



# TOR VM

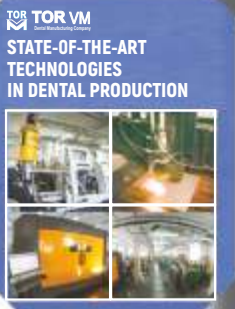
Dental Manufacturing Company

Matrix Systems

Abrasives

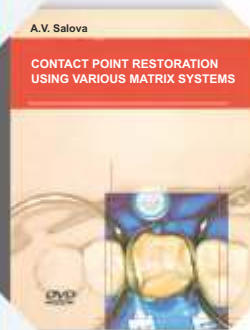
Wedges

Clamps



## MODERN SOLUTIONS FOR RESTORATIVE DENTISTRY

always winning combination



# CATALOGUE 2021

TOR VM company was established in Moscow in 1999 to develop and manufacture accessories for anatomical restorations.

Having a leading position on Russian market of dental reconstruction products and considerable export experience, we are looking for new opportunities to offer our products worldwide under our own label or under private labels. We offer high quality products with competitive prices.

Quality management system is in compliance with the requirements of EN ISO 13485:2016. All products are CE marked and FDA registered.



TOR VM trade mark has been registered in the majority of countries who import TOR VM products.

In accordance with this we change design of product labels. In 2020-2021 products with both old and new labels can be supplied.

↓ Please consider our new items appeared in years 2019 - 2020.

**2020**

- Twin anterior matrices, page 18
- Contact & shape former, page 22
- Strip holders, page 29
- Matrix pliers, page 17

**2019**

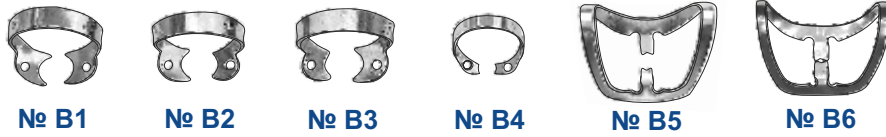
- Lug matrices, page 17
- Polishing discs with improved polishing ability and durability, page 30
- Proximal anterior strips, page 18
- New types & quality of clamps, black clamps, page 4

# LIST OF CONTENTS

4	RUBBER DAM CLAMPS
5	RUBBER DAM ACCESSORIES
6	PROXICUT SYSTEMS
7	PERFORATED PROPHYLACTIC METAL STRIPS
7	COTTON ROLL HOLDER
7	RETRACTORS. FLOSS RETRACTOR
8	METAL CONTOURED MATRICES
9	METAL CONTOURED MATRICES COMBINED WITH CLAMP
10	SADDLE MATRICES
12	PONY METAL CONTOURED MATRICES
13	PERFORATED METAL MATRICES
14	SECTIONAL CONTOURED METAL MATRICES
15	ACCESSORIES FOR INSTALLATION OF SECTIONAL MATRICES
17	LUG MATRICES
17	MATRIX PLIERS
18	PROXIMAL ANTERIOR STRIPS & TWIN ANTERIOR MATRICES
18	METAL STRIPS. LOOP MATRICES
19	METAL MATRIX BANDS & STRIPROLLS
19	PLASTIC / METAL COMBINED MATRICES
20	FIXING WOODEN WEDGES
21	FIXING TRANSPARENT PLASTIC WEDGES
21	FIXING NON-TRANSPARENT PLASTIC WEDGES
21	ELASTIC WEDGES
22	ADD-ON WEDGES AND TUBES
22	CONTACT & SHAPE FORMERS
23	TRANSPARENT SECTIONAL CONTOURED MATRICES
23	SELF-ADHESIVE TRANSPARENT CONTOURED MATRICES
24	TRANSPARENT CONTOURED MATRICES
25	TRANSPARENT CONTOURED MATRICES COMBINED WITH CLAMP
26	TRANSPARENT CROWNS
28	TRANSPARENT STRIPS, STRIPROLLS, STOPSTRIPS
28	TRANSPARENT CERVICAL MATRIX SYSTEM
29	STEM POLISHING DISCS AND MANDRELS
30	POLISHING DISCS AND MANDRELS
31	POLISHING STRIPS
31	STRIP HOLDERS
31	FINISHING AND POLISHING KITS

**Rubber Dam Clamps**

**Brinker Clamps (tissue retractors)**

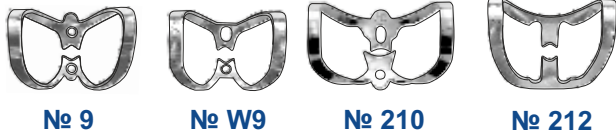


Clamps are produced from high-quality stainless steel with perfect shape memory

Brinker clamps provide maximum retraction without laceration of gingival tissues. Shape of «jaws» of Brinker clamps corresponds to the shape of dental root.

There are winged and wingless clamps

**Anterior Clamps**



*All clamps can be supplied in standard and black modification.*

*To order black clamps add «B» to catalogue number of the necessary clamp - e.g. № B4-B or № 2-B.*

All clamps can be supplied in standard and black modification. Clamps of black modification (**black clamps**) provide antireflection effect for more convenient work.



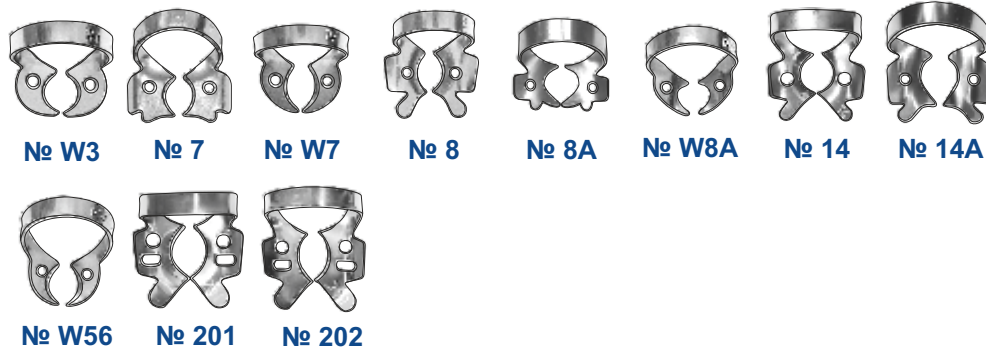
**Premolar Clamps**

**Symmetrical Design**

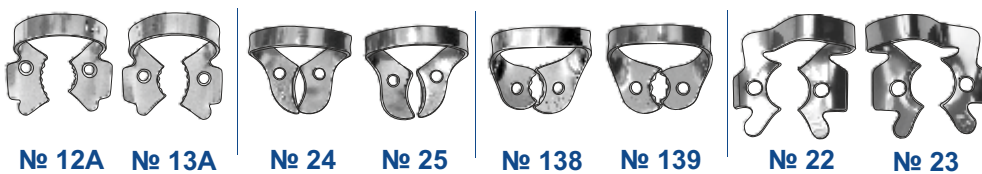


**Molar Clamps**

**Symmetrical Design**

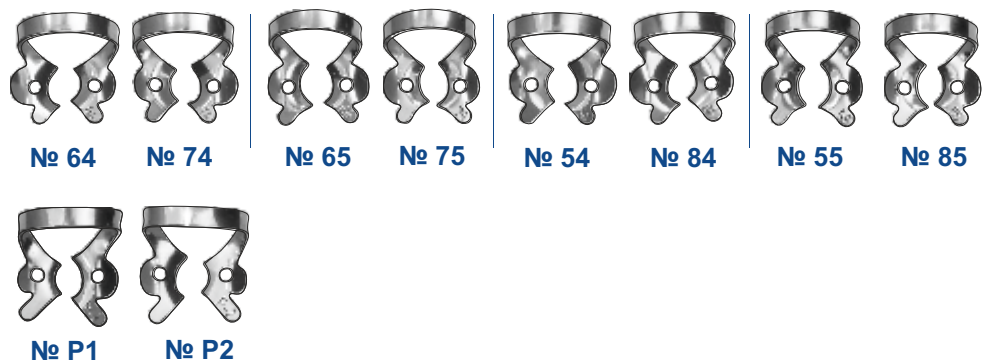


**Left-Right Design**



**Deciduous Clamps**

**Left-Right Design**



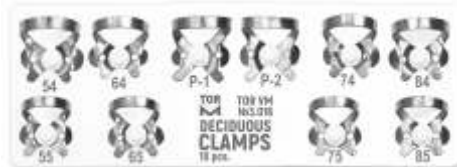
**Operating Positions**







**No 3.014 Clamps** 10 pcs.  
*NEW* №B4, №0, №2, №2A, №7, №8, №9, №12A, №13A, № W56



**No 3.016 Deciduous Clamps** 10 pcs.  
*NEW* №54, №55, №64, №65, № 74, №75, №84, №85, №P-1, №P-2



**No 3.017 Clamps** 9 pcs.  
*NEW* №1, №7, №8, №8A, №9, №14, №201, №202, №212

**Rubber Dam Accessories**



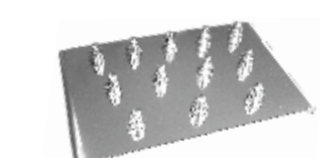
**No 3.993 Forceps**  
1 pc.



*NEW*  
**No 3.999 Rubber dam Puncher**  
1 pc.



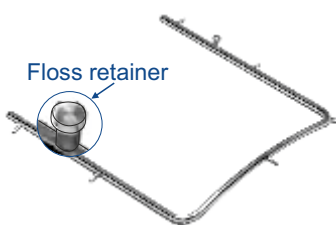
**No 3.909 Clamp Organizer**  
(for 9 clamps), 1 pc.



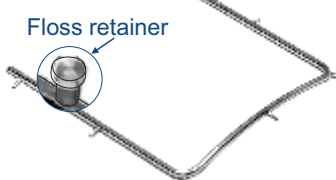
**No 3.912 Clamp Organizer**  
(for 12 clamps), 1 pc.



**No 3.401A Deciduous Rubber dam Frame**, 96x73 mm,  
1 pc.



**No 3.401B Rubber dam Frame**, 93x91 mm,  
with floss retainers, 1 pc.



**No 3.402B Rubber dam Frame**, 110x100 mm,  
with floss retainers, 1 pc.



**No 3.403B Rubber dam Frame**, 128x125 mm,  
with floss retainers, 1 pc.

Forceps are produced from high-quality stainless steel.

Forceps are convenient in work and provide reliable clamp keeping.

Frame-stopper is moved freely along forceps handles and decreases operating load upon clamp installation.



Pin for clamp mounting has 3 seat diameters providing reliable retention of a clamp without excessive clamp opening.

**CLEANING AND STERILIZATION**

- 1) Submerge instruments in cleaning agent solution with neutral pH for 20 min;
- 2) Rinse the instruments thoroughly with purified water for 3-5 min;
- 3) Perform standard moist heat / steam sterilization procedure following the sterilizer instructions.

**WARNING!!!**

- 1) Do not use cleaning agents with high percentage of chlorine and cleaners containing oxalic acid;
- 2) Do not keep instruments in liquid medium for more than 3 hours.



Retainers on frames №№ 3.401B, 3.402B and 3.403B are intended for floss fixation upon clamp or cofferdam fixation in subgingival space.



### Proxicut Systems

Proxicut system is intended

- to remove excess of filling material from interproximal areas,
- for tooth separation upon veneer fixation.

The system includes proxicut saw blades, proxicut diamond strips of 3 abrasiveness types and proxicut holders of 2 types.

### Do-All Proxicut System



**№ 1.384(1)**

**Proxicut Saw Blades,**  
type 1, 0,05 mm thick, 12 pcs.



**№ 1.385C1**

**Proxicut Diamond Strips, coarse,**  
type 1, 0,150 mm thick, 12 pcs.



**№ 1.385M1**

**Proxicut Diamond Strips, medium,**  
type 1, 0,100 mm thick, 12 pcs.



**№ 1.385F1**

**Proxicut Diamond Strips, fine,**  
type 1, 0,070 mm thick, 12 pcs.



**№ 1.369 Do-All Proxicut Holder\***  
(holder with key)  
1 pc.

\* Holder can be operated by itself or with handles №№ 1.107, 1.109 or any other handpiece of EVE type providing to-and-fro motion.

### Do-All Proxicut Kits



**№ 1.367KT Do-All Proxicut Kit**  
holder with key №1.369 - 1 pc.,  
handle № 1.107 - 1 pc.



**№ 1.369KT Do-All Proxicut Kit**  
holder with key №1.369 - 1 pc.,  
handle № 1.109 - 1 pc.



**№ 1.370 Do-All Proxicut System**

saw blades №1.384(1) - 12 pcs.,  
coarse diamond strips №1.385C1 - 12 pcs.,  
medium diamond strips №1.385M1 - 12 pcs.,  
fine diamond strips №1.385F1 - 12 pcs.,  
holder with key №1.369 - 1 pc.,  
handle № 1.109 - 1 pc.

### Handles for Proxicut Holders



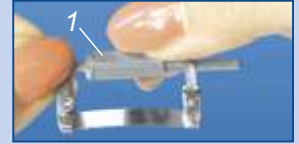
**№ 1.107 Handle, 1 pc.**



**№ 1.109 Handle, 1 pc.**

### How to operate do-all proxicut system holder № 1.369 & blade (strip)

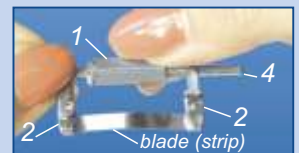
1) Rotate screw handle **1** to move legs of the holder so that the distance between outer sides of holder legs becomes equal to the length of the blade (strip)



2) Insert the blade (strip) in grips **2** of the holder legs and tighten grips with key **3**



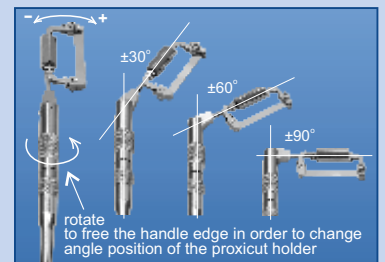
3) Rotate screw handle **1** to tighten the blade (strip) between holder legs



4) Insert firmly pin **4** of the holder in handle

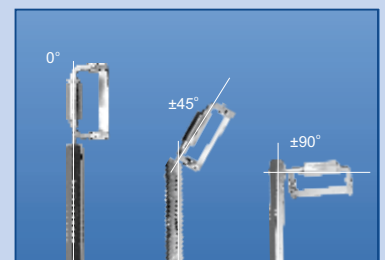
### Handle № 1.107 - operating positions

Required operating position is provided by rotating of front edge of the handle **№ 1.107** (7 positions are possible -  $-90^\circ$ ,  $-60^\circ$ ,  $-30^\circ$ ,  $0^\circ$ ,  $+30^\circ$ ,  $+60^\circ$  and  $+90^\circ$  to handle axis)



### Handle № 1.109 - operating positions

Required operating position is provided by placing the holder into different holes of the handle **№ 1.109**



**Proxicut System**



**№ 1.384(2)**

**Proxicut Saw Blades**,  
type 2, 0,05 mm thick, 12 pcs.



**№ 1.385C2**

**Proxicut Diamond Strips, coarse**,  
type 2, 0,150 mm thick, 12 pcs.



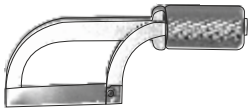
**№ 1.385M2**

**Proxicut Diamond Strips, medium**,  
type 2, 0,100 mm thick, 12 pcs.



**№ 1.385F2**

**Proxicut Diamond Strips, fine**,  
type 2, 0,070 mm thick, 12 pcs.



**№ 1.389**

**Proxicut Holder**  
1 pc.

**Perforated Prophylactic Metal Strips**



**№ 1.386**

**Metal Strips for Tartar Removal with Flat Edge** 12 pcs.  
4 mm wide,  
100 mm in length,  
0.05 mm thick

**Cotton Roll Holder**



**№ 1.010**

**Cotton Roll Holder**  
1 pc.

**Retractors**

**NEW**

**№ 1.016S**

**Dental Floss Retractor, small**  
1 pc.



**№ 1.019**

**Check & tongue retractor**  
(with screw joint for holder connection)  
1 pc.



**№ 1.119**

**Check & tongue retractor**  
(connected with holder)  
1 pc.



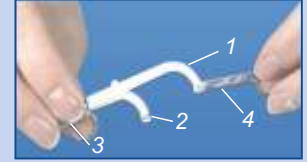
**№ 1.013**

**Lip & cheek retractor**  
1 pc.

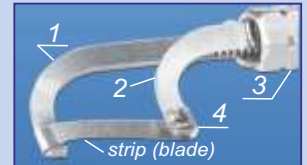


**How to operate proxicut system holder № 1.389 & strip № 1.385(2)**

Insert finger at leg **1** of the holder into the hole of strip (blade) **4**, bend strip **4** around leg **1** providing the finger being in the hole of the strip **4**



Bend strip **4** around leg **2** of the holder, put hole of strip **4** on the finger of leg **2** of the holder



Rotate screw handle **3** of the holder to tighten up the strip **4** between legs **1** and **2** of the holder



**Perforated prophylactic metal strips**



side view



Cotton roll holder is intended for fixation of cotton rolls during dental procedures



Retractors are produced from high-quality stainless steel, provide reliable isolation of operating field





### Metal Contoured Matrices

All matrices are available of two thicknesses 0.050 mm and 0.035 mm. When ordering please specify the necessary type, e.g. №1.501(0.035 mm) or №1.517(0.050 mm).



#### For Premolars

**№ 1.501** Matrices for Premolars  
without ledge,  
matrix width 5 mm  
12 pcs.



**№ 1.502** Matrices for Premolars  
bilateral  
12 pcs.



**№ 1.506** Matrices for Premolars  
bilateral  
12 pcs.



**№ 1.503** Matrices for Premolars  
left ledge  
12 pcs.



**№ 1.504** Matrices for Premolars  
right ledge  
12 pcs.



**№ 1.505** Matrices for Premolars  
one central ledge  
12 pcs.



#### For Molars

**№ 1.511** Matrices for Molars  
without ledge,  
matrix width 7 mm  
12 pcs.



**№ 1.517** Matrices for Molars  
without ledge,  
matrix width 6 mm  
12 pcs.



**№ 1.512** Matrices for Molars  
bilateral  
12 pcs.



**№ 1.513** Matrices for Molars  
left ledge  
12 pcs.



**№ 1.514** Matrices for Molars  
right ledge  
12 pcs.



**№ 1.515** Matrices for Molars  
one central ledge  
12 pcs.



Matrices №№ 1.501, 1.505, 1.506, 1.511, 1.515, 1.517 are mainly to be used with Toffemire retainer.

In some cases to fit Supermat system the matrix edges should be shortened.



**№ 1.500+** Contoured Metal  
Matrices for Premolars  
30 pcs.:  
№ 1.501 6 pcs.  
№ 1.502 6 pcs.  
№ 1.503 6 pcs.  
№ 1.504 6 pcs.  
№ 1.505 6 pcs.



**№ 1.510+** Contoured Metal  
Matrices for Molars  
30 pcs.:  
№ 1.511 6 pcs.  
№ 1.512 6 pcs.  
№ 1.513 6 pcs.  
№ 1.514 6 pcs.  
№ 1.515 6 pcs.

- Anatomically pre-shaped
- Six shapes for molars and premolars
- Provide perfect approximal form and contact
- Stainless steel

#### Operating position



with Nustrem retainer

#### Shapes of bilateral matrices



#### Matrices can be installed with

Toffemire or Nustrem retainer



#### Supermat system



#### Slot ring (page 9)



#### Slot springclip (page 9)





**Metal Contoured Matrices Combined with Clamp**

All matrices are 0.035 mm thick.



**For Premolars**

**№ 1.541**

**Matrices for Premolars**  
one central ledge  
10 pcs.



**№ 1.542**

**Matrices for Premolars**  
bilateral  
10 pcs.



**№ 1.543**

**Matrices for Premolars**  
left ledge  
10 pcs.



**№ 1.544**

**Matrices for Premolars**  
right ledge  
10 pcs.



**№ 1.545**

**Matrices for Premolars**  
without ledge  
10 pcs.



**№ 1.549**

**Matrices for Premolars**  
left ledge + right ledge  
10 pcs. (5 pcs. + 5 pcs.)



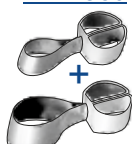
**№ 1.540**

**Contoured Metal Matrices Combined with Clamp for Premolars**  
16 pcs.:

- № 1.541 3 pcs.
- № 1.542 3 pcs.
- № 1.543 3 pcs.
- № 1.544 3 pcs.
- № 1.545 4 pcs.



**№ 1.560**



**Contoured Metal Matrices Combined with Clamp for Premolars & Molars**  
without ledge 10 pcs.  
(5 pcs. for premolars & 5 pcs. for molars)



**For Molars**

**№ 1.551**

**Matrices for Molars**  
one central ledge  
10 pcs.



**№ 1.552**

**Matrices for Molars**  
bilateral  
10 pcs.



**№ 1.553**

**Matrices for Molars**  
left ledge  
10 pcs.



**№ 1.554**

**Matrices for Molars**  
right ledge  
10 pcs.



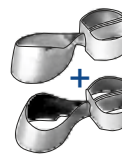
**№ 1.555**

**Matrices for Molars**  
without ledge  
10 pcs.



**№ 1.559**

**Matrices for Molars**  
left ledge + right ledge  
10 pcs. (5 pcs. + 5 pcs.)



**№ 1.550**

**Contoured Metal Matrices Combined with Clamp for Molars**  
16 pcs.:

- № 1.551 3 pcs.
- № 1.552 3 pcs.
- № 1.553 3 pcs.
- № 1.554 3 pcs.
- № 1.555 4 pcs.

- Three dimensional anatomic shape
- The ideal approximal contact
- Tight fitting within a few seconds
- Five shapes of premolar & five shapes of molar matrices
- Stainless steel

**No matrix retainer required**

**How to operate**

Install matrix on tooth and press metal clamp



Ready for restoration



Matrix assembled with fixing wedges and rings №1.099 (page 16)



**Operating position**



## Saddle Matrices

Edges of saddle matrices are performed as cylinder-shape tubes where tines of ring or springclip are inserted upon matrix installation.

### Saddle Matrices (Flat)



All matrices are available of three shapes and two thicknesses (0.050 mm and 0.035 mm). Specify please the necessary type, for example if you need small saddle matrices of shape 2 and thickness 0.035 mm order please - №1.301(2)(0.035 mm).

	Small Matrices 12 pcs. per box	Medium Matrices 12 pcs. per box	Large Matrices 12 pcs. per box
Standard shape	 <u>№ 1.301(1)</u>	 <u>№ 1.302(1)</u>	 <u>№ 1.303(1)</u>
Shape with flexible central part*	 <u>№ 1.301(2)</u>	 <u>№ 1.302(2)</u>	 <u>№ 1.303(2)</u>
Shape with enlarged undergingiva ledge	 <u>№ 1.301(3)</u>	 <u>№ 1.302(3)</u>	 <u>№ 1.303(3)</u>

\* Width of matrix band between central part and edges of matrices of shape 2 is lower compared to shape 1 matrices, that makes central part of shape 2 matrix more labile.

### Saddle Contoured Matrices



All matrices are available of three shapes and two thicknesses (0.050 mm and 0.035 mm). Specify please the necessary type for example if you need medium saddle contoured matrices of shape 1 and thickness 0.050 mm order please - №1.312(1)(0.050 mm).

	Small Matrices 12 pcs. per box	Medium Matrices 12 pcs. per box	Large Matrices 12 pcs. per box
Standard shape	 <u>№ 1.311(1)</u>	 <u>№ 1.312(1)</u>	 <u>№ 1.313(1)</u>
Shape with flexible central part*	 <u>№ 1.311(2)</u>	 <u>№ 1.312(2)</u>	 <u>№ 1.313(2)</u>
Shape with enlarged undergingiva ledge	 <u>№ 1.311(3)</u>	 <u>№ 1.312(3)</u>	 <u>№ 1.313(3)</u>

\* Width of matrix band between central part and edges of matrices of shape 2 is lower compared to shape 1 matrices, that makes central part of shape 2 matrix more labile.

- Easy-to-use matrix system
- Optimal approximal contact without difficulties
- Three lengths
- Stainless steel

### Important!

To provide perfect contact choose appropriate matrix length



incorrect



correct



incorrect

### Saddle matrices operating positions

Springclip № 1.003



Ring № 1.033



Ring № 1.033  
simultaneous restoration of 2 teeth



Springclip № 1.005





- № 1.310 Saddle Metal Matrices**  
Kit with Springclip  
matrices 18 pcs.:  
№ 1.311(1) 6 pcs.  
№ 1.312(1) 6 pcs.  
№ 1.313(1) 6 pcs.  
springclip № 1.003 1 pc.



- № 1.320 Saddle Metal Matrices**  
Kit with Ring  
matrices 18 pcs.:  
№ 1.311(1) 6 pcs.  
№ 1.312(1) 6 pcs.  
№ 1.313(1) 6 pcs.  
ring № 1.033 1 pc.



- № 1.330 Saddle Metal Matrices Universal Kit**  
matrices 36 pcs.:  
№ 1.301(1) 3 pcs.  
№ 1.302(1) 3 pcs.  
№ 1.303(1) 3 pcs.  
№ 1.311(1) 6 pcs.  
№ 1.312(1) 6 pcs.  
№ 1.313(1) 6 pcs.  
№ 1.311(2) 3 pcs.  
№ 1.312(2) 3 pcs.  
№ 1.313(2) 3 pcs.  
springclip № 1.003 1 pc.

**Installation of saddle matrix with springclip № 1.003**

1. Insert tines of springclip outside the patient mouth into the matrix side tubes



2. Press springclip holders with matrix and install matrix onto the tooth



Matrices can be installed on distal and on mesial tooth surface



**Accessories for Installation of Saddle Matrices**



- № 1.033 Ring**  
1 pc.



- № 1.033c Ring with Silicone Safety Cover\***  
1 pc.  
*\*Dry-heat sterilization*



- № 1.033A Ring**  
1 pc.

*Ring № 1.033A has the same construction of tines as standard ring № 1.033 for saddle matrices. Addition of extra loop on the ring makes it more flexible and allows to operate in wider range of openings without increase of residual distance between tines after use.*



- № 1.003 Springclip small**  
1 pc.



- № 1.005 Springclip large**  
1 pc.

*More tight than № 1.003*



**Tines of rings & springclips are narrowed**

**Installation of saddle matrix with ring № 1.033**

1. Insert tines of the ring into the matrix side tubes



2. Open the ring assembled with saddle matrix via forceps № 1.099-1 (page 15) or via standard rubber dam clamp forceps and install matrix onto the tooth



**WARNING!!!**

When operating with ring:

- 1) make sure of integrity of the ring and absence of rust on it;
- 2) avoid high-speed opening;
- 3) open the ring for width not more than 10 - 12 mm;
- 4) open the ring for necessary width outside the mouth before placing it on a tooth.

When sterilizing:

- 1) Do not use cleaning agents with high percentage of chlorine and cleaners containing oxalic acid;
- 2) Do not keep instruments in liquid medium for more than 3 hours.



**Pony Metal Contoured Matrices**

All matrices are available of two thicknesses 0.050 mm and 0.035 mm.  
When ordering please specify the necessary type, e.g. №1.341(0.035 mm).



**№ 1.341 Pony Matrices. Small with Ledge**  
12 pcs.

**№ 1.342 Pony Matrices. Small**  
12 pcs.

**№ 1.343 Pony Matrices. Large**  
12 pcs.

**№ 1.344 Pony Matrices. Large with Ledge**  
12 pcs.



**№ 1.340 Pony Matrices. Kit with Slot Springclip**  
matrices 24 pcs.:

- № 1.341 6 pcs.
- № 1.342 6 pcs.
- № 1.343 6 pcs.
- № 1.344 6 pcs.
- slot springclip 1 pc.



**№ 1.350 Pony Matrices. Kit with Slot Ring**  
matrices 24 pcs.:

- № 1.341 6 pcs.
- № 1.342 6 pcs.
- № 1.343 6 pcs.
- № 1.344 6 pcs.
- slot ring 1 pc.

- Anatomically pre-shaped
- Provide perfect approximal form and contact
- Have intermediate length between contoured matrices (see page 8) and sectional matrices (page 14)
- Stainless steel

**Installation with Slot ring**



Open the ring with matrix via forceps №1.099-1 (page 15) or via standard rubber dam forceps and insert matrix into the slots of ring № 1.044



Install the system onto the tooth



Mesial surface restoration

**WARNING!!!**

When operating with ring:

- 1) make sure of integrity of the ring and absence of rust on it;
- 2) avoid high-speed opening;
- 3) open the ring for width not more than 10-12 mm;
- 4) open the ring for necessary width outside the mouth before placing it on a tooth.

When sterilizing:

- 1) Do not use cleaning agents with high percentage of chlorine and cleaners containing oxalic acid;
- 2) Do not keep instruments in liquid medium for more than 3 hours.

**Accessories for Installation of Pony Matrices**

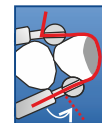
Slot springclip and Slot ring can be used for fixation of any matrix of appropriate length (e.g. metal contoured matrices - page 8 of the Catalogue) or matrix bands (page 19). When fixing matrices different from Pony matrices, please, be sure that the width of matrix wings is less than slot height cut the wings to fit slot height if necessary.



**№ 1.004 Slot Springclip**  
1 pc.

Tines of Slot springclip

Operating position scheme



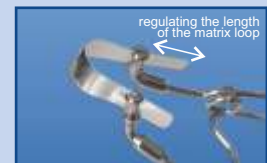
**№ 1.044 Slot Ring**  
1 pc.

Tines of Slot ring

Operating position scheme



**Installation with Slot springclip**



regulating the length of the matrix loop

Insert matrix into the slots of springclip (standard catching is shown)



matrix edge bending for matrix fixation

Fix the matrix loop length and install the system onto the tooth



Distal surface restoration



Mesial surface restoration



**Perforated Metal Matrices**

Thickness 0.05 mm

**Perforated Metal Matrices (Flat)**



- № 1.331(1)** Perforated Metal Matrices. Small with Ledge 12 pcs.
- № 1.331(2)** Perforated Metal Matrices. Small 12 pcs.
- № 1.331(3)** Perforated Metal Matrices. Medium with Ledge 12 pcs.
- № 1.331(4)** Perforated Metal Matrices. Large with Ledge 12 pcs.
- № 1.331(5)** Perforated Metal Matrices. Extralarge with Ledge 12 pcs.

**Perforated Contoured Metal Matrices**



- № 1.531(1)** Perforated Metal Matrices. Small with Ledge 12 pcs.
- № 1.531(2)** Perforated Metal Matrices. Small 12 pcs.
- № 1.531(3)** Perforated Metal Matrices. Medium with Ledge 12 pcs.
- № 1.531(4)** Perforated Metal Matrices. Large with Ledge 12 pcs.
- № 1.531(5)** Perforated Metal Matrices. Extralarge with Ledge 12 pcs.

**Accessories for Installation of Perforated Matrices**

- № 1.022** Ring 1 pc.
- № 1.002** Springclip 1 pc.



**Tines of ring & springclip are pointed**

**Perforated matrices Installation modes**

Ivory retainer



Ring № 1.022



Springclip № 1.002



**WARNING!!!**

- When operating with ring:
- 1) make sure of integrity of the ring and absence of rust on it;
  - 2) avoid high-speed opening;
  - 3) open the ring for width not more than 10 - 12 mm;
  - 4) open the ring for necessary width outside the mouth before placing it on a tooth.

- When sterilizing:
- 1) Do not use cleaning agents with high percentage of chlorine and cleaners containing oxalic acid;
  - 2) Do not keep instruments in liquid medium for more than 3 hours.

### Sectional Contoured Metal Matrices

All matrices are available of 4 types

- 0.050 mm, hard
- 0.035 mm, hard
- 0.050 mm, soft
- 0.035 mm, soft

Specify please the necessary type, e.g. № 1.098(0.050 mm, soft).

There are two variants of kiting of matrices of one shape - per 10 or per 50 pcs.  
When ordering kit with matrices of one shape specify please the necessary kiting variant and type, e.g. № 1.0971(10) (0.035 mm, hard) or № 1.0976(50) (0.050 mm, soft).



#### Sectional Contoured Matrices. Small with Ledge

- № 1.0971(10)** 10 pcs.  
**№ 1.0971(50)** 50 pcs.



#### Sectional Contoured Matrices. Small

- № 1.0972(10)** 10 pcs.  
**№ 1.0972(50)** 50 pcs.



#### Sectional Contoured Matrices. Large

- № 1.0973(10)** 10 pcs.  
**№ 1.0973(50)** 50 pcs.



#### Sectional Contoured Matrices. Large with Ledge

- № 1.0974(10)** 10 pcs.  
**№ 1.0974(50)** 50 pcs.



#### Sectional Contoured Matrices. Medium with Ledge

- № 1.0975(10)** 10 pcs.  
**№ 1.0975(50)** 50 pcs.



#### Sectional Contoured Matrices. Medium

- № 1.0976(10)** 10 pcs.  
**№ 1.0976(50)** 50 pcs.



#### **№ 1.1972** Kit of Small Matrices 4 types

- 30 pcs.:  
№ 1.0972(0.050 mm, hard) 10 pcs.  
№ 1.0972(0.035 mm, hard) 10 pcs.  
№ 1.0972(0.050 mm, soft) 5 pcs.  
№ 1.0972(0.035 mm, soft) 5 pcs.



#### **№ 1.1976** Kit of Medium Matrices 4 types

- 30 pcs.:  
№ 1.0976(0.050 mm, hard) 10 pcs.  
№ 1.0976(0.035 mm, hard) 10 pcs.  
№ 1.0976(0.050 mm, soft) 5 pcs.  
№ 1.0976(0.035 mm, soft) 5 pcs.



#### **№ 1.1973** Kit of Large Matrices 4 types

- 30 pcs.:  
№ 1.0973(0.050 mm, hard) 10 pcs.  
№ 1.0973(0.035 mm, hard) 10 pcs.  
№ 1.0973(0.050 mm, soft) 5 pcs.  
№ 1.0973(0.035 mm, soft) 5 pcs.

- Anatomically pre-shaped
- Provide tight anatomical contact
- Stainless steel

Matrices of 0.035 mm thickness are more effective for restoration of small decays.

Matrices of 0.05 mm thickness are intended for restoration of large decays in subgingival area. Such matrices retain the shape well.

Kits **№ 1.1972**, **1.1973**, **1.1976** are intended for advanced users of sectional systems or for dentists who desire to test the difference between hard and soft matrices.

Hard matrices are easy to install.

Soft matrices are easily adapted for contact point formation.

#### Clinical case



#### Operating positions





**No 1.198 Starting Kit of Sectional Contoured Matrices**  
matrices 30 pcs.:

- No 1.0971 3 pcs.
- No 1.0972 10 pcs.
- No 1.0973 5 pcs.
- No 1.0974 3 pcs.
- No 1.0975 4 pcs.
- No 1.0976 5 pcs.
- ring No 1.099(5) 1 pc.



**No 1.298 Advanced Kit of Sectional Contoured Matrices**  
matrices 50 pcs.:

- No 1.0971 5 pcs.
- No 1.0972 15 pcs.
- No 1.0973 10 pcs.
- No 1.0974 5 pcs.
- No 1.0975 5 pcs.
- No 1.0976 10 pcs.
- ring No 1.099(5) 1 pc.



**No 1.398 Universal Kit of Sectional Contoured Matrices**  
matrices 100 pcs.:

- No 1.0971 10 pcs.
- No 1.0972 20 pcs.
- No 1.0973 20 pcs.
- No 1.0974 10 pcs.
- No 1.0975 10 pcs.
- No 1.0976 30 pcs.
- ring No 1.099(5) 1 pc.
- Delta ring No 1.299 1 pc.

**Installation with ring**

Install matrix (preferably wide side down to gingiva) and wedge



Open the ring using forceps



Put the ring on the tooth and perform restoration



The matrix can be installed on mesial (see above) and on distal surface (see below)



**Accessories for Installation of Sectional Matrices**



**No 1.009 Springclip**  
1 pc.



**No 1.099-1 Forceps**  
1 pc.



**No 1.099-2 Forceps with Stoppers**  
1 pc.

*Forceps No 1.099-2 have special stoppers, that allows to use them also for installation of Elastic wedges (page 22).*



**No 1.099-3 Forceps**  
1 pc.



tines of forceps 1.099-1



tines of forceps 1.099-2



tines of forceps 1.099-3

**Installation with springclip**



**Simultaneous installation of sectional and saddle matrices (pages 10-11)**





### Accessories for Installation of Sectional Matrices

#### Rings



**No 1.099(5) Standard Ring**,  
tines height - 5 mm,  
1 pc.

Tines of ring  
№ 1.099



Scheme on tooth



**No 1.099(4) Low Ring**,  
tines height - 4 mm,  
1 pc.

**No 1.099(6) High Ring**,  
tines height - 6 mm,  
1 pc.



**No 1.399 Set of Rings**, 3 pcs.

№ 1.099(5) - 1 pc.  
№ 1.099(4) - 1 pc.  
№ 1.099(6) - 1 pc.

#### WARNING!!!

When operating with ring:  
1) make sure of integrity of the ring and absence of rust on it;  
2) avoid high-speed opening;  
3) open the ring for width not more than 10-12 mm;  
4) open the ring for necessary width outside the mouth before placing it on a tooth.

When sterilizing:  
1) do not use cleaning agents with high percentage of chlorine and cleaners containing oxalic acid;  
2) do not keep instruments in liquid medium for more than 3 hours.

**No 1.099A Ring**,  
tines height - 5 mm, 1 pc.

*Ring № 1.099A has the same construction of tines as rings № 1.099 for sectional matrices. Addition of extra loop on the ring makes it more flexible and allows to operate in wider range of openings without increase of residual distance between tines after use.*

**No 1.099c Standard Ring with Silicone Safety Cover\***  
tines height - 5 mm, 1 pc.

\*Dry-heat sterilization

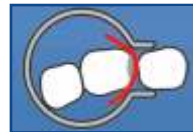


**No 1.199 Flat Ring**,  
1 pc.

Tines of ring  
№ 1.199



Scheme on tooth



**No 1.299 Delta Ring**,  
1 pc.

*Double tines of Delta ring are suitable for installation of fixing wedges and add-on wedges (page 22)*

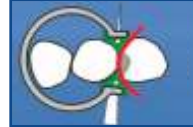
**NEW**  
**No 1.299c Delta Ring**,  
1 pc.

*Projections (lugs) of ring № 1.299c prevents tongue penetration into working area*

Tines of ring  
№ 1.299



Scheme on tooth



**No 1.167 MD-Ring**,  
1 pc.

*Tines of MD-ring provide the most non-fluctuating placement with sufficient space for wedge*

**NEW**  
**No 1.167c MD-Ring**,  
1 pc.

*Projections (lugs) of ring № 1.167c prevents tongue penetration into working area*

Tines of ring  
№ 1.167



Scheme on tooth



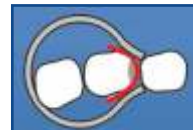
**No 1.166 D-Ring**,  
1 pc.

*Tines of D-ring are curved inwards to fix matrix on distal side of the tooth*

Tines of ring  
№ 1.166



Scheme on tooth



**No 1.177 M-Ring**,  
1 pc.

*Tines of M-ring are curved out to fix matrix on mesial side of the tooth*

Tines of ring  
№ 1.177



Scheme on tooth



#### Clinical cases with rings with different length of tines



#### Ring № 1.199



#### Delta Ring № 1.299



#### Clinical cases with MD ring (№ 1.167)





**Lug Matrices**

**NEW**

Lugs allow to tighten matrix to adjacent tooth in any of three directions.



**No 1.351** Lug Matrices, Small with Ledge  
4,5 mm, 12 pcs.



**No 1.352** Lug Matrices, Medium with Ledge  
5,5 mm, 12 pcs.



**No 1.353** Lug Matrices, Large with Ledge  
6,5 mm, 12 pcs.



**No 1.353L** Lug Matrices, Large with Ledge  
7,6 mm, 12 pcs.



**No 2.351** Lug Matrices, Small  
4,0 mm, 12 pcs.



**No 2.352** Lug Matrices, Medium  
5,1 mm, 12 pcs.



**No 2.353** Lug Matrices, Large  
6,0 mm, 12 pcs.



**No 1.338** Lug Matrices  
matrices 18 pcs.:  
No 2.351 - 5 pcs.,  
No 2.352 - 5 pcs.,  
No 2.353 - 5 pcs.,  
No 1.353L - 3 pcs.,  
MD ring No 1.167 - 1 pc.



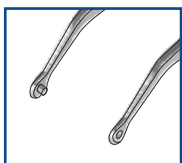
**No 1.348** Lug Matrices  
matrices 18 pcs.:  
No 1.351 - 6 pcs.,  
No 1.352 - 6 pcs.,  
No 1.353 - 6 pcs.,  
MD ring No 1.167 - 1 pc.



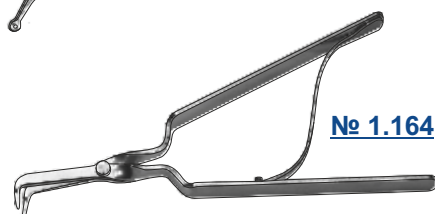
**No 1.368** Lug Matrices  
matrices 30 pcs.:  
No 1.351 - 4 pcs.,  
No 1.352 - 5 pcs.,  
No 1.353 - 4 pcs.,  
No 1.353L - 4 pcs.,  
No 2.351 - 5 pcs.,  
No 2.352 - 4 pcs.,  
No 2.353 - 4 pcs.,  
MD ring No 1.167 - 1 pc.

**Matrix Pliers**

**NEW**



**No 1.154** Linear Plier (L-Plier)  
1 pc.



**No 1.164** Cross Plier (C-Plier)  
1 pc.

- Anatomically pre-shaped
- Adjustable contact point
- Stainless steel

**Operating Positions**



Lug matrices provide more complete tooth engagement than sectional matrices.

Lugs allow to tighten matrix to adjacent tooth.



Holes in matrix edge provide more reliable matrix handling upon installation and extraction.

**Matrix pliers - operating positions**



Linear plier No 1.154



Cross plier No 1.164

## Proximal Anterior Strips & Twin Anterior Matrices

### Proximal Anterior Strips

Proximal anterior strips can be used upon restoration of proximal surfaces of anteriors



**№ 1.387A** Proximal Anterior Strips  
Small, 12 pcs.

**№ 1.387** Proximal Anterior Strips  
Medium, 12 pcs.

**№ 1.388** Proximal Anterior Strips  
Large, 12 pcs.

### Twin Anterior Matrices

NEW

Twin anterior matrices provide perfect restoration of both interproximal and cervical surfaces of anteriors



**№ 1.523** Twin Anterior Matrices  
12 pcs.

**№ 1.533** Twin Anterior Matrices  
12 pcs.



**№ 1.888** Anterior Matrices & Strips  
30 pcs.

№ 1.387A - 6 pcs.

№ 1.387 - 6 pcs.

№ 1.388 - 6 pcs.

№ 1.523 - 6 pcs.

№ 1.533 - 6 pcs.

### Metal Strips

Metal strips are recommended to be used as protective plates of adjacent teeth from accidental bur contact.



**№ 1.382** Metal Strips 0.06 mm thick,  
6 mm wide, 50 mm long, 100 pcs.



**№ 1.383** Metal Strips 0.09 mm thick,  
6 mm wide, 50 mm long, 100 pcs.

### Loop Matrices

Construction of loop matrices provides simplicity of loop length regulation in accordance to tooth size.

Loop matrices are installed without retainer. Mainly to be used for protection of adjacent tooth against bur upon cavity preparation.

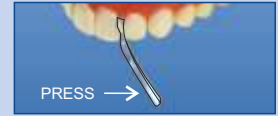


**№ 1.595** Loop Matrices,  
height 5 mm,  
6 pcs.



**№ 1.597** Loop Matrices,  
height 7 mm,  
6 pcs.

### Proximal anterior strips: operating position



It is recommended to install anterior strip vertically and then press the handhold of the strip forcing its working part to the adjacent tooth.

### Proximal anterior strips: clinical cases



### Twin anterior matrices: operating position

matrix № 1.523

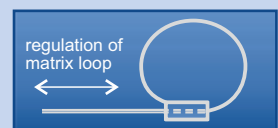
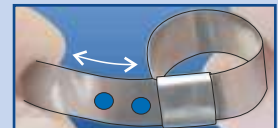


matrix № 1.533



### Loop matrix: how to operate

Regulate the loop size corresponding to the tooth size



Install loop matrix onto the tooth and tighten matrix end up to complete embracing of the tooth

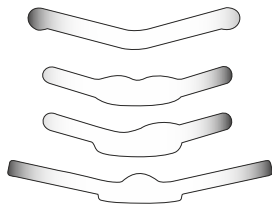


**Metal Matrix Bands**

All matrices (except №№1.380 & 1.381) are available in two thicknesses 0.050 mm and 0.035 mm. Specify please the necessary type, e.g. № 1.0931(0.035 mm), or № 1.390(0.050 mm).



**For Premolars (scale 1:2)**



**№ 1.0930** 12 pcs.

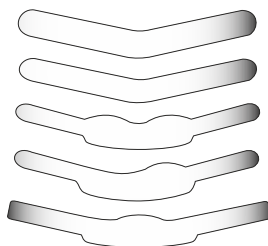
**№ 1.0932** 12 pcs.

**№ 1.0933** 12 pcs.

**№ 1.0935** 12 pcs.



**For Molars (scale 1:2)**



**№ 1.0931** 12 pcs.

**№ 1.1937** 12 pcs.

**№ 1.1932** 12 pcs.

**№ 1.1933** 12 pcs.

**№ 1.1935** 12 pcs.



**№ 1.380 Matrix Bands 6 mm wide**  
100 mm in length, thickness 0,035 mm, 12 pcs.



**№ 1.381 Matrix Bands 7 mm wide**  
100 mm in length, thickness 0,035 mm, 12 pcs.

**Metal Striprolls**



**№ 1.390 Striproll 6 mm wide,**  
3 m in length (round box 32 mm)

**№ 1.391 Striproll 7 mm wide,**  
3 m in length (round box 32 mm)



**№ 1.392 Striproll 6 mm wide,**  
3 m in length (squared box 50x50 mm)

**№ 1.393 Striproll 7 mm wide,**  
3 m in length (squared box 50x50 mm)

**Plastic-Metal Combined Matrix Bands**



**For Premolars (scale 1:2)**



**№ 1.034** 12 pcs.

**For Molars (scale 1:2)**



**№ 1.134** 12 pcs.

**Width of matrix working part**

**№ 1.0930** - 5 mm

**№ 1.1937** - 6 mm

**№ 1.0931** - 7 mm

Matrices are installed by the same methods as metal contoured matrices (page 8)



Striprolls of alternative lengths and widths can be supplied upon special request.

Half metal / half plastic.

Metal part simplifies matrix penetration through a tight contact point.

### Wooden Wedges



**№ 1.181** **Wooden Wedges**  
superthin, short (orange)  
100 pcs.



**№ 1.182** **Wooden Wedges**  
thin, short (white)  
100 pcs.



**№ 1.183** **Wooden Wedges**  
thin, short (green)  
100 pcs.



**№ 1.184** **Wooden Wedges**  
thin, long (yellow)  
100 pcs.



**№ 1.185** **Wooden Wedges**  
medium, short (blue)  
100 pcs.



**№ 1.186** **Wooden Wedges**  
medium, long (pink)  
100 pcs.



**№ 1.187** **Wooden Wedges**  
thick, long (violet)  
100 pcs.



**№ 1.080** **Wooden Wedges.**  
**2 Types**  
100 pcs.  
white (thin, short) 50 pcs.  
blue (medium, long) 50 pcs.



**№ 1.083** **Wooden Wedges.**  
**4 Types**  
200 pcs.  
white (thin, short) 50 pcs.  
yellow (thin, long) 50 pcs.  
blue (medium, short) 50 pcs.  
pink (medium, long) 50 pcs.



**№ 1.085** **Wooden Wedges.**  
**6 Types**  
400 pcs.  
orange (superthin, short) 100 pcs.  
white (thin, short) 100 pcs.  
yellow (thin, long) 50 pcs.  
blue (medium, short) 50 pcs.  
pink (medium, long) 50 pcs.  
violet (thick, long) 50 pcs.

Anatomically shaped



Made of maple wood

### Operating positions





**Triangle Wooden Wedges**



**№ 1.281(2) Triangle Wooden Wedges**  
size 13x1,7x2,7 mm, 100 pcs.  
Sizes available upon request:  
**№ 1.281(1)** 16x2,4x2,5 mm, 100 pcs.  
**№ 1.281(3)** 15x 2 x3,4 mm, 100 pcs.  
**№ 1.281(4)** 15x 3 x 3 mm, 100 pcs.

Triangular shaped



Made of maple wood

**Transparent Plastic Wedges**

- Two thicknesses available  
- Heat treatment up to 120°C



**№ 1.811 Transparent Wedges, Thin**  
40 pcs.

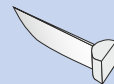


**№ 1.812 Transparent Wedges, Medium**  
40 pcs.



**№ 1.820 Transparent Wedges, 2 types**  
80 pcs.  
thin wedges 25 pcs.  
medium wedges 15 pcs.

Anatomically shaped



Made of transparent soft plastic



**Non-Transparent Plastic Wedges**

- Two thicknesses available  
- Heat treatment up to 120°C



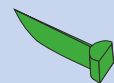
**№ 1.841 Non-Transparent Wedges, Thin**  
40 pcs.



**№ 1.842 Non-Transparent Wedges, Medium**  
40 pcs.

**№ 1.840 Non-Transparent Wedges, 2 types**  
80 pcs.  
thin wedges 50 pcs.  
medium wedges 30 pcs.

Anatomically shaped



Made of soft plastic



**Elastic Wedges**

- Special silicone rubber  
- Two thicknesses: 2,5 mm (blue) and 2,0 (yellow)  
- Heat treatment up to 150°C



**№ 1.801 Elastic Wedges**  
2,5 mm thick  
10 pcs.



**№ 1.802 Elastic Wedges**  
2,0 mm thick  
10 pcs.



**№ 1.808 Elastic Wedges of 2 types**  
40 pcs.:  
**№ 1.801** 20 pcs.  
**№ 1.802** 20 pcs.

Elastic wedges can be used as fixing wedges and also as a cord upon working with Cofferdam system.



Forceps № 1.099-2 with special stoppers (page 15) are preferable for installation.



### Add-On Wedges and Tubes

- Special silicone rubber
- Heat treatment up to 150°C



**№ 1.861** Add-On Fixing Wedges  
40 pcs.

wedge № 1.861



Add-on fixing wedges №№ 1.861, 1.866 and tubes № 1.862 provide perfect matrix-tooth contact along the tooth height.



**№ 1.866** Add-On Fixing Wedges  
40 pcs.

wedge № 1.866



**№ 1.862** Add-On Fixing Tubes  
40 pcs.:  
wide (transparent) 20 pcs.  
narrow (white) 20 pcs.



**№ 1.870** Fixing Kit Delta  
- Delta ring № 1.299 - 1 pc.  
- add-on fixing wedges № 1.861 - 20 pcs.  
- add-on fixing wedges № 1.866 - 20 pcs.

Tines of fixing rings or springclips are inserted into the holes of the add-on wedges and tubes.



Delta ring №1.299 with double tines is the most suitable for installation of add-on wedges.

When restoring large cavities add-on wedges № 1.866 and tubes № 1.862 are preferable.

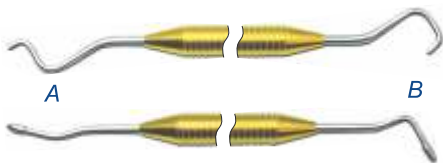


Add-on tubes №1.862 provide matrix fixation far from contact point.

### Contact & Shape Formers

NEW

Contact formers are produced from high-quality stainless steel. Handles are made of titanium alloy making the instruments lighter and more comfortable in work.

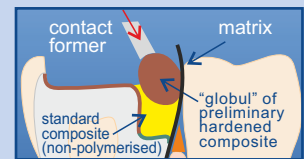


**№ 1.1902** Contact Former 1 pc.

**№ 1.1904** Contact Former 1 pc.

Edge A of contact former № 1.1902 is to be used for matrix adaptation on distal tooth surface, edge B is used upon restoration of mesial surface.

### Contact former №1.943 operating mode



- 1) After adhesion treatment apply fluid composite (0,3-0,5 mm layer) on all the sides of treated cavity except the gingival one, perform photopolymerization.
- 2) Out of the patient mouth prepare "globul" from standard composite (size of the "globul" should be a bit smaller than treated cavity), perform its photopolymerization.
- 3) On gingiva side of the cavity apply first thin layer of fluid composite and then standard composite. Don't perform photopolymerization!
- 4) Place the "globul" into the cavity and press it with contact former providing matrix close tightness to neighbour tooth in the contact point. Keep on pressing the "globul" perform photopolymerization. After it remove contact former and repeat photopolymerization once more.
- 5) Perform tooth restoration.
- 6) Remove fixing ring, bend back matrix and perform composite photopolymerization in gingival area with light directed from facial and lingual surface of the tooth.
- 7) Remove matrix and fixing wedge.
- 8) Perform restoration polishing and finishing.

screw thread for connection with handle № 1.100 or standard mirror handle



**№ 1.943** Contact Former  
1 pc.



**№ 1.100** Handle 1 pc.



**№ 1.863** Shape-Former Caps  
10 pcs.



**№ 1.867** Shape-Former Caps  
10 pcs.



**№ 1.868** Shape-Former Caps  
10 pcs.

**№ 1.965** Contact & Shape Former

- contact former № 1.943 - 1 pc.
- handle № 1.100 - 1 pc.
- shape-former caps № 1.863 - 10 pcs.
- shape-former caps № 1.867 - 10 pcs.
- shape-former caps № 1.868 - 10 pcs.

### Contact & shape former №1.965 operating modes

Tooth cusp modelling of molars & premolars



Facial surface modelling of anteriors



**Transparent Sectional Contoured Matrices**



**No. 1.922** **Narrow Matrices**  
width 5 mm  
30 pcs.



**No. 1.923** **Wide Matrices**  
width 7 mm  
30 pcs.

**Sectional Transparent Contoured Matrices Possible Installation Modes**

Installation with transparent plastic wedge (page 21)



Installation with rings (page 16) is also possible

**Self-Adhesive Transparent Contoured Matrices**

*Matrix ends are covered with a special glue layer for side-to-side conjunction. No matrix retainer required. Four shapes for molars and four shapes for premolars.*

**For Premolars**



**No. 1.490(1)** **Self-Adhesive Matrices for Premolars**  
one central ledge  
12 pcs.



**No. 1.490(2)** **Self-Adhesive Matrices for Premolars**  
bilateral  
12 pcs.



**No. 1.490(3/4)** **Self-Adhesive Matrices for Premolars. 2 types**  
30 pcs.:  
No. 1.490(3) 6 pcs.  
No. 1.490(4) 6 pcs.



**For Molars**



**No. 1.491(1)** **Self-Adhesive Matrices for Molars**  
one central ledge  
12 pcs.



**No. 1.491(2)** **Self-Adhesive Matrices for Molars**  
bilateral  
12 pcs.



**No. 1.491(3/4)** **Self-Adhesive Matrices for Molars. 2 types**  
30 pcs.:  
No. 1.491(3) 6 pcs.  
No. 1.491(4) 6 pcs.



**Sectional Transparent Contoured Matrices Operating Position**



**Installation of self-adhesive matrix**

1. Install matrix



2. Remove red protective layer from matrix sides



3. Stick glued matrix sides with each other



**Self-Adhesive Matrix Operating Position**





**Transparent Contoured Matrices**

**For Premolars**



**№ 1.090(1)** Matrices for Premolars  
one central ledge  
30 pcs.



**№ 1.090(2)** Matrices for Premolars  
bilateral  
30 pcs.



**№ 1.090(3)** Matrices for Premolars  
right ledge  
30 pcs.



**№ 1.090(4)** Matrices for Premolars  
left ledge  
30 pcs.



**№ 1.090(3/4)** Matrices for Premolars.  
2 types  
30 pcs.:  
№ 1.090(3) 15 pcs.  
№ 1.090(4) 15 pcs.



**For Molars**



**№ 1.091(1)** Matrices for Molars  
one central ledge  
30 pcs.



**№ 1.091(2)** Matrices for Molars  
bilateral  
30 pcs.



**№ 1.091(3)** Matrices for Molars  
right ledge  
30 pcs.



**№ 1.091(4)** Matrices for Molars  
left ledge  
30 pcs.



**№ 1.091(3/4)** Matrices for Molars.  
2 types  
30 pcs.:  
№ 1.091(3) 15 pcs.  
№ 1.091(4) 15 pcs.



**№ 1.190** Matrices for Premolars.  
**Universal Kit** 60 pcs.:  
№ 1.090(1) 15 pcs.  
№ 1.090(2) 15 pcs.  
№ 1.090(3) 15 pcs.  
№ 1.090(4) 15 pcs.



**№ 1.191** Matrices for Molars.  
**Universal Kit** 60 pcs.:  
№ 1.091(1) 15 pcs.  
№ 1.091(2) 15 pcs.  
№ 1.091(3) 15 pcs.  
№ 1.091(4) 15 pcs.



**№ 1.092** Matrices for Premolars and Molars.  
**Universal Kit** 120 pcs.

№1.090(1) 15 pcs. №1.091(1) 15 pcs.	№1.090(2) 15 pcs. №1.091(2) 15 pcs.
№1.090(3) 15 pcs. №1.091(3) 15 pcs.	№1.090(4) 15 pcs. №1.091(4) 15 pcs.

**Transparent contoured matrices**

- Anatomically pre-shaped
- Four shapes of premolar matrices and four shapes of molar matrices
- Provide perfect approximal form and contact

**Installation modes**

with Tofflmire retainer



with Supermat system



with Slot ring № 1.044 (page 12)



Fragments of transparent contoured matrices can be also applied for restoration of approximal surfaces of incisors and canines.



**Transparent Contoured Matrices Combined with Clamp**

**For Premolars**



**No 1.094(1)** Matrices for Premolars  
one central ledge  
10 pcs.



**No 1.094(2)** Matrices for Premolars  
bilateral  
10 pcs.



**No 1.094(3)** Matrices for Premolars  
right ledge  
10 pcs.



**No 1.094(4)** Matrices for Premolars  
left ledge  
10 pcs.



**No 1.094(3/4)** Matrices for Premolars.  
**2 types**  
10 pcs.:  
No 1.094(3) 5 pcs.  
No 1.094(4) 5 pcs.



**For Molars**



**No 1.095(1)** Matrices for Molars  
one central ledge  
10 pcs.



**No 1.095(2)** Matrices for Molars  
bilateral  
10 pcs.



**No 1.095(2+)** Matrices for Gross  
Molars  
bilateral  
10 pcs.



**No 1.095(3)** Matrices for Molars  
right ledge  
10 pcs.



**No 1.095(4)** Matrices for Molars  
left ledge  
10 pcs.



**No 1.095(3/4)** Matrices for Molars.  
**2 types**  
10 pcs.:  
No 1.095(3) 5 pcs.  
No 1.095(4) 5 pcs.



**No 1.194** Matrices for Premolars.  
**Universal Kit** 16 pcs.:  
No 1.094(1) 3 pcs.  
No 1.094(2) 3 pcs.  
No 1.094(3) 5 pcs.  
No 1.094(4) 5 pcs.



**No 1.195** Matrices for Molars.  
**Universal Kit** 16 pcs.:  
No 1.095(1) 3 pcs.  
No 1.095(2) 3 pcs.  
No 1.095(3) 5 pcs.  
No 1.095(4) 5 pcs.



**No 1.096** Matrices for Premolars and Molars.  
**Universal Kit**  
32 pcs.

No1.095(3) 5 pcs.	No1.095(1) 3 pcs.	No1.095(2) 3 pcs.	No1.095(4) 5 pcs.
<b>for molars</b>			
<b>for premolars</b>			
No1.094(3) 5 pcs.	No1.094(1) 3 pcs.	No1.094(2) 3 pcs.	No1.094(4) 5 pcs.

- Three dimensional anatomic shape
- The ideal approximal contact
- Tight fitting within a few seconds
- Four shapes of premolar & five shapes of molar matrices

**No matrix retainer required**

**Installation**

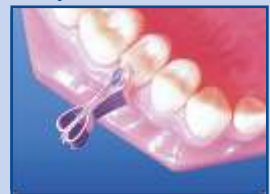
1. Install matrix onto the tooth



2. Press metal clamp



3. Ready for restoration



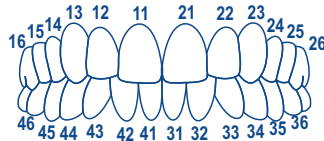
**Operating Positions**



**Transparent Crowns**

**Single Crowns. Adult**

Fourteen individual shapes for incisors and canines and fourteen individual shapes for premolars and molars are available



Crowns are available in three sizes - small (S), medium (M), large (L).



11/21 S 4 pcs.	11/21 M 4 pcs.	11/21 L 4 pcs.	12/22 S 4 pcs.	12/22 M 4 pcs.	12/22 L 4 pcs.	13/23 S 4 pcs.	
32/42 M 4 pcs.		<b>Kit № 1.910</b> <b>Crown position</b>				32/42 L 4 pcs.	
13/23 M 4 pcs.	13/23 L 4 pcs.	31/41 32/42 S 4 pcs.	31/41 M 4 pcs.	31/41 L 4 pcs.	33/43 S 4 pcs.	33/43 M 4 pcs.	

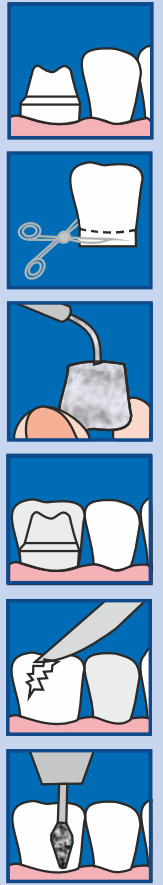
**№ 1.910** Anterior  
Transparent  
Crowns.  
Universal Kit.  
64 pcs.



14/24 S 4 pcs.	14/24 M 4 pcs.	16/26 S 4 pcs.	16/26 M 4 pcs.	17/27 S 4 pcs.	17/27 M 4 pcs.	34/44 S 4 pcs.	
15/25 S 4 pcs.		<b>Kit № 1.911</b> <b>Crown position</b>				15/25 M 4 pcs.	
34/44 M 4 pcs.	35/45 S 4 pcs.	35/45 M 4 pcs.	36/46 S 4 pcs.	36/46 M 4 pcs.	37/47 S 4 pcs.	37/47 M 4 pcs.	

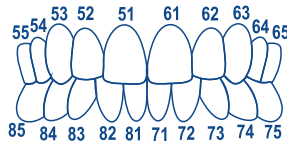
**№ 1.911** Posterior  
Transparent  
Crowns.  
Universal Kit.  
64 pcs.

**Crown build-up**



**Single Crowns. Deciduous**

Eight individual shapes of deciduous crowns for incisors and canines and eight individual shapes for premolars and molars are available



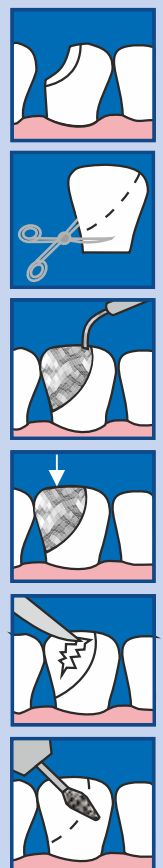
Crowns are available in three sizes - small (S), medium (M), large (L).



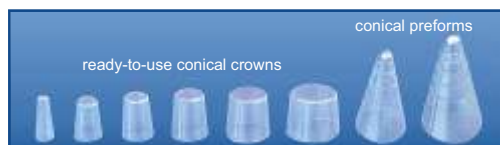
51/61 M 4 pcs.	51/61 L 4 pcs.	52/62 S 4 pcs.	52/62 M 4 pcs.	52/62 L 4 pcs.	53/63 S 4 pcs.	53/63 M 4 pcs.	
51/61 S 4 pcs.		<b>Kit № 1.912</b> <b>Crown position</b>				54/64 S 4 pcs.	
75/85 S 4 pcs.	75/85 M 4 pcs.	74/84 S 4 pcs.	74/84 M 4 pcs.	55/65 S 4 pcs.	55/65 M 4 pcs.	54/64 M 4 pcs.	

**№ 1.912** Deciduous  
Transparent  
Crowns.  
Universal Kit.  
64 pcs.

**Tooth edge repair**



**Single Crowns. Conical**



conical preforms

ready-to-use conical crowns

Conical transparent crowns for all groups of teeth are available



**№ 1.915** Conical Transparent Crowns  
64 pcs.  
(8 types per 8 pcs.)



**Single Crowns. Refills, 10 pcs. in box**

**Anterior Crowns**



Tooth shape	11/21	12/22	13/23	31/41, 32/42	31/41	32/42	33/43
Catalogue number*	1.9(11 21)S 1.9(11 21)M 1.9(11 21)L	1.9(12 22)S 1.9(12 22)M 1.9(12 22)L	1.9(13 23)S 1.9(13 23)M 1.9(13 23)L	1.9(312 412)S	1.9(31 41)M 1.9(31 41)L	1.9(32 42)M 1.9(32 42)L	1.9(33 43)S 1.9(33 43)M

\*Crowns are available in three sizes - small (S), medium (M), large (L).

**Posterior Crowns**



Tooth shape	14/24	15/25	16/26	17/27	34/44	35/45	36/46	37/47
Catalogue number*	1.9(14 24)S 1.9(14 24)M	1.9(15 25)S 1.9(15 25)M	1.9(16 26)S 1.9(16 26)M	1.9(17 27)S 1.9(17 27)M	1.9(34 44)S 1.9(34 44)M	1.9(35 45)S 1.9(35 45)M	1.9(36 46)S 1.9(36 46)M	1.9(37 47)S 1.9(37 47)M

\*Crowns are available in three sizes - small (S), medium (M), large (L).

**Deciduous Crowns**



Tooth shape	51/61	52/62	53/63	54/64	55/65	74/84	75/85
Catalogue number*	1.9(51 61)S 1.9(51 61)M 1.9(51 61)L	1.9(52 62)S 1.9(52 62)M 1.9(52 62)L	1.9(53 63)S 1.9(53 63)M	1.9(54 64)S 1.9(54 64)M	1.9(55 65)S 1.9(55 65)M	1.9(74 84)S 1.9(74 84)M	1.9(75 85)S 1.9(75 85)M

\*Crowns are available in three sizes - small (S), medium (M), large (L).

**Crowns on Plates**



**№ 1.901** Transparent Crowns for Coronal Part of Incisors  
12 pcs. per plate



**№ 1.903** Transparent Crowns for Frontal Surface of Incisors  
16 pcs. per plate



**№ 1.905** Transparent Crowns for Approximal Surface of Small & Medium Incisors & Canines  
17 pcs. per plate



**№ 1.907** Transparent Crowns for Approximal Surface of Medium & Large Incisors & Canines  
18 pcs. per plate



**№ 1.908** Transparent Crowns for Molars & Premolars  
12 pcs. per plate



**№ 1.909** Transparent Crowns for Coronal Part of Incisors, Canines & Premolars  
12 pcs. per plate

**Operating Procedure**

Cut off the crown from the plate (if necessary) and puncture it



Place the crown with filling material



Put the filled crown on to the tooth under restoration



Remove the excess filling material squeezed from the hole



**Transparent Crowns Clinical Case**



## Transparent Strips

Transparent strips are 0.05 mm thick



**No 1.040**

### Transparent Strips

8 mm wide, 100 mm long, 100 pcs.

**No 1.041**

### Transparent Strips

10 mm wide, 100 mm long, 100 pcs.



**No 1.240**

### Transparent Striproll

8 mm wide, 10 m in length  
(round box Ø 32 mm)

**No 1.241**

### Transparent Striproll

10 mm wide, 10 m in length  
(round box Ø 32 mm)

**No 1.242**

### Transparent Striproll

8 mm wide, 10 m in length  
(squared box 50x50 mm)

**No 1.243**

### Transparent Striproll

10 mm wide, 10 m in length  
(squared box 50x50 mm)

**No 1.244**

### Transparent Striproll with cutting plate

8 mm wide, 10 m in length  
(squared box 50x50 mm)

**No 1.245**

### Transparent Striproll with cutting plate

10 mm wide, 10 m in length  
(squared box 50x50 mm)

**No 1.440**

### Transparent Stopstrips

8 mm wide, 100 mm long, 12 pcs.

**No 1.441**

### Transparent Stopstrips

10 mm wide, 100 mm long, 12 pcs.



## Operating Positions



Striprolls of alternative lengths and widths can be supplied upon special request.



Cutting plate in striprolls No. 1.244 & 1.245 provides operating without scissors



## Transparent Cervical Matrix System



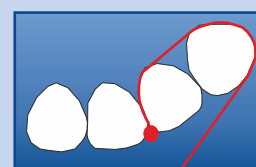
**No 1.141**

### Transparent Cervical Matrix Bands

matrix bands 10x37mm 100 pcs.  
cervical former 1 pc.  
stopper 1 pc.

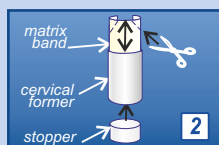


Stopstrip offers the possibility to operate with one hand only



### The system operates as follows

1. Insert matrix into the cervical former (fig. 1).
2. Cut out matrix in accordance with the tooth shape (fig. 2). Regulate the matrix position according to the tooth size.
3. Fix matrix in the cervical former by the stopper (fig. 3).
4. Perform the tooth restoration (figs. 4 - 6).



**Stem Polishing Discs**



<b>Stem Polishing Discs for Gross Reduction (Coarse)</b>			
diameter, mm	8	12	14
catalogue number, amount	<u>№ 1.611</u> 40 pcs.	<u>№ 1.621</u> 40 pcs.	<u>№ 1.631</u> 40 pcs.

<b>Stem Polishing Discs for Contouring (Medium)</b>			
diameter, mm	8	12	14
catalogue number, amount	<u>№ 1.612</u> 40 pcs.	<u>№ 1.622</u> 40 pcs.	<u>№ 1.632</u> 40 pcs.

<b>Stem Polishing Discs for Finishing (Fine)</b>			
diameter, mm	8	12	14
catalogue number, amount	<u>№ 1.613</u> 40 pcs.	<u>№ 1.623</u> 40 pcs.	<u>№ 1.633</u> 40 pcs.

<b>Stem Polishing Discs for Polishing (Superfine)</b>			
diameter, mm	8	12	14
catalogue number, amount	<u>№ 1.614</u> 40 pcs.	<u>№ 1.624</u> 40 pcs.	<u>№ 1.634</u> 40 pcs.



Discs with four types of abrasive layer are effective for finishing and polishing composite restorations including fillings located at proximal area.

**Mandrels**



№ 1.110 Mandrel for Stem Polishing Discs HP type 1 pc.



№ 1.111 Mandrel for Stem Polishing Discs RA type 1 pc.



№ 1.610 Stem Polishing Discs  
discs 8 mm 40 pcs.:  
№ 1.611 10 pcs.  
№ 1.612 10 pcs.  
№ 1.613 10 pcs.  
№ 1.614 10 pcs.  
mandrel № 1.111 1 pc.



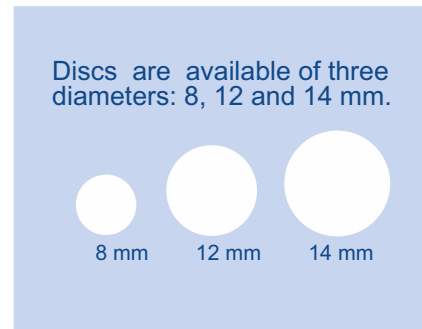
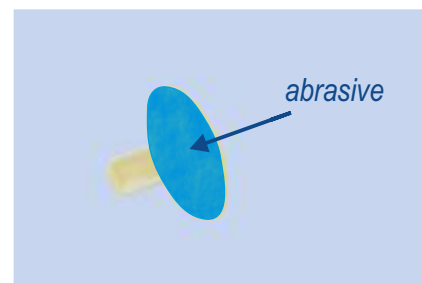
№ 1.620 Stem Polishing Discs  
discs 12 mm 40 pcs.:  
№ 1.621 10 pcs.  
№ 1.622 10 pcs.  
№ 1.623 10 pcs.  
№ 1.624 10 pcs.  
mandrel № 1.111 1 pc.



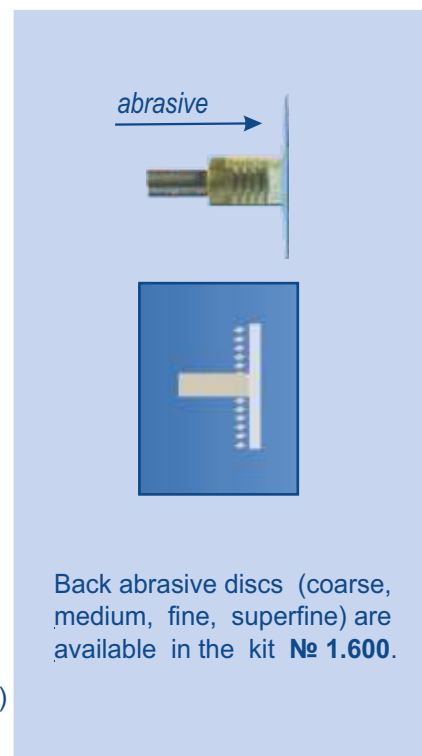
№ 1.630 Stem Polishing Discs  
discs 14 mm 40 pcs.:  
№ 1.631 10 pcs.  
№ 1.632 10 pcs.  
№ 1.633 10 pcs.  
№ 1.634 10 pcs.  
mandrel № 1.111 1 pc.



№ 1.600 Stem Polishing Discs. Universal Kit  
discs 8, 12 & 14 mm 80 pcs.:  
№№ 1.611, 1.621, 1.631 per 5 pcs.  
№№ 1.612, 1.622, 1.632 per 5 pcs.  
№№ 1.613, 1.623, 1.633 per 5 pcs.  
№№ 1.614, 1.624, 1.634 per 5 pcs.  
back abrasive  
4 types 20 pcs. (per 5 pcs. of each type)  
mandrel № 1.111 1 pc.



Discs are available of three diameters: 8, 12 and 14 mm.



Back abrasive discs (coarse, medium, fine, superfine) are available in the kit **№ 1.600**.






### Polishing Discs


Number for ordering and quantity in the pack see in the table below. № 2.731(9,5)BR ← catalogue #  
50 pcs. ← quantity in the pack




#### Polishing Discs for Gross Reduction (Coarse)

diameter, mm	9,5	10	12	12,7	14	16
	№ 2.731(9,5)BR 50 pcs.			№ 2.731(12,7)BR 50 pcs.		
	№ 2.731(9,5) 40 pcs.	№ 2.731(10) 40 pcs.	№ 2.731(12) 40 pcs.	№ 2.731(12,7) 40 pcs.	№ 2.731(14) 40 pcs.	№ 2.731(16) 40 pcs.
	№ 1.731(9,5) 40 pcs.	№ 1.731(10) 40 pcs.	№ 1.731(12) 40 pcs.	№ 1.731(12,7) 40 pcs.	№ 1.731(14) 40 pcs.	№ 1.731(16) 40 pcs.
	№ 1.731(A) 50 pcs.			№ 1.731(B) 50 pcs.		


#### Polishing Discs for Contouring (Medium)

diameter, mm	9,5	10	12	12,7	14	16
	№ 1.732(9,5) 40 pcs.	№ 1.732(10) 40 pcs.	№ 1.732(12) 40 pcs.	№ 1.732(12,7) 40 pcs.	№ 1.732(14) 40 pcs.	№ 1.732(16) 40 pcs.
	№ 1.732(A) 50 pcs.			№ 1.732(B) 50 pcs.		

#### Polishing Discs for Finishing (Fine)

diameter, mm	9,5	10	12	12,7	14	16
	№ 1.733(9,5) 40 pcs.	№ 1.733(10) 40 pcs.	№ 1.733(12) 40 pcs.	№ 1.733(12,7) 40 pcs.	№ 1.733(14) 40 pcs.	№ 1.733(16) 40 pcs.
	№ 1.733(A) 50 pcs.			№ 1.733(B) 50 pcs.		

#### Polishing Discs for Polishing (Superfine)

diameter, mm	9,5	10	12	12,7	14	16
	№ 1.734(9,5) 40 pcs.	№ 1.734(10) 40 pcs.	№ 1.734(12) 40 pcs.	№ 1.734(12,7) 40 pcs.	№ 1.734(14) 40 pcs.	№ 1.734(16) 40 pcs.
	№ 1.734(A) 50 pcs.			№ 1.734(B) 50 pcs.		



Discs with four types of abrasive layer are effective for finishing and polishing composite restorations including fillings located at proximal area.

#### Polishing Discs for Gross Reduction (Coarse)



Discs of 2.731 series have the greatest polishing ability as compared to other discs produced by TOR VM.

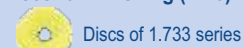
Discs 2.731BR are thinner and more flexible than discs 2.731.

Discs of 2.731 series provide higher polishing efficiency and durability.

#### Polishing Discs for Contouring (Medium)



#### Polishing Discs for Finishing (Fine)



#### Polishing Discs for Polishing (Superfine)



### Mandrels



№ 1.120 Mandrel for Polishing Discs. HP type 1 pc.



№ 1.121 Mandrel for Polishing Discs. RA type 1 pc.



№ 1.069 Polishing Discs  
discs diameter 10 mm 40 pcs.:  
№ 1.731(10) - 10 pcs., № 1.732(10) - 10 pcs.,  
№ 1.733(10) - 10 pcs., № 1.734(10) - 10 pcs.,  
mandrel № 1.121 1 pc.



№ 1.070 Polishing Discs  
discs diameter 12 mm 40 pcs.:  
№ 1.731(12) - 10 pcs., № 1.732(12) - 10 pcs.,  
№ 1.733(12) - 10 pcs., № 1.734(12) - 10 pcs.,  
mandrel № 1.121 1 pc.



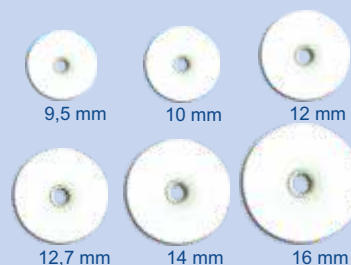
№ 1.071 Polishing Discs  
discs diameter 14 mm 40 pcs.:  
№ 1.731(14) - 10 pcs., № 1.732(14) - 10 pcs.,  
№ 1.733(14) - 10 pcs., № 1.734(14) - 10 pcs.,  
mandrel № 1.121 1 pc.



№ 1.072 Polishing Discs  
discs diameter 16 mm 40 pcs.:  
№ 1.731(16) - 10 pcs., № 1.732(16) - 10 pcs.,  
№ 1.733(16) - 10 pcs., № 1.734(16) - 10 pcs.,  
mandrel № 1.121 1 pc.

№ 1.075 Polishing Discs. Universal Kit  
discs diameter 12 & 14 mm 80 pcs.:  
№ 1.731(12) - 10 pcs., № 1.732(12) - 10 pcs.,  
№ 1.733(12) - 10 pcs., № 1.734(12) - 10 pcs.,  
№ 1.731(14) - 10 pcs., № 1.732(14) - 10 pcs.,  
№ 1.733(14) - 10 pcs., № 1.734(14) - 10 pcs.,  
mandrel № 1.121 1 pc.

Polishing discs are available of six diameters:



Discs of other diameters including 3/8" (9,5 mm) and 1/2" (12,7 mm) can be supplied upon request

**Polishing Strips**



**№ 1.050** Strips for Gross Reduction  
 gross reduction / contouring  
 25 pcs.



**№ 1.051** Strips for Contouring  
 contouring / finishing  
 25 pcs.



**№ 1.052** Strips for Polishing  
 finishing / polishing  
 25 pcs.



**№ 1.055** Polishing Strips. Universal Kit  
 gross reduction / contouring / finishing  
 75 pcs.  
 №1.050 - 25 pcs.,  
 №1.051 - 25 pcs.,  
 №1.052 - 25 pcs.

Three types:

- for gross reduction / contouring



- for contouring / finishing



- for finishing / polishing



**Strip Holders**

**NEW**



Double slot system allows to fixate both metal and plastic strips with abrasive and/or smooth surfaces



**№ 1.105** Anterior Strip Holder,  
 1 pc.



**№ 1.106** Posterior Strip Holder,  
 1 pc.

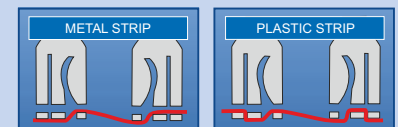


Design with screw for tension adjustment

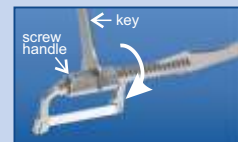
**№ 1.106B** Posterior Strip Holder,  
 1 pc.

Holders № 1.106 & № 1.106B can be used for fixation of any strip 2,9mm - 4,1mm wide.  
 Holders are more effective for operating with:  
 - metal strips 0,035 - 0,150 mm wide with or without abrasive,  
 - transparent strips 0,100 - 0,150 mm with abrasive.

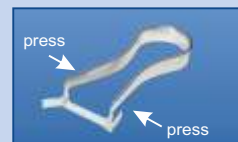
Scheme of strip fixation in strip holders  
 №№ 1.105, 1.106, 1.106B



Strip fixation in holder № 1.105



Strip fixation in holder № 1.106



**Finishing & Polishing Kits**



**№ 1.020** Finishing & Polishing Kit  
 stem polishing discs 48 pcs.:  
 № 1.631 12 pcs.  
 № 1.632 12 pcs.  
 № 1.633 12 pcs.  
 № 1.634 12 pcs.  
 polishing strips 75 pcs.:  
 № 1.050 25 pcs.  
 № 1.051 25 pcs.  
 № 1.052 25 pcs.  
 mandrel № 1.111 1 pc.



**№ 1.021** Finishing & Polishing Kit  
 polishing discs 48 pcs.:  
 № 1.731(14) 12 pcs.  
 № 1.732(14) 12 pcs.  
 № 1.733(14) 12 pcs.  
 № 1.734(14) 12 pcs.  
 polishing strips 75 pcs.:  
 № 1.050 25 pcs.  
 № 1.051 25 pcs.  
 № 1.052 25 pcs.  
 mandrel № 1.121 1 pc.

Catalogue was prepared using materials of

- K. Aleinikov (Moscow, Russia),
- K. Asimakopolus (Athens, Greece),
- V. Bezruchko (Dmitrov, Russia),
- A. Volom (Budapest, Hungary),
- V. Durov (Tver', Russia),
- Yu. Nekipelov (Vologda, Russia),
- A. Nikolaev (Smolensk, Russia),
- D. Nikolaev (Bryansk, Russia),
- A. Salova (St.Peterburg, Russia),
- I. Makeev (St.Peterburg, Russia),
- A. Sidorov (Moscow, Russia),
- V. Tishchenko (Krasnodar, Russia),
- K. Shendzhen (Krasnodar, Russia)

**CUSTOM  
 MADE**

All the products can also be assorted  
 in a different than standard way.

Submitted for publication December, 2020



**DENTAL MANUFACTURING COMPANY**

Novatorov str. 7A, Moscow, 119421, Russia  
phone +7 495 225 54 17, e-mail: [torvm77@gmail.com](mailto:torvm77@gmail.com)  
[www.torvm.ru](http://www.torvm.ru)

 *Instagram*



 *facebook*

