. Tofflemire matrices microthin (0.025 mm / .001"), 6.3 mm high	5920
100 pcs. The Wedge, assorted	7001



Siqveland Matrices

(0.05mm / .002")



Universal steel matrix

Content	Height	Thickness	REF
12 pcs.	5 mm	0.05 mm	5725
12 pcs.	7 mm	0.05 mm	5727



Maximat Plu System

(0.025mm / .001" - 0.03mm / .0012" -0.04mm / .0016")



Content		Height	Thickness	REF
Premolars				
	50 pcs.	5.5 mm	0.025 mm	5921
\sim	50 pcs.	5.5 mm	0.03 mm	6104
	50 pcs.	5.5 mm	0.04 mm	6103
Molars				
	50 pcs.	6.3 mm	0.025 mm	5920
	50 pcs.	6.3 mm	0.03 mm	6102
\sim	50 pcs.	6.3 mm	0.04 mm	6101



Anatomic Matrices (0.03mm/.0012")



Anatomically preformed

Content		Height	Thickness	REF
Premolars				
	50 pcs.	4.5-5.5 mm	0.03 mm	5715
	50 pcs.	6.5-7.5 mm	0.03 mm	5714
\sim	50 pcs.	4.5-7.5 mm	0.03 mm	5713
Molars				
\sim	50 pcs.	4.5-6.3 mm	0.03 mm	5717
	50 pcs.	7.0-9.0 mm	0.03 mm	5718
\sim	50 pcs.	7.0-9.5 mm	0.03 mm	5719

Contoured Tofflemire
Matrices
(0.025mm / .001" - 0.04mm / .001

Content

Molars

Premolars

30 pcs.

30 pcs.

30 pcs.

30 pcs.

30 pcs.

30 pcs. 30 pcs.

30 pcs.



3

.001" - 0.04mm / .0016")

· Easy to burnish, soft stainless steel

Contoured Anatomical Matrices (0.03mm / .0012")

• Anatomically preformed and contoured • Easy to burnish, soft stainless steel

Height

4.5-5.5 mm

6.5-7.5 mm

4.5-7.5 mm

4.5-7.5 mm

4.5-6.3 mm

7.0-9.0 mm

7.0-9.5 mm

7.0-9.5 mm

Thickness

0.03 mm

REF

6115

6114

6113

6116

6117

6119

6120

6118

Content	Height	Thickness	REF
Premolars			
30 pc	s. 5.5 mm	0.025 mm	6109
30 pc	s. 5.5 mm	0.04 mm	6107
Molars			
30 pc	s. 6.3 mm	0.025 mm	6108
30 pc	s. 6.3 mm	0.04 mm	6106

Softrix matrix strip





Burnishable soft steel matrix strip

Content		Height	Thickness	REF
	3 m	6 mm	0.025 mm	5906
	3 m	8 mm	0.025 mm	5908



Stainless steel matrix strip

Content	Height	Thickness	REF
3 m	5 mm	0.03 mm	5235
3 m	6 mm	0.03 mm	5236
3 m	7 mm	0.03 mm	5237

Soft matrix strip (0.05mm/.002")



DEE

• Burnishable soft steel matrix strip Heimhe Thiskness Content

Content		пеідіі	THICKNESS	REF
	3 m	5 mm	0.05 mm	5275
	3 m	6 mm	0.05 mm	5276
	3 m	7 mm	0.05 mm	5277

Matrix strip (0.05mm / .002")



Stainless steel matrix strip

Content	Height	Thickness	REF
3 m	5 mm	0.05 mm	5255
3 m	6 mm	0.05 mm	5256
3 m	7 mm	0.05 mm	5257



Stainless Steel Strip Soft 0.05 mm (.002 (engin 3.m (10)
Unite Internet





3









Unica anterior (0.03 mm / .002")

The simple and ideal matrix for anterior restorations of class III, IV, V cavities, direct stratification composite veneers, and shape modifications.

Restorative 🕅

- Ideal matrix for anterior restorations
- Easy management of the whole emergence profile
- Wings for easy placement
- Contoured, anatomical shape

Content		REF
\sim	12 pcs. Unica anterior matrices	6912
	50 pcs. Unica anterior matrices	6950

Clinical applications of Unica anterior STYLEITALIANO

Class III restoration | By courtesy of Dr. Giuseppe Chiodera - Brescia, Italy



Class IV restoration | By courtesy of Dr. Dan Lazar - Oradea, Romania



Class V restoration | By courtesy of Dr. Giuseppe Chiodera - Brescia, Italy



Shape modification | By courtesy of Dr. Carlos Fernández Villares - Madrid, Spain



Composite veneers By courtesy of Dr. Jordi Manauta, DDS - Sestri Levante, Italy







(0.025 mm / 0.01" - 0.04 mm / 0.16")

- Easy to position rigid matrices
- · Easy to burnish, soft stainless steel
- 2 thickness sizes
- Various matrix sizes

Content	t	Height	Thickness	REF
\bigcirc	100 pcs. Premolar	5 mm	0.025 mm	5735
0	100 pcs. Molar	6.4 mm	0.025 mm	5736
\bigcirc	100 pcs. Premolar	5 mm	0.04 mm	5705
0	100 pcs. Molar	6.4mm	0.04 mm	5706
0	50 pcs. Extended	6.4mm+Ext.	0.025 mm	5756
0	50 pcs. Extended	6.4mm+Ext.	0.04 mm	5746
Junior 0	Quickmat			
\bigcirc	100 pcs.	3.75 mm	0.04 mm	5708

LumiContrast Sectional Matrices

(0.025mm / 0.01" - 0.04mm / 0.16")

- · Low reflection, high contrast matrices
- · Ideal when using loupes or microscopes
- 2 thickness sizes
- Various matrix sizes



Without LumiContrast

With LumiContrast

Content	Height	Thickness	REF
70 pcs. Premol	ar 5 mm	0.025 mm	6735
💭 70 pcs. Molar	6.4 mm	0.025 mm	6736
70 pcs. Premol	ar 5 mm	0.04 mm	6705
🖤 70 pcs. Molar	6.4mm	0.04 mm	6706
50 pcs. Extende	ed 6.4mm+Ext	. 0.025 mm	6756
50 pcs. Extende	ed 6.4mm+Ext	. 0.04 mm	6746

6708



Fix Unica anterior with myCustom Resin when the interdental wedge would risk deforming and/or moving the matrix.

See Unica anterior Introkit, page 9

STEEL SECTIONAL MATRICES





Transparent Matrices

(0.075mm / .0029")

- For an optimized composite polymerization
- Contoured matrix
- Polyester matrix for posterior restorations

Content			Height	Thickness	REF
	100 pcs.	Premolar	5 mm	0.075 mm	5765
	100 pcs.	Molar	6.4 mm	0.075 mm	5766
	50 pcs.	Extended	6.4mm+Ext.	0.075 mm	5776

Tofflemire Contoured Transparent Matrices (0.075mm / .0029")



- Contoured matrix
- Polyester matrix for posterior restorations

Content		Height	Thickness	REF
Premolars				
\sim	50 pcs.	5.5 mm	0.075 mm	6140
Molars				
\frown	50 pcs.	6.3 mm	0.075 mm	6141

Clearmat Transparent Matrices (0.075mm / .0029")



Restorative M

- For an optimized composite polymerization
- Anatomically preformed
- Polyester matrix for posterior restorations

Content		Height	Thickness	REF
Premolars				
	50 pcs.	4.5-5.5 mm	0.075 mm	5915
	50 pcs.	6.5-7.5 mm	0.075 mm	5914
\sim	50 pcs.	4.5-7.5 mm	0.075 mm	5913
Molars				
\sim	50 pcs.	4.5-6.3 mm	0.075 mm	5917
\sim	50 pcs.	7.0-9.0 mm	0.075 mm	5918
	50 pcs.	7.0-9.5 mm	0.075 mm	5919





С



• For an optimized composite polymerization

Polyester matrix for posterior restorations

Content		Height	Thickness	REF
Premolars				
	50 pcs.	5.5 mm	0.075 mm	5936
lolars				
	50 pcs.	6.3 mm	0.075 mm	5916



Stripmat (0.05mm/.002")



- Transparent polyester matrix strip
- For an optimized composite polymerization
- Resistant, does not tear under tension

Content		Height	Thickness	REF
	15 m	6 mm	0.05 mm	5006
	15 m	8 mm	0.05 mm	5008
	15 m	10 mm	0.05 mm	5010



Stripmat Anatomic (0.05mm/.002")

Anatomically preformed transparent
 polyester matrix strip

- For an optimized composite polymerization
- For a better interproximal adaptation

Content		Height	Thickness	REF
	15 m	9 mm	0.05 mm	5225

WEDGES

myWedge

myWedge is an interproximal wedge made of hi-tech plastic material. Its innovative hollow v-shape allows it to compress and adapt to the interproximal anatomy of teeth. It prevents damage to the papilla while guiding and forming the matrix band to the anatomy of the cervical area of the tooth. myWedge's unique roundhead geometry has been designed for easy handling, placement, and removal of the wedge with any standard tweezers or forceps.

- Innovative hollow v-shape
- Gripped head to prevent sliding
- Flashy colors for easy identification



myWedge's unique round-head geometry has been designed for easy handling, placement, and removal of the wedge with any standard tweezers or forceps

> Content Size REF 100 pcs. myWedge Extrasmall (XS) 7101 100 pcs. myWedge Small (S) 7102 100 pcs. myWedge Medium (M) 7103 👳 🛛 100 pcs. myWedge Large (L) 7104 100 pcs. myWedge, assorted (XS, S, M, L) 7100 (XS, S, M, L) 400 pcs. myWedge, assorted 7400



3

The Wedge

Made of hi-tech plastic material, The Wedge combines softness and elasticity, providing an optimal adaptation of the matrix along the cervical margin, even in concave zones and in widening interdental spaces.





The transparent reflecting surface of "The verget" automatically follows optimum reflection of light and ensures higher polymerization rates of light curved filling materials.

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.



Basal notching helps protect the papilla, ensuring efficient wedging The curved shape of the wedge is designed to **protect the papilla** and avoids to perforate the rubber dam

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

Content		Size	REF
-	100 pcs. The Wedge	Extrasmall (XS)	7011
-	100 pcs. The Wedge	Small (S)	7012
-	100 pcs. The Wedge	Medium (M)	7013
-	100 pcs. The Wedge	Large (L)	7015
100 pcs.	The Wedge, assorted	(XS, S, M, L)	7001
400 pcs.	The Wedge, assorted	(XS, S, M, L)	7040



Interdental Maple Wood Wedges

Made of maple wood from sustainably managed Swiss forests, these interdental wedges ensure an optimal matrix adaptation along the entire cervical margin.

- Anatomical shape
- Small size (XS) for pediatric dentistry
- Big size (XL) for periodontology

Content	Size	REF
200 pcs. Pinky Wood Wedges	11 mm (XS)	5011
1000 pcs. Pinky Wood Wedges	11 mm (XS)	5011+
📏 100 pcs. Wood Wedges	12 mm (S)	5012
📏 1000 pcs. Wood Wedges	12 mm (S)	5012+
100 pcs. Wood Wedges	13 mm (M)	5013
1000 pcs. Wood Wedges	13 mm (M)	5013+
No pcs. Wood Wedges	15 mm (L)	5015
Noo pcs. Wood Wedges	15 mm (L)	5015+
100 pcs. Wood Wedges, assorted	(XS, S, M, L)	5001
400 pcs. Wood Wedges, assorted	(XS, S, M, L)	5040
600 pcs. Wood Wedges, assorted	(XS, S, M, L)	5060
1000 pcs. Wood Wedges, assorted	(XS, S, M, L)	5001+

Additional products

-	200	pcs. Orange Wood Wedges	11.5 mm	5018
Sec.	100	pcs. Wood Wedges	17 mm (XL)	5017
-	1000	pcs. Wood Wedges	17 mm (XL)	5017+



cervical margin in the interdental space



Made of maple wood from sustainably managed Swiss forests, these interdental wedges ensure an optimal matrix adaptation along the entire cervical margin. Hemo-Wedges have an hemostatic effect.

- With hemostatic effect
- Five sizes



Content	Size	REF
200 pcs. Hemo-Wedge	11 mm (XS)	5020
100 pcs. Hemo-Wedge	12 mm (S)	5021
100 pcs. Hemo-Wedge	13 mm (M)	5022
100 pcs. Hemo-Wedge	15 mm (L)	5023
100 pcs. Hemo-Wedge	17 mm (XL)	5024
400 pcs. Hemo-Wedge, assorted	(XS, S, M, L)	5025



Macro-Wedge

Made of maple wood from sustainably managed Swiss forests, these very large interdental wedges ensure an optimal matrix adaptation along the entire cervical margin also in case of very deep cavities.

- For very deep cavities or extremely large interdental spaces
- With hemostatic effect
- Four sizes

Content	REF
105 pcs. Macro-Wedge, assorted	5030
(2.8mm - 3.2mm - 3.6mm - 4.0mm)	





3



The triangular shape of these finishing and polishing strips with different widths (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 and are coated with aluminium oxide.

- Innovative triangular shape
- For protection of the contact point

Content		μm	REF
8	Fine, 100 pcs.	30 µm	5504
	Medium, 100 pcs.	40 µm	5505
	Coarse, 100 pcs.	60 µm	5506
Combi-Pack, assorted,	100 pcs. each	30, 40, 60 μm	5507

Clinical cases with Polydentia restorative solutions

Unica anterior | By courtesy of Dr. Jorquera - Chile







myTines Small | By courtesy of Dr. Losada - Switzerland







myTines Large By courtesy of Dr. Higton - England







Diamond24 | By courtesy of Dr. Giuseppe Chiodera - Italy







myClip Junior | By courtesy of Dr. Martinez - España











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.

- · Strip length adaptable to treatment situation
- Practical box dispenser

Content		μm	REF
	Fine, 10 m	30 µm	5511
	Medium, 10 m	40 µm	5501
	Coarse, 10 m	60 µm	5502

3

splinting

3

3

Splinting

Splinting is a biocompatible alternative to splints with metal retainers. Its first version, Fiber-Splint, was jointly developed with a dentist in 1989. All further versions were identically designed and developed with the recommendations resulting from our partner's experience. Our fibers are particularly suitable for all kind of dental splints, as for example stabilization of teeth which are mobile due to trauma, or loose teeth resulting from periodontal disease.

They are indicated also for temporary repositioning of extracted front teeth and/or for teeth reconstructed in composite. They are very versatile and allow a fast and simple realization of highly aesthetic results. Fibers are also very comfortable and less invasive for the patient compared to metal retainers. In order to grant an excellent result, we have developed Clip&Splint fixation clips. Many Splinting products have been awarded by the renowed US magazine "The Dental Advisor".





F-Splint-Aid & Slim

F-Splint-Aid & Slim are fiberglass ribbons preimpregnated with bonding (Fiber-Bond). F-Splint-Aid (4 mm) and F-Splint-Aid Slim (2 mm), both grant the same strength. The Slim version is particularly conceived for the treatment of surfaces with reduced dimensions. The practical black bottles protect the fiberglass from light and allow a precise dosage of the splint length (cut according to the clinical need), avoiding material waste. Each bottle contains a fiberglass ribbon useful for 4-7 applications, depending on the treatment to be performed. Every bottle is delivered with Clip&Splint, which are unique autoclavable interdental plastic clips. The product has been awarded several times by the renowned US magazine "The Dental Advisor".

- Unique bottle dispensing system
- Ready to use solution
- With innovative Clip&Splint fixation clips
- Highly aesthetic results



Image 1 Before treatment: mobility of the front teeth (42, 41, 31 and 32)

Image 3 treatment

Image 2 A flowable composite is applied only after lightcuring the fiber (for protection)

Splinted teeth after



Content	REF
F-Splint-Aid & Slim Introkit	5980
1 pc. F-Splint-Aid (4 mm wide, 120 mm long)	
impregnated with Fiber-Bond + 5 Clip&Splint application clips,	
1 pc. F-Splint-Aid Slim (2 mm wide, 120 mm long)	
impregnated with Fiber-Bond + 5 Clip&Splint application clips	

See refills on page 42



Fiber-Splint ML Mini Starter Kit

This kit includes a transparent Fiber-Plast silicone key which allows to reproduce the original position of the teeth with extreme precision. 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.

- Ideal after tooth extractions
- · For extremely thin and strong splints
- Excellent aesthetic results



Content	Width	Length	REF
Fiber-Splint ML Mini Starter Kit			5976
1 pc. Fiber-Splint ML	4mm	50 cm	
1 pc. Fiber-Plast cartridge, 48 ml (+ 6 mixing	tips)		
1 pc. Fiber-Bond, 1 bottle 3 ml			

See refills on page 42



Fiberglass ribbons of different size and thickness. The application is very easy: the Fiber-Splint strip is saturated with bonding agent (Fiber-Bond), positioned on the etched and bonded palatal/lingual surfaces, then fixed in the interdental area with "Clip&Splint" application clips and lightcured. Fiber-splints are very versatile and realize highly aesthetic results. The practical dispenser allows to avoid waste of material.



Fiber-Splint

- Extremely thin, one-layered
- For optimum result the application should be repeated for at least five strips

Content	Width	Length	REF
Fiber-Splint	4 mm	200 cm	5970
+ 5 Clip&Splint application clips 🛞			

Fiber-Splint ML Multi-Layer

- Six layers of fiber-splint sewn together
- Time saving as multi-layered

Content	Width	Length	REF
Fiber-Splint ML	4 mm	50 cm	5971
+ 5 Clip&Splint application clips 🗐 🕲			



- Narrow version (2mm width)
- Three layers of fiber-splint sewn together
- Can be used for small teeth

Content	Width	Length	REF
Fiber-Splint Ortho Evolution	2 mm	60 cm	5979
+ 5 Clip&Splint application clips 🗉 🕲			



3

Refills



Clinical applications of Polydentia's fiberglass strips

Periodontal Splinting | By courtesy of Dr. Lukas Sigrist - Switzerland





Splinting after periodontal surgery | By courtesy of Dr. Martin Hagner - Germany







Temporary solution while waiting for an implant | By courtesy of Dr. Giacomo Derchi - Italy





A THERE

The opinion of professionals:

F-Splint-Aid & Slim Introkit

Dr. Med. Dent. Hagner - Germany

"I regard the special benefit of the F-Splint-Aid Slim to be the stable, woven structure of the splint material and its practical availability in the light-protected storage bottle. The Clip&Splint plastic clips provided for fixing the splint material to the teeth represent a further advantage."

Fiber-Splint

Dr. J. Pouet-Piccerelle - Switzerland

"The use of Fiber-Splint benefits from the following advantages: rapidity, treatment without pain and aesthetics. This product is easy to manipulate and is essential in any dental practice in case of emergency."

Fiber-Splint

Dr. M. Chauhan - USA/India

"With Fiber-Splint the dentist can quickly stabilize mobile anterior teeth, with long-term reliability. It grants high aesthetic results and enhances patient's self confidence."

Fiber-Splint ML

Prof. Dr. A. Bass - Argentina

"Results after the use of Fiber-Splint Multi-Layer have been very satisfying and stable over time."

protective ace-and eyeshields



Vista-Tec Faceshield

Vista-Tec Faceshields provide full facial protection maintaining an excellent view. The faceshields do not restrain the communication with patients. The protective shields are made of first quality transparent, environmentfriendly plastic, are scratch resistant and do not yellow when subjected to daylight. They are reusable when treated with care and can be cleaned easily with a mild soap. The frame is very comfortable to wear and elegantly designed. The black version is very resistant and can be put into the autoclave and thermodisinfector. All frames have built in clips for Vista-Tec face- and eyeshields.

- Comfortable to wear, ultra light (16g)
- Integrated clip for shield fixing
- Reusable shields
- Black version sterilizable with all current methods (134 °C / 273 °F)



Vista-Tec F	aceshield Eco				
1 frame + 5	faceshields				
5621/W	5621/Y	5621/B	5621/T	5621/P	5621/G
Vista-Tec F	aceshield Class	sic			
1 frame + 10	faceshields				
5624/W	5624/Y	5624/B	5624/T	5624/P	5624/G
Autoclavab	le Vista-Tec				REF

() 本 国

5613



3

Vista-Tec Eyeshield

Vista-Tec Eyeshields provide an excellent optical view, are very comfortable to wear and elegantly designed. They do not restrain the communication with patients. The protective shields are made of first quality, environment-friendly plastic, are scratch resistant and do not yellow when subjected to daylight. They are reusable when treated with care and can be cleaned easily with a mild soap. The elegant black frame version is very resistant and can be put into the autoclave and thermodisinfector. All frames have built in clips for Vista-Tec face- and eyeshields.

- Comfortable to wear, ultra light (16g)
- Clip in frame for shield fixing
- Reusable shields
- Black version sterilizable with all current methods (134 °C / 273 °F)



1 frame + 5	eyeshields				
5628/W	5628/Y	5628/B	5628/T	5628/P	5628/G
Autoclavab	ole Vista-Tec				REF
1 frame	, black				5613

See refills on page 48

1 frame, black
See refills on page 48

Refills

/ista-Tec Faceshields		REF
	5 pcs. Faceshields	5617
\bigcirc	10 pcs. Faceshields	5616
	10 pcs. L-Faceshields for loupes	5632
	3 pcs. Faceshields Orange	5617/0

Vista-Tec Eyeshields		REF
\frown	5 pcs. Eyeshields	5618
\frown	10 pcs. Eyeshields	5619
\frown	3 pcs. Eyeshields Orange	5618/0

	Clipon for spectacle wearers	REF
FTO	2 pcs. plastic clips + 5 Faceshields	5622
Con the second		

	L-Clipon for lo	
(ST	2 × *	

ipon for loupes	REF
2 pcs. plastic clips + 5-L-Faceshields	5630



instruments and accessories (%)

3

Hy-Drop





A gentle pressure on the membrane releases the required liquid drop by drop



- Perfect and efficient dosage of liquids
- Single-handed operation
- Includes 5 autoclavable membranes
- Autoclavable

Content				
1 Hy-Drop +	5 membranes	The second secon		
5411/Y	5411/O	5411/G	5411/V	5411/B
Membranes,	5 pcs.	The second secon		5415

Hy-Drop Forte



Hy-Drop Forte is a practical hygienic liquid dispenser compatible with aggressive chemical substances such as: ChKM-Lösung[®], Fokaldry[®], Orthoskavident[®] C, Tubulicid Red[®] + Blue[®] Label, Tubulicid Plus Endo[®], Cavidex[®]. Each Hy-Drop Forte holds 4 ml and delivers the liquid drop by drop whenever the membrane is gently pressed, providing an efficient dosage control by a singlehanded operation.

- Perfect and efficient dosage of aggressive liquids
- Autoclavable

Content		REF
1 Hy-Drop Forte + 5 membranes	The second secon	5412
Membranes, 5 pcs.) Martin	5415

Blue PolyShapes

Blue PolyShapes are composite placement and modelling instruments made of hi-tech plastic material. The kit features two double ended instruments. The different tips are designed for layering and contouring a direct posterior restoration to its final form. Additionally, they are indicated to create perfect contact points, holding the matrix band firmly against the adjacent tooth.

- Blue color for chromatic contrast
- Lightweight and ergonomic to avoid hand fatigue
- Composite does not stick to Blue PolyShapes

Content		REF
Blue PolyShapes kit, 2 transparent instruments	iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	5960



Stop Card & Endo-Stops

Stop-Card is a simple but effective dispenser for Endo-Stops, dispensing one Endo-Stop at a time and holding it in position while the endo-instrument is easily inserted into it. The working length of the instrument can then be set with the integrated measuring ruler. Endo-Stops are made of silicone and are essential marking tools when working with endodontic files. They have a diameter of 3.5mm and a thickness of 1mm.

- Practical dispenser
- Integrated measuring ruler
- Eight different Endo-Stop colors



Assorted, 100 pcs.



ID-Rings & Maxi ID-Rings

ID-Rings and Maxi ID-Rings are rings for easy identification of instruments. ID-Rings have an internal diameter of 3mm, Maxi ID-Rings of 6mm.

- For an easy identification of hand instruments
- 10 different colors
- Made of elastic silicone rubber

ID-Rin	gs								194.10 100
50 pcs. ID-Rings									
5311	5312	5313	5314	5315	5316	5317	5318	5319	5322
Assorted, 120 pcs. REF 5320							5320		
Maxi II	D-Rings								100 M
25 pcs. Maxi ID-Rings									
5361	5362	5363	5364	5365	5366	5367	5368	5369	5370



Convenient.

Endo-Stops							134°C	
100 pcs. Endo-Stops								
5301	5302	5303	5304	5305	5306	5307	5308	
5301	5302	5303	5304	5305	5306	5307		

REF 5310





Cotton roll holder

The cotton roll holder is suitable for pediatric dentistry and ensures a dry working field as well as excellent visibility.

- Whenever a rubber dam cannot be placed
- Suitable also for pediatric dentistry
- For upper and lower arches

Content		Quantity	REF
Cotton roll holder	104 °C 333	4 pcs.	5405/4

3

3

104°C

Integrated measuring ruler

get inspired by our clinical cases





let's keep connected



REV. 04 02.2019









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