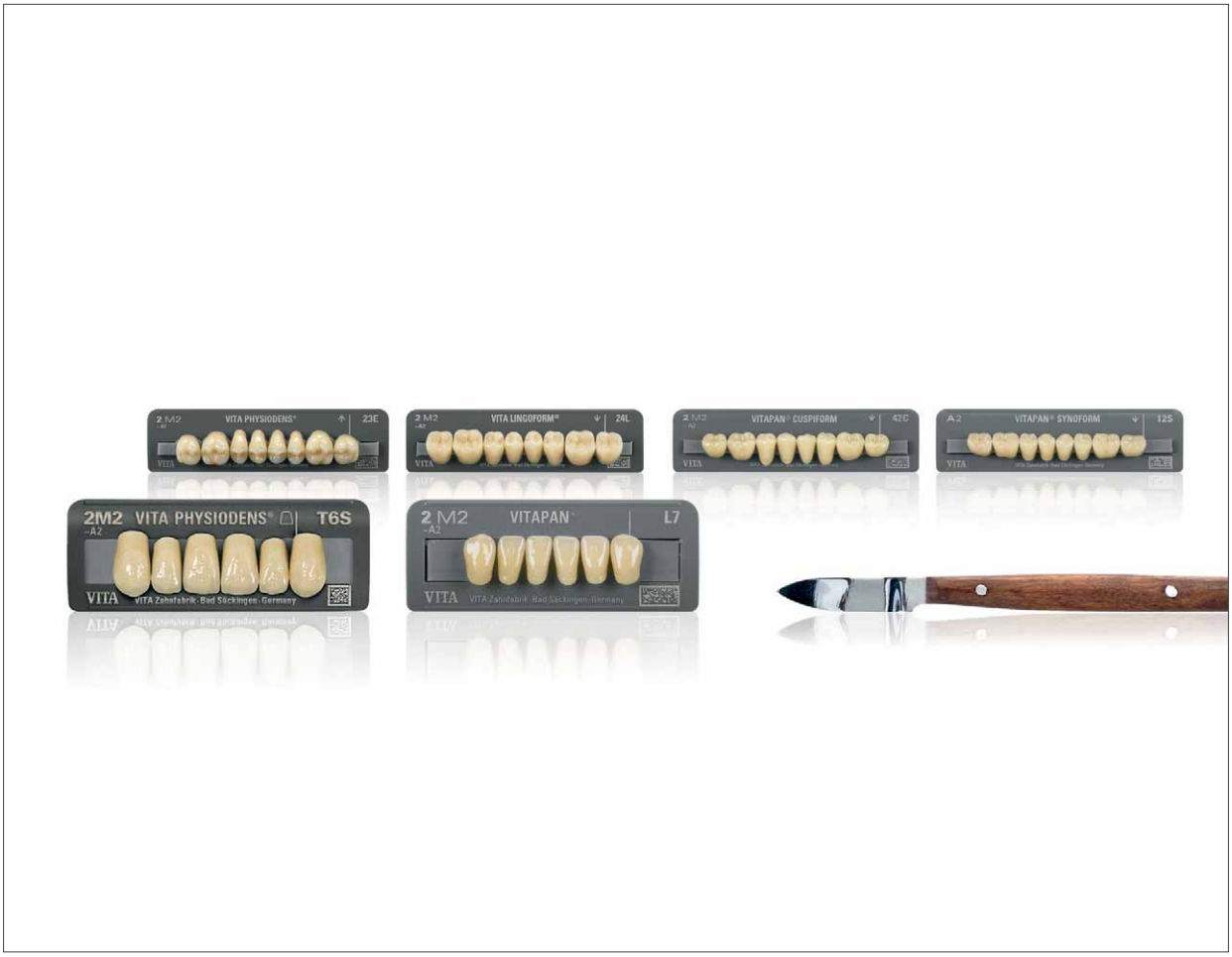
VITA PHYSIODENS® · VITA LINGOFORM® · VITAPAN®

Mould Chart Acrylic Teeth · MRP (**M**icrofiller **R**einforced **P**olyacrylic)



VITA shade taking | VITA shade communication | VITA shade reproduction | VITA shade control

Date of issue 09.10

VITA SYSTEM 3D-MASTER

Teeth · Veneering Materials · All-Ceramics · Equipment · Service

VITA

Available in VITA SYSTEM 3D-MASTER and
VITA classical A1–D4 shades (except B1).

Anterior Teeth

VITA PHYSIODENS® Anterior teeth (MRP)
Page 4

VITAPAN® Anterior teeth (MRP)
Page 8

Posterior Teeth

VITA PHYSIODENS® (MRP)
Fully anatomical
Page 14

VITA LINGOFORM® (MRP)
Fully anatomical, preabraded
Page 16

VITAPAN® CUSPIFORM (MRP)
Semianatomical
Page 17

VITAPAN® SYNOFORM (MRP)
Gerontoanatomical
Page 18

	VITAPAN® classical	VITA SYSTEM 3D-MASTER®	BLEACHED COLORS (selected moulds marked with *)	
	A1–D4 (except B1)	1M1–5M3	0M1	0M3
Anterior teeth				
VITA PHYSIODENS	x	x	x	x
VITAPAN	x	x	x	x
Posterior teeth				
VITA PHYSIODENS	x	x	–	x
VITA LINGOFORM	x	x	–	x
VITAPAN CUSPIFORM	x	x	–	–
VITAPAN SYNOFORM	x	–	–	–

VITA PHYSIODENS®

Properties

- Corporeal moulds
- Pronounced labial curvature
- Pronounced palatal ridges
- Characteristic surface morphology
- Individual and nature identical – manually layered
- Unique natural shading with impressive play of light

Effects

- Outstanding aesthetics
- Unrivalled in function except by nature

Benefits

- Ideally suited for top of the range premium prosthetics

VITAPAN®

Properties

- Attractive moulds
- Moderate labial curvature
- Moderate palatal ridges
- Balanced, harmonious surface structure
- A 3-layer tooth with manual buildup.
- Harmonious shading with nature-identical light reflection behaviour

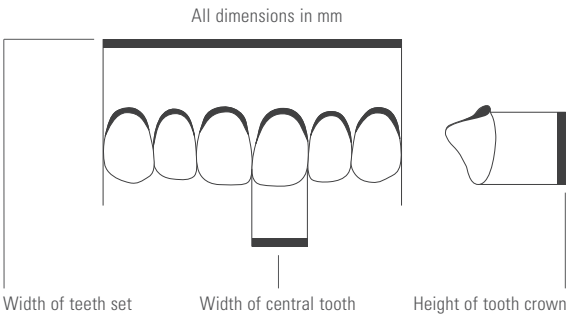
Effects

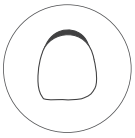
- Attractive aesthetics
- Excellent function

Benefits

- Ideally suited for individual, high-standard prosthetics

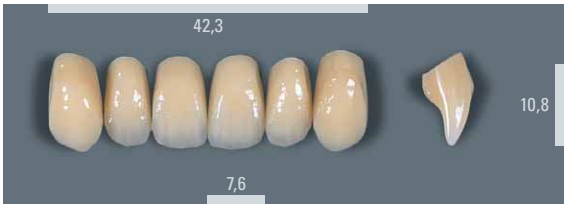
The systematic classification according to mould groups facilitates the selection and classification of the tooth moulds according to the facial features of each patient. This also serves the purpose of accurate and reliable communication between dentist and dental technician.



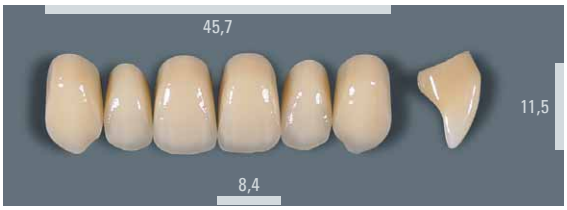


Ovoid

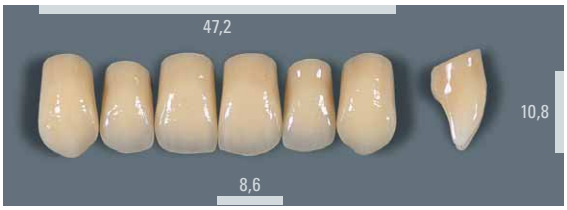
O 1S*



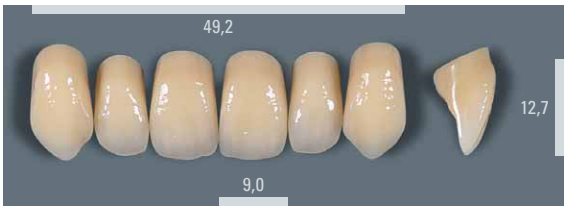
O 2L



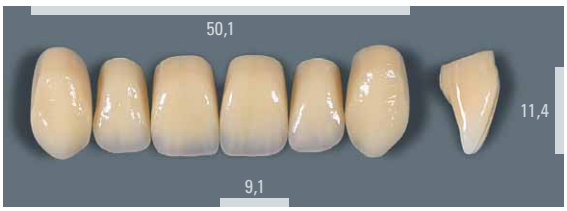
O 3M



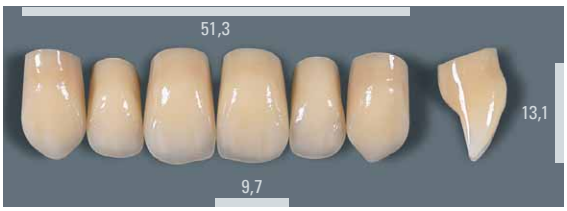
O 4L

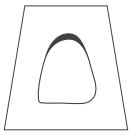


O 5L



O 6L

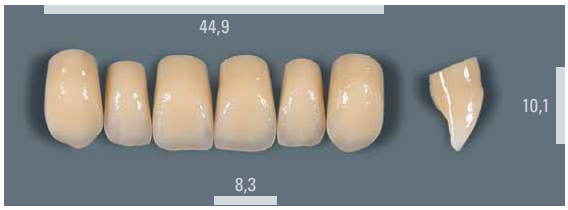




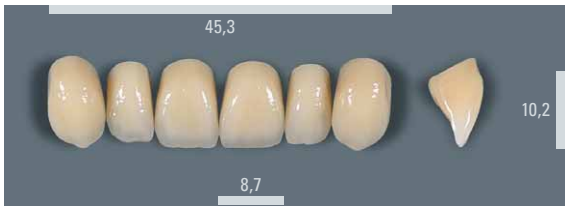
Tapering

T 6S**

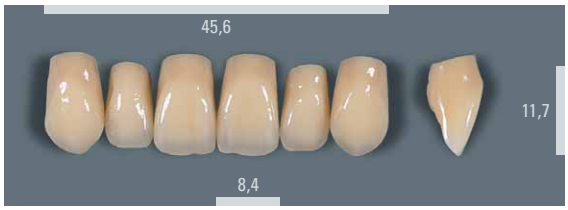
T 2S*



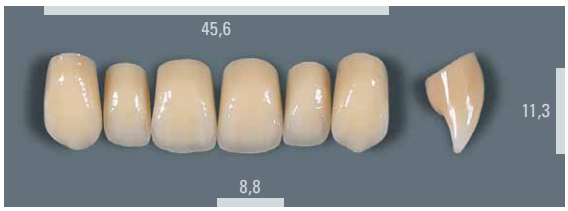
T 1S



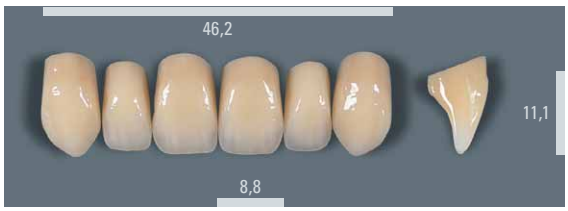
T 3M



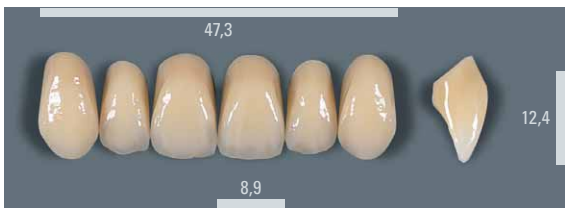
T 4M*



T 5M



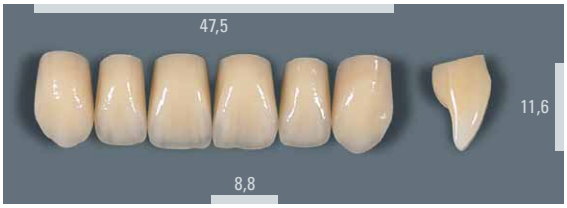
T 6L



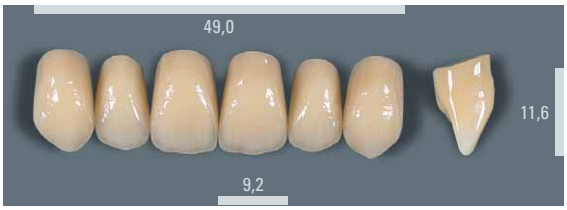
** Available exclusively in VITA SYSTEM 3D-MASTER shades.

Rectangular

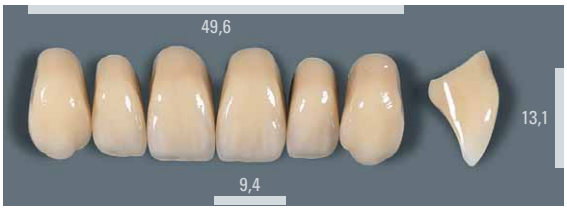
T 7M



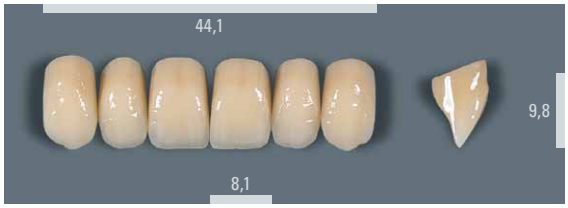
T 8L*



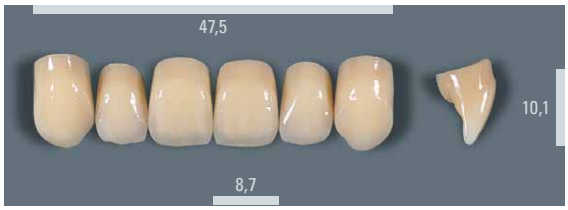
T 9L

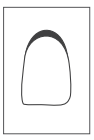


Z 1S



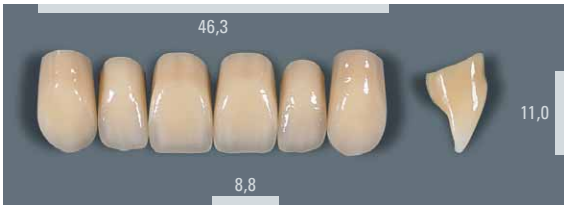
Z 2S





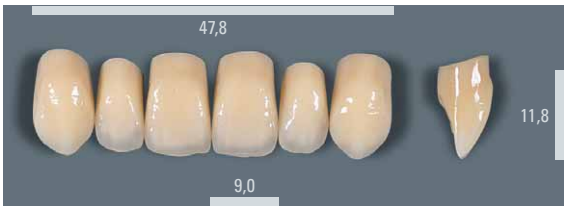
Square

X 1M*

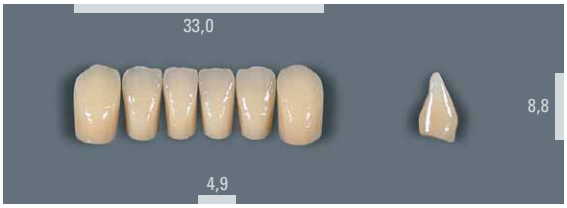


X 2L

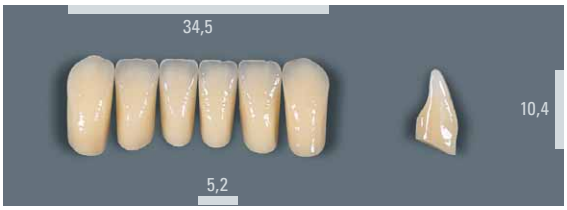
X 3L



L1S*

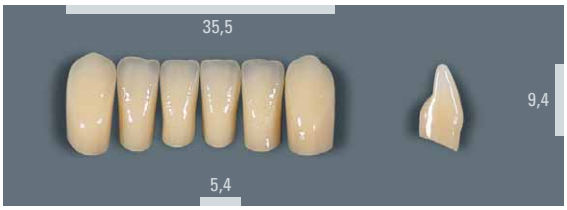


L2M*

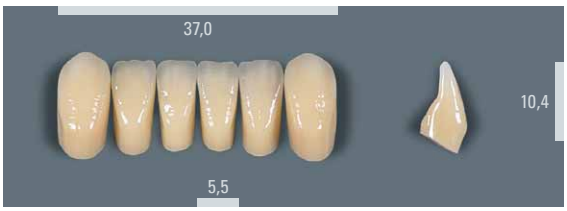


L3M*

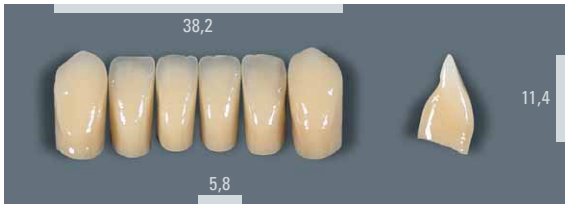
L4M*



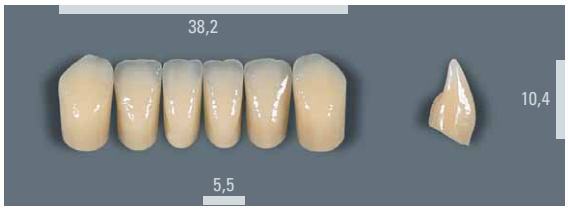
L5M*



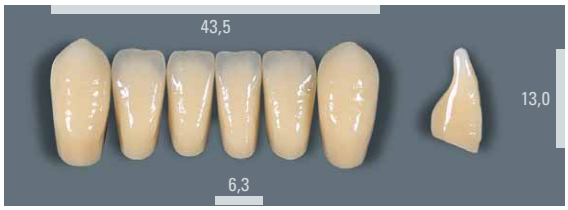
L6L



L7L



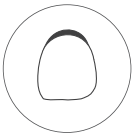
L8L



No.	mm	No. mm	mm No. mm	
O1S	42,3	**L1S** 33,0	**21 E** 30,5 32,7	**21 L** 30,1 30,7
O2L	45,7	**L2M** 34,5	**22 E** 32,9 33,7	**22 L** 31,6 32,1
O3M	47,2	**L3M** 36,3	**23 E** 33,5 34,6	**23 L** 34,2 34,8
O4L	49,2	**L6L** 38,2	**24 E** 34,8 36,1	**24 L** 35,8 36,4
O5L	50,1	**L6L** 38,2	**24 E** 34,8 36,1	**24 L** 35,8 36,4
O6L	51,3	**L8L** 43,5	**25 E** 36,7 37,3	**24 L** 35,8 36,4
T6S	41,0	**L1S** 33,0	**21 E** 30,5 32,7	**21 L** 30,1 30,7
T2S	44,9	**L2M** 34,5	**21 E** 30,5 32,7	**21 L** 30,1 30,7
T1S	45,3	**L1S** 33,0	**20 E** 29,4 31,0	**21 L** 30,1 30,7
T3M	45,6	**L3M** 36,3	**22 E** 32,9 33,7	**22 L** 31,6 32,1
T4M	45,6	**L4M** 35,5	**22 E** 32,9 33,7	**22 L** 31,6 32,1
T5M	46,2	**L3M** 36,3	**23 E** 33,5 34,6	**23 L** 34,2 34,8
T6L	47,3	**L5M** 37,0	**23 E** 33,5 34,6	**23 L** 34,2 34,8
T7M	47,5	**L7L** 38,2	**23 E** 33,5 34,6	**23 L** 34,2 34,8
T8L	49,0	**L5M** 37,0	**24 E** 34,8 36,1	**24 L** 35,8 36,4
T9L	49,6	**L6L** 38,2	**25 E** 36,7 37,3	**24 L** 35,8 36,4
X1M	46,3	**L3M** 36,3	**23 E** 33,5 34,6	**23 L** 34,2 34,8
X2L	46,2	**L4M** 35,5	**23 E** 33,5 34,6	**23 L** 34,2 34,8
X3L	47,8	**L5M** 37,0	**24 E** 34,8 36,1	**24 L** 35,8 36,4
Z1S	44,1	**L1S** 33,0	**21 E** 30,5 32,7	**21 L** 30,1 30,7
Z2S	47,5	**L5M** 37,0	**22 E** 32,9 33,7	**22 L** 31,6 32,1

VITA teeth are suitable for:

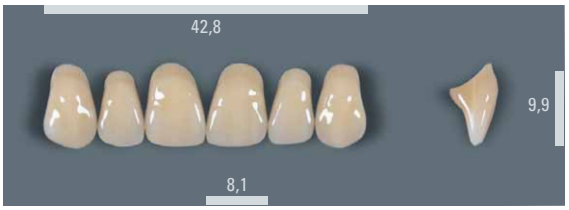
- Complete denture prostheses
- Removable partial dentures
- Implant-borne constructions
- Telescopic and conus constructions
- Attachments
- Interim prostheses



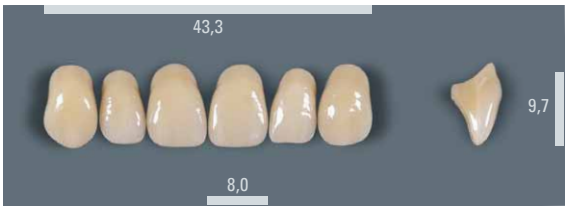
Ovoid

O 13

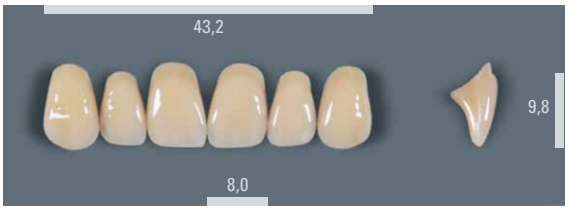
O 25



O 34

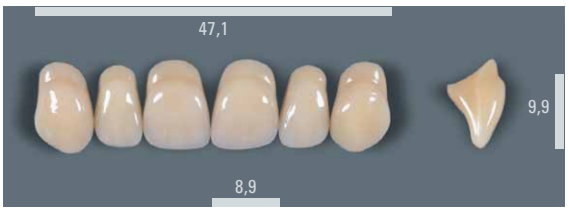


O 35

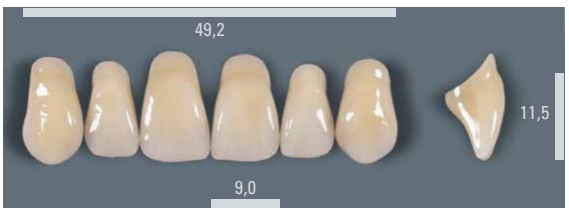


O 43

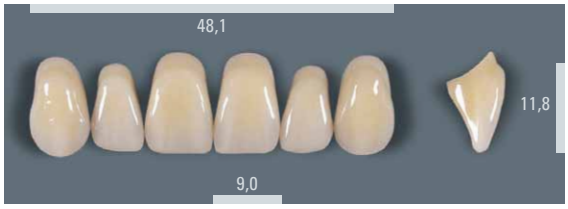
O 86



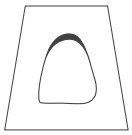
O 97



O 98*

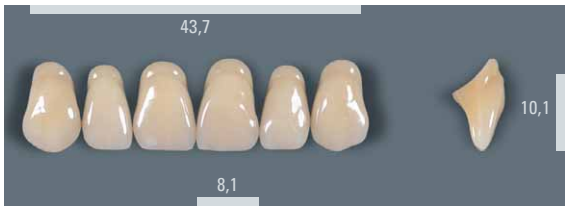


O 99

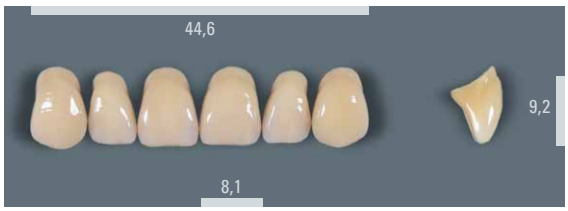


Tapering

T 36*

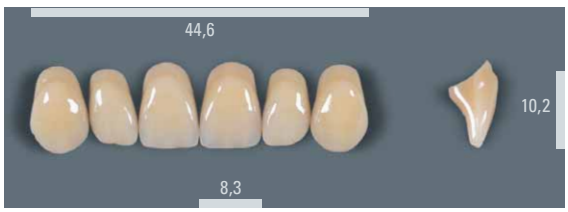


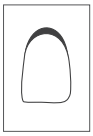
T 53



T 56

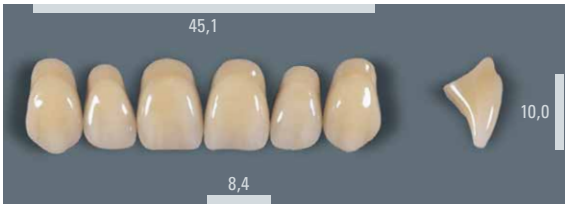
T 66





Rectangular

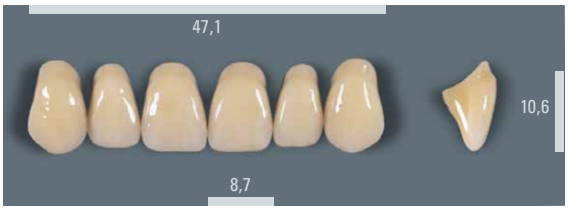
T 67



T 76*

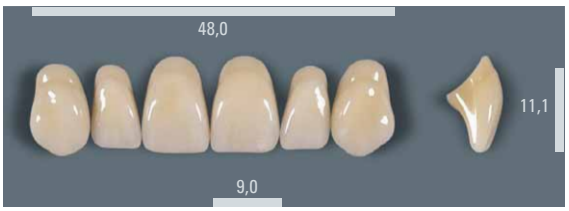
T 77*

T 88 *



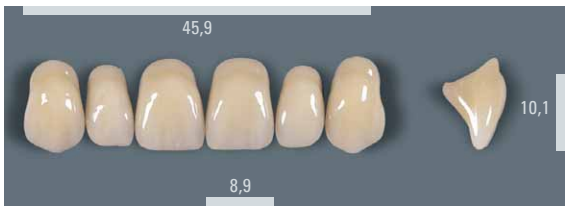
T 98

T 99



X 13

X 66

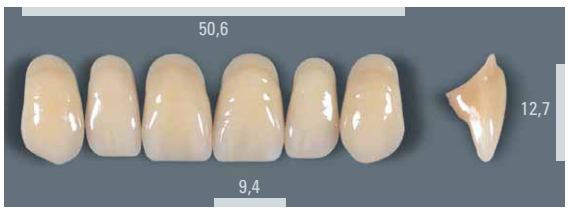


X 77

X 87

X 96

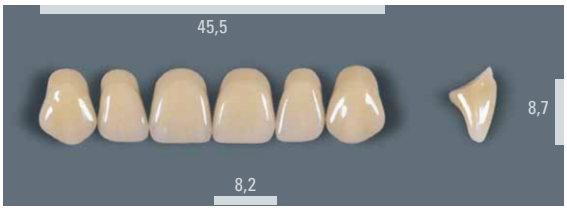
X 99



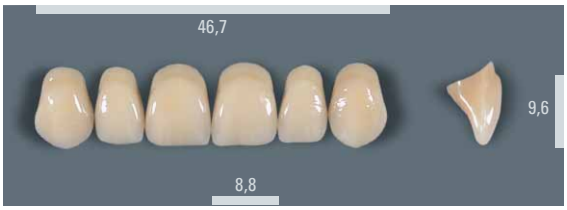
Square

Z 51

Z 61

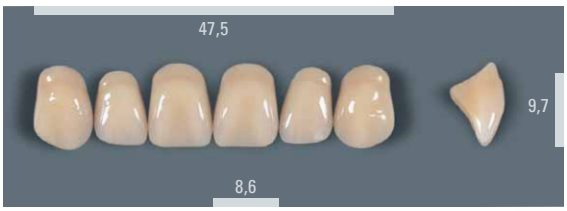


Z 74



Z 84

Z 85



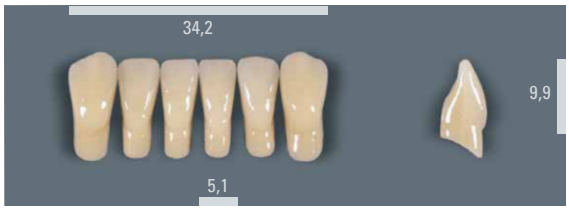
Z 97

Fully anatomical incisal edges

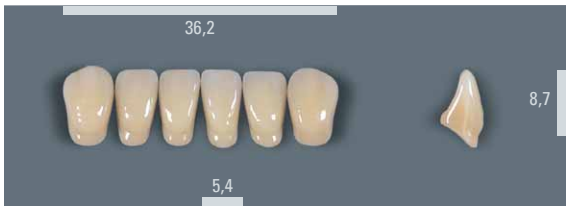
L3

L5*

L5L



L7*

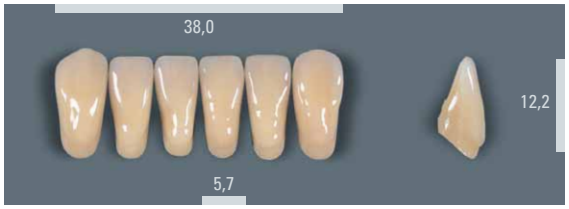


L9

L11*

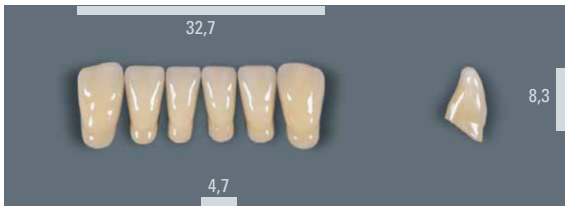
L13

L15

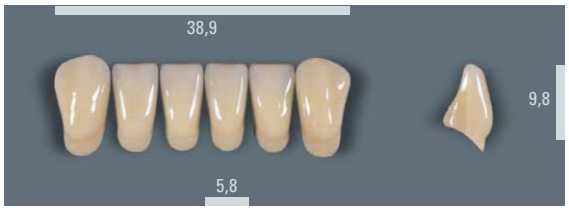


Abraded incisal edges

L4*

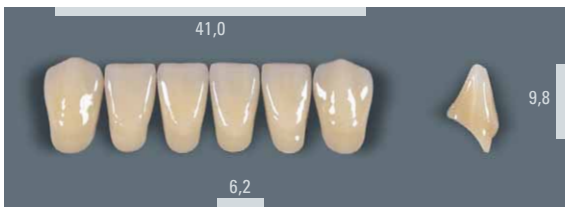


L8

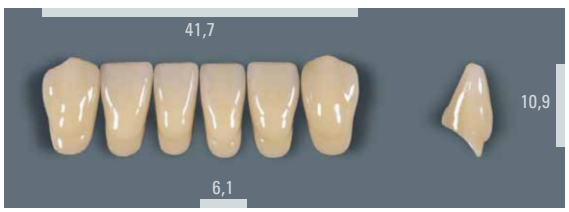


L10

L12

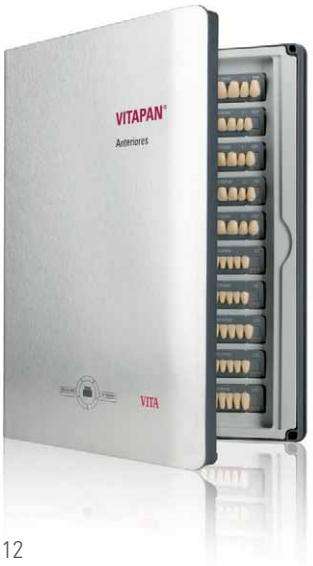


L14



No.	mm	No. mm	mm No. mm
O 13	41,7	**L 4** 32,7	**40 C 10 S 20 E 21 L** 28,1 29,0 29,4 30,1 29,5 30,5 31,0 30,7
O 25	42,8	**L 3** 33,4	**40 C 10 S 20 E 21 L** 28,1 29,0 29,4 30,1 29,5 30,5 31,0 30,7
O 34	43,3	**L 3** 33,4	**41 C 11 S 21 E 21 L** 29,9 30,0 30,5 30,1 31,3 31,9 32,7 30,7
O 35	43,2	**L 3** 33,4	**41 C 11 S 21 E 21 L** 29,9 30,0 30,5 30,1 31,3 31,9 32,7 30,7
O 43	43,6	**L 5** 35,3	**41 C 11 S 22 E 22 L** 29,9 30,0 32,9 31,6 31,3 31,9 33,7 32,1
O 86	47,1	**L 11** 36,9	**42 C 12 S 23 E 23 L** 31,7 31,1 33,5 34,2 33,4 32,7 34,6 34,8
O 97	49,2	**L 8** 38,9	**44 C 14 S 24 E 24 L** 32,8 33,1 34,8 35,8 34,6 35,4 36,1 36,4
O 98	48,1	**L 13** 37,0	**42 C 12 S 24 E 24 L** 31,7 31,1 34,8 35,8 33,4 32,7 36,1 36,4
O 99	52,5	**L 14** 41,7	**45 C 14 S 25 E 24 L** 34,8 33,1 36,7 35,8 36,3 35,4 37,3 36,4
T 36	43,7	**L 4** 32,7	**40 C 10 S 20 E 21 L** 28,1 29,0 29,4 30,1 29,5 30,5 31,0 30,7
T 53	44,6	**L 5** 35,3	**41 C 11 S 21 E 21 L** 29,9 30,0 30,5 30,1 31,3 31,9 32,7 30,7
T 56	44,4	**L 5** 35,3	**41 C 11 S 22 E 22 L** 29,9 30,0 32,9 31,6 31,3 31,9 33,7 32,1
T 66	44,6	**L 5** 35,3	**42 C 12 S 22 E 22 L** 31,7 31,1 32,9 31,6 33,4 32,7 33,7 32,1
T 67	45,1	**L 4** 32,7	**42 C 12 S 22 E 22 L** 31,7 31,1 32,9 31,6 33,4 32,7 33,7 32,1
T 76	45,9	**L 7** 36,2	**42 C 12 S 23 E 23 L** 31,7 31,1 33,5 34,2 33,4 32,7 34,6 34,8
T 77	46,2	**L 11** 36,9	**42 C 12 S 24 E 24 L** 31,7 31,1 34,8 35,8 33,4 32,7 36,1 36,4

No.	mm	No. mm	mm No. mm
T 88	47,1	**L 11** 36,9	**44 C 14 S 24 E 24 L** 32,8 33,1 34,8 35,8 34,6 35,4 36,1 36,4
T 98	50,5	**L 15** 38,0	**45 C 14 S 24 E 24 L** 34,8 33,1 34,8 35,8 36,3 35,4 36,1 36,4
T 99	48,0	**L 11** 36,9	**44 C 14 S 25 E 24 L** 32,8 33,1 36,7 35,8 34,6 35,4 37,3 36,4
X 13	41,5	**L 4** 32,7	**41 C 11 S 20 E 21 L** 29,9 30,0 29,4 30,1 31,3 31,9 31,0 30,7
X 66	45,9	**L 9** 36,1	**42 C 12 S 22 E 22 L** 31,7 31,1 32,9 31,6 33,4 32,7 33,7 32,1
X 77	47,0	**L 11** 36,9	**42 C 12 S 23 E 23 L** 31,7 31,1 33,5 34,2 33,4 32,7 34,6 34,8
X 87	46,9	**L 11** 36,9	**44 C 14 S 24 E 24 L** 32,8 33,1 34,8 35,8 34,6 35,4 36,1 36,4
X 96	50,0	**L 10** 39,0	**44 C 14 S 25 E 24 L** 32,8 33,1 36,7 35,8 34,6 35,4 37,3 36,4
X 99	50,6	**L 15** 38,0	**45 C 14 S 25 E 24 L** 34,8 33,1 36,7 35,8 36,3 35,4 37,3 36,4
Z 51	44,6	**L 3** 33,4	**43 C 13 S 22 E 22 L** 31,0 31,3 32,9 31,6 32,3 33,9 33,7 32,1
Z 61	45,5	**L 3** 33,4	**43 C 12 S 22 E 22 L** 31,0 31,1 32,9 31,6 32,3 32,7 33,7 32,1
Z 74	46,7	**L 9** 36,1	**42 C 12 S 23 E 23 L** 31,7 31,1 33,5 34,2 33,4 32,7 34,6 34,8
Z 84	46,7	**L 9** 36,1	**42 C 12 S 23 E 23 L** 31,7 31,1 33,5 34,2 33,4 32,7 34,6 34,8
Z 85	47,5	**L 13** 37,0	**44 C 14 S 24 E 24 L** 32,8 33,1 34,8 35,8 34,6 35,4 36,1 36,4
Z 97	52,2	**L 12** 41,0	**45 C 14 S 25 E 24 L** 34,8 33,1 36,7 35,8 36,3 35,4 37,3 36,4



VITA teeth are suitable for:

- Complete denture prostheses
- Removable partial dentures
- Implant-borne constructions
- Telescopic and conus constructions
- Attachments
- Interim prostheses

VITA PHYSIODENS®

Fully anatomically occlusal surfaces
which correspond to those of natural teeth.

Specially developed for BIO-Logical Prosthetics according to Dr. End following the principles of neuromuscular mandibular guidance.

Tip: DVD BIO-Logical Prosthetics, s. www.vita-zahnfabrik.de

VITA LINGOFORM®

Anatomically preabraded occlusal surfaces
which are distinguished by age-related design.

Can be used for all setups – including lingualised setup – according to the principles of
- Mechanical tooth/joint guidance
- Neuromuscular mandibular guidance

VITAPAN® CUSPIFORM

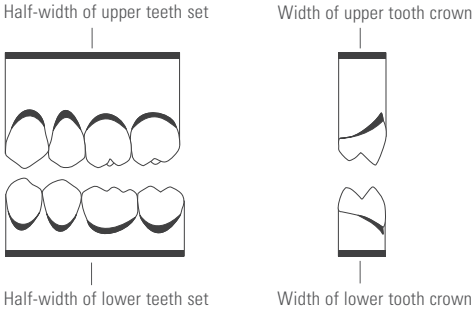
Semi-anatomical, narrow occlusal surface design
For solutions in cases where space is lacking.

Suitable for all setup concepts according to the principles of mechanical tooth/joint guidance.

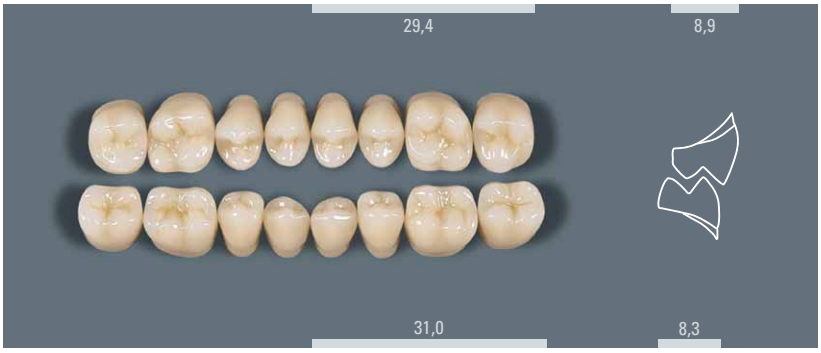
VITAPAN® SYNOFORM

Flattish occlusal surface design for gerontoprosthetics
For use in the case of severely abraded occlusal surfaces.

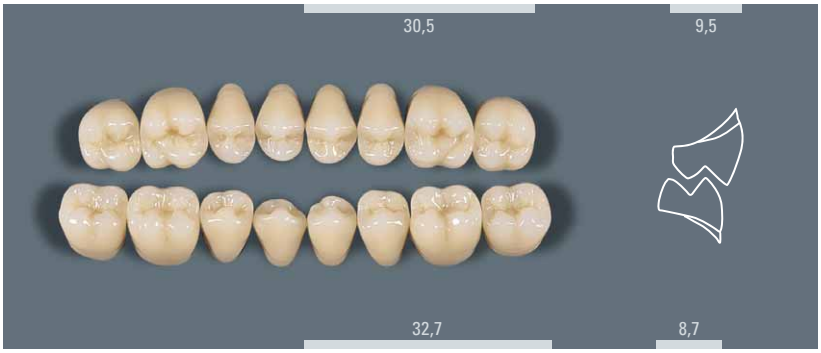
All dimensions in mm



20 E



21 E*



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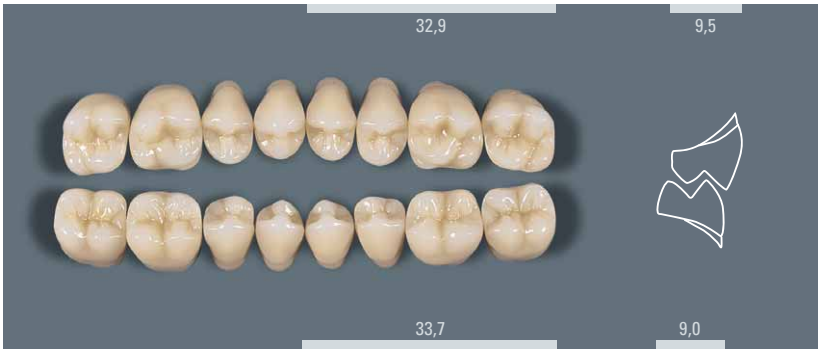

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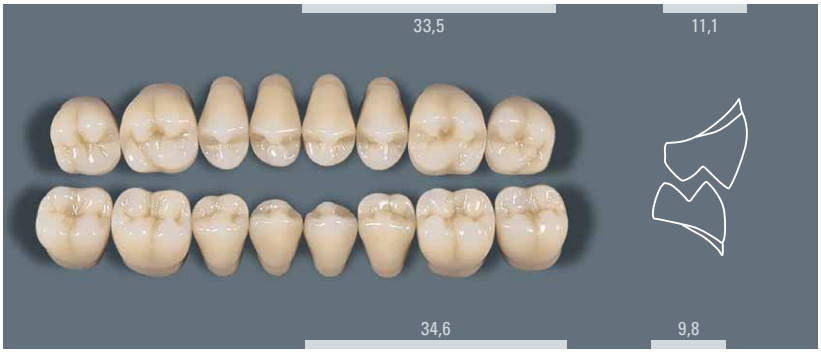
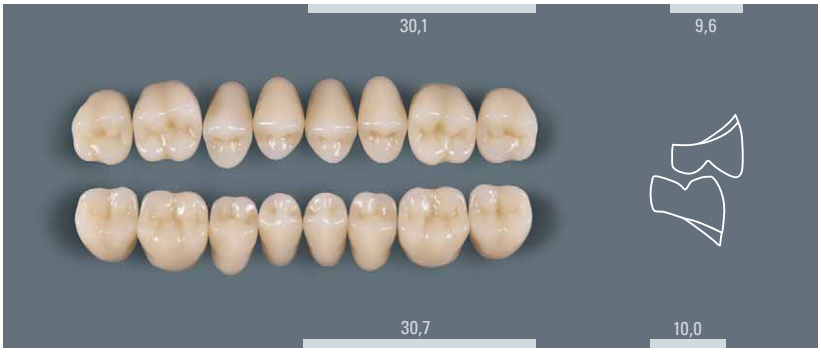


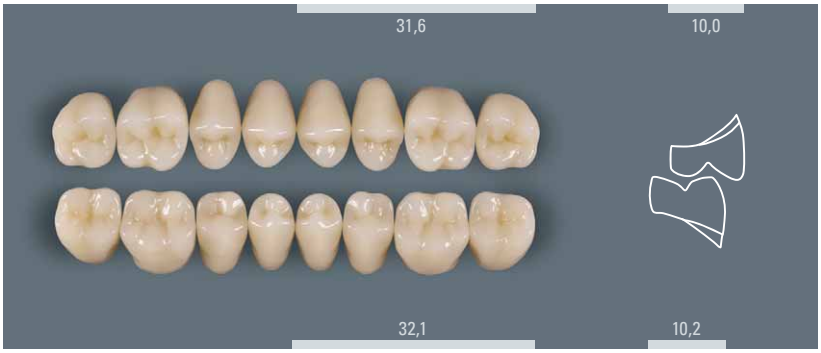
24 E*

25 E

21 L*



22 L*



23 L*

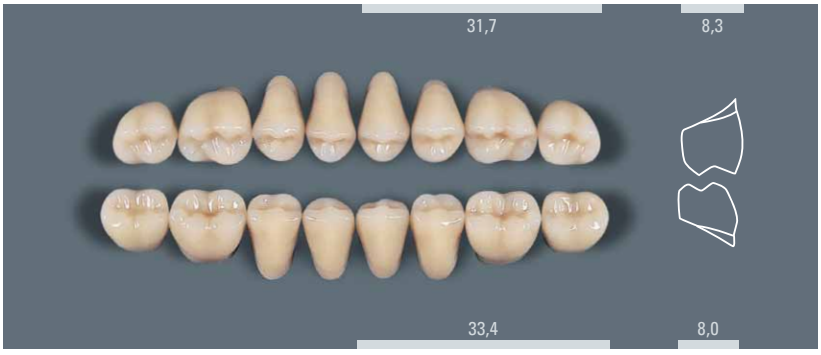
24 L*

VITAPAN CUSPIFORM

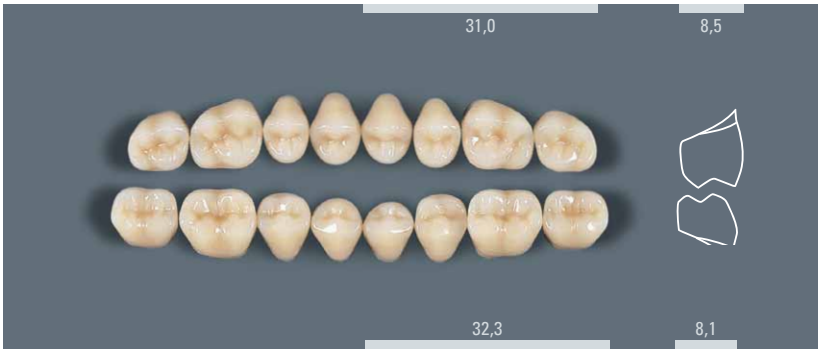
40 C

41 C*

42 C*



43 C



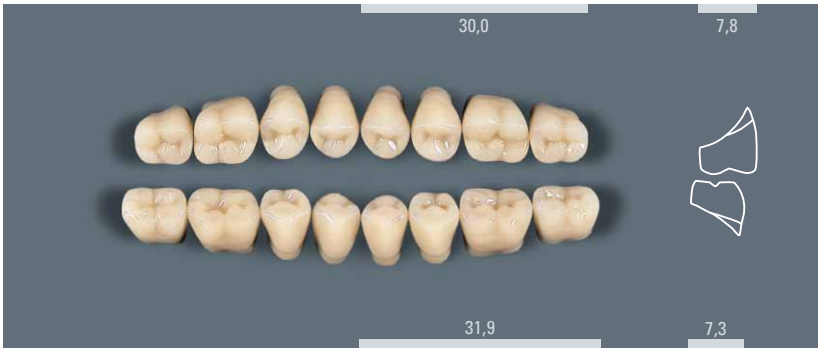
44 C*

45 C

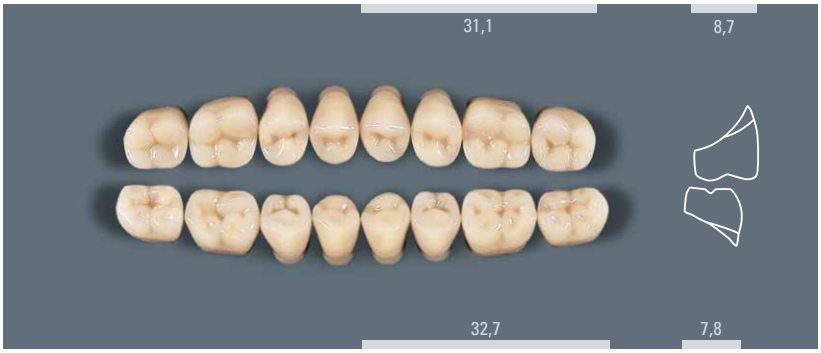
VITAPAN SYNOFORM (is not available in the VITA SYSTEM 3D-MASTER shades)

10 S

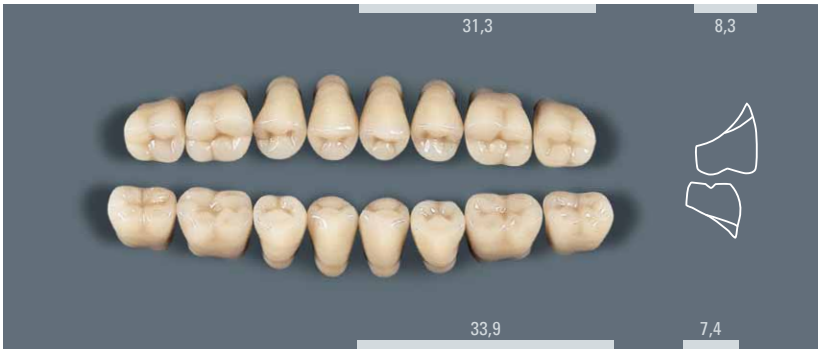
11 S



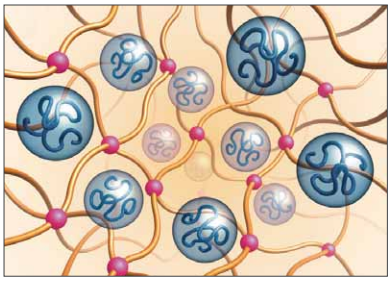
12 S



13 S



14 S



PMMA pearls, swollen by monomer

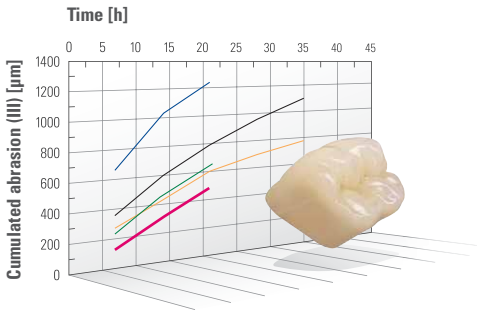
Cross-linked monomer

Inorganic microparticle filler, incorporated into polymer network

VITAPAN® **VITA PHYSIODENS®** **VITA LINGOFORM®**

In the **MRP** (**M**icrofiller **R**einforced **P**olyacrylic) material developed by VITA, inorganic microfiller materials with an optimally matched particle size distribution are integrated into the polymer network. This guarantees uniform, high-quality material properties throughout the entire tooth. In addition to this, the unique VITA repressing procedure results in a homogeneous material structure throughout which is distinguished by the secure bonding of neck, dentine and enamel of the same material.

The benefits of the MRP material include high mechanical strength and excellent shade stability – also after grinding.



INtegral
PolystarLUX
Postaris
Premium8
VITA PHYSIODENS

Abrasion resistance of artificial teeth
A comparative in-vitro study
Quintessenz Zahntech 29, 4, 510-521 (2003)

Properties

- Outstanding abrasion strength
- Tissue friendly
- Resistant to plaque
- Colour stable
- Chipping-free grinding
- Outstanding impact strength
- Reduced absorption of water
- Exceptional polishing properties – also after grinding in situ
- Good bonding with the denture base material

Effects

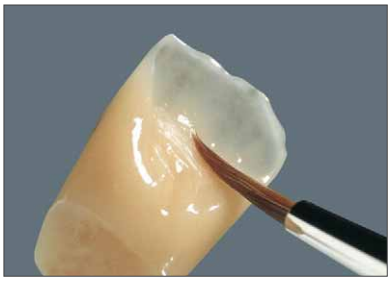
- Long life of the prosthesis
- High degree of biocompatibility
- Excellent wearing comfort
- Given the appropriate conditions, particularly suitable for implant restorations
- Very quick acceptance of the dental restoration by patients

Benefits

- Reliable/safe manufacturing process of prostheses
- Patient satisfaction in all aspects
- Image building and maintenance for dental laboratory and practice

The VITA MRP material – over 25 years in clinical use – successful use a million times over:

- Exceptional aesthetics
- Safe and accurate processing
- Reliable wear characteristics



Why individualise denture teeth?
Today's denture wearer is looking for an aesthetic, high-quality prosthesis. Often, on account of previous ceramic restorations, the patient is accustomed to a high standard in dental prosthetics. Furthermore, the demand for individual restorations in the field of removable complete and partial dentures is increasing due to the growing number of older patients.

With the VITA VM LC materials, VITA teeth can be individualised and characterised in a very short time, and in such a way that the lifelike surface structure and the basic shape of the tooth remain intact. The VITA VM LC PROFESSIONAL KIT and the VITA VM LC PAINT KIT are available for this purpose.

The type and scope of characterisation depends on the features of the patient's natural teeth and the patient's own wishes.

In complete denture prosthetics it is very helpful to have some information on the habits and age of the patient in order to achieve specific effects in the individualisation of the acrylic teeth. Photos of the patient's natural teeth can serve as a model for creating a lifelike appearance.

In the case of partial restorations, the denture teeth are individualised according to the patient's remaining natural dentition (photos, shade-taking). Further information on the processing of VITA VM LC is available in the working instructions VITA VM LC (no. 1200).

	**VITACOLL® bonding agent between acrylic teeth and denture base material*** VITACOLL ensures the reliable chemical bonding of acrylic denture teeth with heat and cold curing polymers and polymethacrylate injection moulded materials, and so prevents the teeth from breaking off the denture base. It is sufficient to roughen the basal surface of the teeth beforehand. Retention holes are not to be recommended, since these weaken the structure of the denture teeth. Please follow the working instructions of the base material manufacturer. VITACOLL is certified and bears the CE mark CE 0124. Supply schedule: 100 ml bottle.
	**VITAFOL® H with retention crystals*** Offers safety and saves time when processing denture teeth. When using VITAFOL H, the teeth are protected during deflasking, the interdental spaces stay clean and the gingival modelling remains intact.
	VITA**VM®LC** The light-curing microparticle composite VITA VM LC was developed for extraoral use in the case of fixed and removable restorations. Appropriate substructure materials are alloys and acrylic materials which are recommended by the manufacturers for the veneering of composite. The mechanical properties of VITA VM LC are ideally suited for the indications.
	**VITA Linearguide 3D-MASTER / VITA Toothguide 3D-MASTER®** With the VITA System 3D-MASTER you can determine the correct tooth shade quickly and precisely. The new VITA Linearguide 3D-MASTER is an alternative to the proven VITA Toothguide 3D-MASTER and differs in its linear arrangement of the tooth shade samples.
	**VITA Easyshade® Compact** The VITA Easyshade Compact enables you to quickly and accurately determine the correct tooth shade or to check the shade of a ceramic restoration. The cordless, mobile, lightweight unit is simple to use and displays the correct tooth shade within seconds. Its high degree of accuracy in measuring VITA SYSTEM 3D-MASTER and VITAPAN classical A1–D4 shades is based on its spectrophotometric measuring technique. It provides the basis for perfct results.
	**VITA classical shade guide A1–D4** The original – for determining tooth shades in the VITAPAN classical A1–D4 shades.

* For processing instructions please refer to the package insert.

For further information please see under www.vita-zahnfabrik.com

VITAFOL® H

Silicone separating material for the protection of acrylic and ceramic teeth during the production of restorations*

1. VITAFOL H is used for the protection of acrylic and ceramic teeth. Extremely accurate modellations of the gingival margin remain intact, and the areas to which VITAFOL H has been applied stay clean and do not need to be finished.

2. The areas that are covered with VITAFOL H do not require to be separated towards the plaster material. Accordingly, no separating agent can reach the basal surfaces of the teeth. In the case of acrylic teeth, a separating layer between teeth and denture base material can be avoided.

3. Damage during pressing and devesting is avoided through the buffer effect of VITAFOL H.

* See "Instructions for use" leaflet

VITAFOL H paste, hardening liquid and adhesive crystals

VITACOLL Bonding agent

VITACOLL®

Bonding agent for acrylic denture teeth *

Due to the use of a wide variety of denture base materials, it is often difficult for the dental technician to recognise whether these materials form a perfect bond to the available acrylic denture teeth. It is essential that the requirements of ISO 3336:1993 (E) be fulfilled. By using VITACOLL, the required reliability is guaranteed. The correct preparation and processing of the teeth, however, are of utmost significance when producing the dental prosthesis.

1. The areas of the teeth which come into contact with the denture base material should be roughened at the basal surface and retentions should be attached. Optimum stability results can be obtained by means of groove retentions (grinding tool, groove burr, shape 108). Retention holes are not to be recommended, since the air present in the retention holes cannot escape during pressing, the cavities would only be partially filled with base material. This would result in considerable weakening of the body of the tooth, so that the tooth could fracture in these areas even with minimal stress.

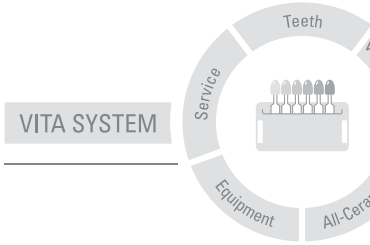
2. The teeth must be free of wax residue and separating agent. The use of VITACOLL is recommended for heat-curing resins; for self-curing resins it is obligatory. With today's generation of self-curing resins, partial solution of the tooth material with VITACOLL is absolutely required since there are base materials which might not form a bond with modern acrylic teeth without VITACOLL.

Processing

Using a brush, VITACOLL is applied to the roughened basal surfaces of acrylic teeth to which retentions have been attached. The liquid must be left to take effect for at least 5 minutes. If the wetted surface does not display a wet glaze after this time has elapsed, VITACOLL must be applied again. After the exposure time, the base material must be applied within 10 minutes, since the effect of the adhesive agent will be lost after this time.

* See "Instructions for use" leaflet

With the unique VITA SYSTEM 3D-MASTER all natural tooth shades are systematically determined and completely reproduced.



Please note: Our products should be used according to the working instructions. We cannot be held liable for damages resulting from incorrect handling or usage. The user is furthermore obliged to check the product before use with regard to its suitability for the intended area of applications. We cannot accept any liability if the product is used in conjunction with materials and equipment from other manufacturers which are not compatible or not authorized for use with our product. Furthermore, our liability for the correctness of this information is independent of the legal ground and, in as far as legally permissible, is limited to the invoiced value of the goods supplied excluding turnover tax. In particular, as far as legally permissible, we do not assume any liability for profit loss, for indirect damages, for consequential damages or for claims of third parties against the purchaser. Claims for damages based on fault liability (fault in making the contract, breach of contract, unlawful acts, etc.) can only be made in the case of intent or gross negligence.
Date of issue of these instructions for use 09.10

VITA Zahnfabrik is certified according to the Medical Devices Guideline and the following products bear the CE 0124:
VITA PHYSIODENS® · **VITA LINGOFORM®** · **VITAPAN®** · **VITACOLL®** · **VITAFOL® H**
The VITA PHYSIODENS Assortment fulfills the requirements of the standard ISO 22112:2005. VITA PHYSIODENS Anteriores were developed in collaboration with dental technician Solvey Bossen. (Ravensburg/Germany), and also modelled by the latter.

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