

Edition 25

Prosthetics Catalog



The complete program.

Edition 25

Prosthetics Catalog

The complete program.

Ceramics	Grey
CAD/CAM materials	Teal
Crowns and bridges	Dark Blue
Implantology	Dark Blue
Partial denture	Orange
Finishing	Yellow
Prosthetics	Cyan
Wires Clasps	Dark Blue
Expansion screws	Green
Orthodontic acrylics	Pink
Pliers Instruments	Dark Blue
Equipment	Dark Red
Knowledge	Dark Blue
Courses, webinars and events	Light Grey
Service	Dark Blue

*"He who ceases to want
to improve, ceases to
be good."*

*Marie von
Ebner-Eschenbach*

Customer number

Please enter your Dentaforum customer number here. For faster service, we kindly ask you to use your customer number when ordering.

Dear Customer,

In our current catalog, you will find the entire range of products from Dentaureum for dental prosthetics. This includes our zirconium oxide blank portfolio ceraMotion® Z which, together with our ceramic system ceraMotion® and paste ceramic system ceraMotion® One Touch, completes our product line for ceramics. Zirconium oxide is particularly suitable for high-standard prosthetic restorations due to its many possible uses, its biocompatibility and its visual shade matching ability.

Proven materials are also included in the new Prosthetics catalog such as our high-quality remanium® alloy which offers new application possibilities thanks to milling and laser melting technologies. 3D metal printing is now used in dentistry, leading to improved efficacy in dental prosthetics. The portfolio is complemented by new products in the field of intra-oral and laboratory scanners along with the required software products.

As an owner-managed family company and the oldest dental company in the world, we have placed great value on environmental protection and sustainability for many years. We strive to avoid producing waste, to reduce packaging and introduce recyclable packaging materials, to reduce fresh water consumption by installing a cooling water circuit and to plant vegetation on the roofs of our buildings. These are a few of the many measures we implemented very early on. We were one of the first industrial companies in Germany, Europe and worldwide, to introduce a certified environment management system more than almost 30 years ago, in 1994.

To keep you up to date, we are constantly working on the development of our products with a team of scientists, engineers and dental technicians. We also follow closely the latest developments on the dental market, since it takes products of the best quality to guarantee you the highest level of safety in your daily work.

Best regards from Ispringen,

Mark Stephen Pace

Claudia Stöhrle

Ralph Dittes

Management Dentaureum

Dentaurum

Germany | Benelux | España | France | Italia | Switzerland | Australia | Canada | USA
and in more than 130 countries worldwide.



Dental technologies that set standards.

Dentaurum develops, produces and sells dental products and services worldwide. Dentaurum has played an active role in the dental sector for more than 137 years as an owner-managed family company with its headquarters in Ispringen (near Pforzheim, northern Black Forest), Germany.

Experience Dentaurum by taking a virtual tour in a 360° perspective. There is a total of five 360° viewpoints which give you a fantastic overview.





Orthodontics

Implantology

Prosthetics

Ceramics



Photo © Christian Frenzel®

High-tech in-house.



There is a high level of professional knowledge in our company that has been built up over the years in our own research and development facilities, both in Germany and in France. Highly qualified employees work together in interdisciplinary teams to find answers to the challenges the future poses. At the same time, long-standing co-operations with experts from universities and clinics contribute to finding new developments and innovations.

A further result of these efforts: a comprehensive product portfolio which is one of Dentaureum's strengths. No other dental company has such an extensive range of products offering a total of more than 8500 articles.





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Order easily online.

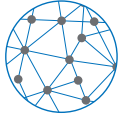


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Your advantages:

- Detailed product information.
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- Individualized list of articles frequently ordered.
- Your terms and prices are displayed.
- Secure internet connection with SSL encryption.
- Determine the delivery date of your order.

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DENTAURUM
DIGITAL

Innovative order platform for
patient-specific products and services.



digital.dentaurum.de



Order products and services for the individual patient quickly and easily. Products are manufactured to a high level of quality thanks to professional quality management and validated manufacturing processes as well as industry standard for machines and processes.

Products available:

- **prime4me® Aligner:** orthodontic aligner therapy from Dentaurum.
- **prime4me® model printing:** base models and dental arch models for orthodontics.
- **prime4me® RETAIN3R:** unique fit using a three-dimensional construction design.

Your advantages:

- Easy, intuitive ordering for all Dentaurum Digital products.
- Easy file upload.
- Display of current order status.
- Easy approval of prime4me® RETAIN3R design and prime4me® Aligner treatment proposal.
- Filing of all open and completed orders.
- Online order-related communication with experienced support employees via the order platform.

Availability may vary depending on the country. Please ask your local representative.

Your direct contact.



Chat with us.

In the Chat function, you can correspond with our Customer Service employees in text form.



Hello, we can answer your questions quickly and easily.



Click on the chat symbol on our website, and simply send us your questions. We're happy to chat with you.



Give it a try.
We look forward to hearing from you!

D
DENTAURUM

Telephone	+4972 31/803-0
Fax	+4972 31/803-295
Email	info@dentaurum.com

D
DENTAURUM
AUSTRALIA

Telephone	+61 2 97 43 48 11
Fax	+61 2 97 43 45 99
Email	info@dentaurum.com.au

D
DENTAURUM
CANADA

Telephone	+1-800-363-9973
Fax	+1-888-771-3640
Email	info@dentaurum.ca

D
DENTAURUM
USA

Telephone	+1-800-523-3946
Fax	+1-800-553-6389
Email	info@dentaurum-us.com



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ceraMotion®

The complete ceramic system.



Photo: © Christian Ferrari®

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ceraMotion® One Touch



my first ceramic in paste.

ceraMotion® One Touch is the first veneering ceramic in paste form. The 2D and 3D pastes have been specially developed for the quick and aesthetic finish of all-ceramic restorations made of lithium disilicate and zirconium oxide.

Smart.

What you see is what you get.

Fast.

All in one firing.

Aesthetic.

Natural translucency, opalescence and fluorescence.



ceraMotion® 2D pastes.

The small particle size in combination with the translucency of the masses helps optimize the color of the tooth, the brightness value and the in-depth effect of all-ceramic restorations.

- The translucency of the 2D pastes maintains the light dynamics.
- The fluorescence of the pastes was adapted to lend a natural appearance also to all-ceramic restorations.
- Maximum aesthetics thanks to color-coordinated pastes with 3D effect.

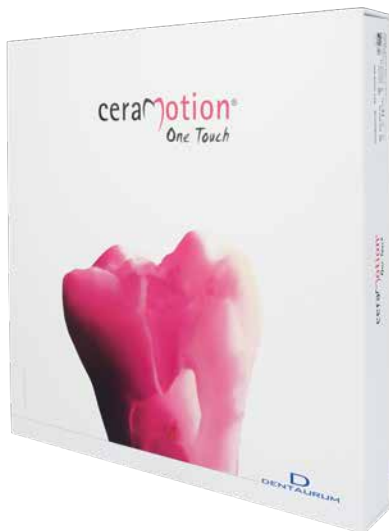
ceraMotion® 3D pastes.

- By joining slightly larger ceramic particles with a thixotropic paste, it is possible to shape the incisal area, the occlusal surface area and dentin area, and to add contact points precisely.
- The 3D pastes have a firing stability which guarantees that the desired morphology is maintained.
- The translucency and the opalescence of the ready-made 3D incisal masses create an in-depth effect which appears authentic.
- The pastes' fluorescence was adapted to the fluorescence of natural teeth.



Ceramic in paste form

ceraMotion® – One Touch
One Touch



ceraMotion® One Touch Set

- set specially assorted for the easy finishing of aesthetic, fully anatomical restorations.
- fast and easy handling thanks to ready-mixed ceramic pastes.

REF 250-800-70

1 set

CE 0483

Contents:

Designation	REF	Quantity
Paste Glaze PGL transpa	250-271-03	3 g
Paste 3D P 3D I2	250-300-03	3 g
Paste 3D P 3D lumin	250-301-03	3 g
Paste 3D P 3D neutral	250-302-03	3 g
Paste 3D P 3D opal blue	250-303-03	3 g
Paste 3D P 3D opal grey	250-304-03	3 g
Paste 3D P 3D opal honey	250-305-03	3 g
Paste 2D P 2D A	250-306-03	3 g
Paste 2D P 2D B	250-307-03	3 g
Paste 2D P 2D C	250-308-03	3 g

Designation	REF	Quantity
Paste 2D P 2D D	250-309-03	3 g
Paste 2D P 2D white	250-310-03	3 g
Paste 2D P 2D grey	250-311-03	3 g
Paste 2D P 2D honey	250-312-03	3 g
Paste 2D P 2D blue	250-313-03	3 g
Paste 2D P 2D violet	250-314-03	3 g
Diluting Liquid	254-012-01	10 ml
Refreshing Liquid	254-014-01	10 ml
2D Brush	260-905-20	1 piece
3D Brush	260-906-20	1 piece

Paste 2D P 2D

Finishing glaze pastes to achieve required V-color A-D / for individual characterization as required.
It is possible to work with the 3D pastes without intermediate firing. 2D pastes can be used to determine the degree of brightness individually: white (lighter), grey (darker).



Color	REF	Quantity
A	250-306-03	3 g
B	250-307-03	3 g
C	250-308-03	3 g
D	250-309-03	3 g
white	250-310-03	3 g
grey	250-311-03	3 g
honey	250-312-03	3 g
blue	250-313-03	3 g
violet	250-314-03	3 g

CE 0483

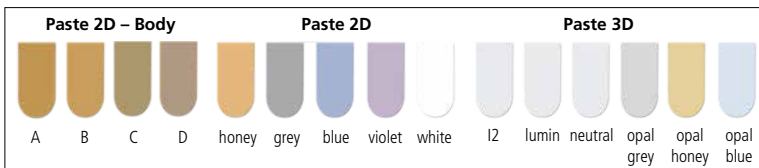
Paste 3D P 3D

- incisal 3D pastes for minimum layering and in-depth effect (3D paste I2 + lumin).
- a neutral 3D paste with increased transparency to modify the 3D incisal pastes (3D paste neutral).
- color-coordinated 3D pastes with an opalescent effect for individualization (3D paste opal blue, opal grey, opal honey).



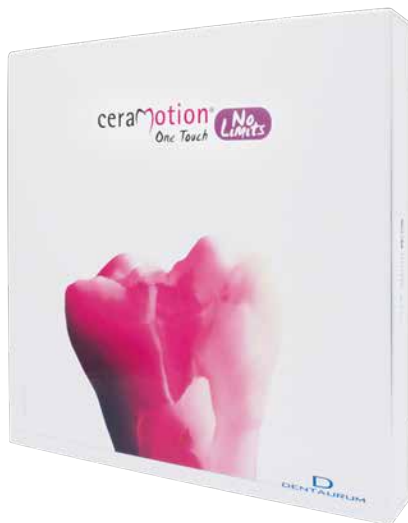
Color	REF	Quantity
I2	250-300-03	3 g
lumin	250-301-03	3 g
neutral	250-302-03	3 g
opal blue	250-303-03	3 g
opal grey	250-304-03	3 g
opal honey	250-305-03	3 g

CE 0483



Ceramic in paste form

ceraMotion® One Touch No Limits – One Touch No Limits



ceraMotion® One Touch No Limits Set

- complement to ceraMotion® One Touch set
- no limits on handling, thickness and achieving all colors (classical and 3D-Master)
- unique 3D dentins in paste form
- all ceraMotion® One Touch 3D and 2D pastes, fluids and ceraMotion® Stains Universal can be freely mixed with one another to create an individual range of shades
- all 2D and 3D pastes are fluorescent

REF 250-801-70

1 set

CE 0483

Contents:

Designation	REF	Quantity
Paste Glaze PGL bright bright	250-272-03	3 g
Paste 3D P 3D bleach	250-293-03	3 g
Paste 3D P 3D light	250-294-03	3 g
Paste 3D P 3D medium	250-295-03	3 g
Paste 3D P 3D dark	250-296-03	3 g
Paste 3D P 3D transpa	250-297-03	3 g
Paste 3D P 3D opal bright	250-298-03	3 g
Paste 3D P 3D I3	250-299-03	3 g
Paste 2D P 2D I2	250-315-03	3 g
Paste 2D P 2D I3	250-316-03	3 g

Designation	REF	Quantity
Paste 2D P 2D Body R	250-317-03	3 g
Paste 2D P 2D Body L	250-318-03	3 g
Paste 2D P 2D Body R+	250-319-03	3 g
Paste 2D P 2D Body orange	250-320-03	3 g
Stains ST white	254-201-02	2 g
Stains ST red brown	254-212-02	2 g
Diluting Liquid	254-012-01	10 ml
Refreshing Liquid	254-014-01	10 ml
2D Brush	260-905-20	1 piece
3D Brush	260-906-20	1 piece

Ceramic in paste form

One Touch No Limits – ceraMotion® One Touch No Limits

Paste 2D P 2D

Advantages:

- new incisal pastes to create natural in-depth effect on incisal area
- create own shades by mixing with all 2D pastes and ceraMotion® Stains Universal
- fluorescence for a natural appearance of all-ceramic restoration
- new, colored 2D pastes (Body L, Body R, Body R+, Body orange) to achieve required Vita 3D-Master®* shades



Color	REF	Quantity
I2	250-315-03	3 g
I3	250-316-03	3 g
Body R	250-317-03	3 g
Body L	250-318-03	3 g
Body R+	250-319-03	3 g
Body orange	250-320-03	3 g

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* Vita 3D-Master® is a registered trademark of Vita Zahnfabrik H. Rauter GmbH & Co. KG, Bad Säckingen, Germany.

Paste 3D P 3D

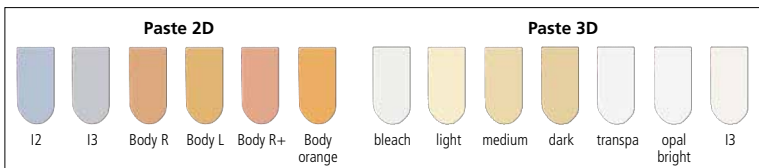
3D paste for incisal and dentin for aesthetic finish of all-ceramic restorations.

- ready-to-use
- fluorescent
- compatible with all 2D pastes and fluids from the ceraMotion® One Touch assortment



Color	REF	Quantity
Dentin bleach	250-293-03	3 g
Dentin light	250-294-03	3 g
Dentin medium	250-295-03	3 g
Dentin dark	250-296-03	3 g
Incisal transpa	250-297-03	3 g
Incisal opal bright	250-298-03	3 g
Incisal I3	250-299-03	3 g

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Ceramic in paste form

ceraMotion® One Touch Pink – One Touch Pink



ceraMotion® One Touch Pink Set

The 3D pastes were specially developed for the aesthetic finalization of the gingiva-colored parts of ceramic restorations made of zirconium oxide and lithium disilicate (e.g. ceraMotion® Z, ceraMotion® LiSi).

REF 250-803-70	1 set
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CE 0483

Contents:

Designation	REF	Quantity
Paste 3D Gingival gingival 1	250-330-03	3 g
Paste 3D Gingival gingival 2	250-331-03	3 g
Paste 3D Gingival gingival 3	250-332-03	3 g
Paste 3D Gingival gingival 4	250-333-03	3 g
Paste 3D Gingival gingival white	250-334-03	3 g

Designation	REF	Quantity
Paste 3D Gingival gingival transpa	250-335-03	3 g
Paste 3D Gingival gingival modifier	250-336-03	3 g
Diluting Liquid	254-012-01	10 ml
Refreshing Liquid	254-014-01	10 ml
3D Brush	260-906-20	1 piece

Paste 3D Gingival

- fast and easy handling thanks to ready-mixed ceramic pastes
- for the individual design of pink aesthetics
- maximum aesthetics thanks to color-coordinated pastes with in-depth effect
- not fluorescent, like natural gingiva



Color	REF	Quantity
gingival 1	250-330-03	3 g
gingival 2	250-331-03	3 g
gingival 3	250-332-03	3 g
gingival 4	250-333-03	3 g
gingival modifier	250-336-03	3 g
gingival white	250-334-03	3 g
gingival transpa	250-335-03	3 g

CE 0483



Ceramic in paste form

ceramotion® – Accessories
One Touch



Paste Glaze PGL transpa

Glaze material in paste form.

Particularly suitable for monolithic restorations made of zirconium oxide and lithium disilicate.

- fluorescent
- can be applied precisely

Color	REF	Quantity
transpa	250-271-03	3 g

CE 0483



Paste Glaze PGL bright

Ready-to-use fluorescent paste glaze to seal the surface of the restoration and to increase the brightness of the shade.

Advantages:

- one bake to achieve homogeneous glaze level
- fluorescence for a natural appearance
- recommended especially for bright and bleach shades

Color	REF	Quantity
bright	250-272-03	3 g

CE 0483



Diluting Liquid

To mix the ceraMotion® One Touch 2D pastes to reduce the paste's viscosity.

REF 254-012-01	10 ml
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CE 0483



Refreshing Liquid

To adjust the viscosity without affecting the stability of the ceraMotion® One Touch 3D pastes.

REF 254-014-01	10 ml
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CE 0483



2D Brush

Brush for application of 2D pastes.

REF 260-905-20	1 piece
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3D Brush

Brush for application of 3D pastes.

REF 260-906-20	1 piece
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Ceramic in paste form

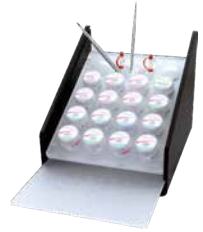
Accessories – **ceraMotion®**
One Touch

ceraMotion® One Touch Display

Display with mixing plate for ceraMotion® One Touch
(without content).

REF 250-350-00

1 piece



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ceraMotion®
LiSi



ceraMotion® LiSi.

ceraMotion® LiSi is a lithium disilicate press ceramic that harmonizes perfectly with ceraMotion® Zr veneering ceramics and the innovative ceraMotion® One Touch finishing pastes.

This press ceramic system stands out as being more efficient than the average. Lithium disilicate is also a particularly strong material and highly aesthetic.

Combined in the right way with ceraMotion® press invest, an investment material specially coordinated for the system, surfaces can be created that are exceptionally smooth and homogeneous from the press pellets that were developed at Dentaurum.

The result: aesthetic restorations, easy and fast.



Excellent results thanks to the coordinated press investment material.

First-class, homogeneous press results can be achieved with a process that is fast and involves minimum effort.

Compact product range with low stock levels.

Although the system is capable of covering the Vita 3D-Master®* shade range, the amount of shades and translucencies required remains economically viable.

Simple to finish with ceraMotion® One Touch.

By using the right finishing pastes, it is possible to quickly achieve a result that is very natural with only one firing.

Amazing aesthetic results for monolithic crowns.

Exceptionally good aesthetic results can be achieved for all-ceramic pressed restorations with the right combination of translucency, opalescence and fluorescence.

* Vita 3D-Master® is a registered trademark of Vita Zahnfabrik H. Rauter GmbH & Co. KG, 79704 Bad Säckingen, Germany.

ceraMotion® – Press ceramic



ceraMotion® LiSi Ingots HT

ø 13 mm

High Translucency

- high-strength lithium disilicate ceramic
- press ingots for pressing inlays, onlays, veneers, crowns and three unit bridges in anterior and bicuspid area
- transparent, slightly colored ingots, similar to enamel

Shade code	REF	Quantity
HT 1	255-041-05	5 pieces 3 g each
HT 2	255-042-05	5 pieces 3 g each

CE 0483

HT 1 = transparency similar to tooth enamel – light
HT 2 = transparency similar to tooth enamel – slightly colored



ceraMotion® LiSi Ingots LT

ø 13 mm

Low Translucency

- high-strength lithium disilicate ceramic
- press ingots for pressing inlays, onlays, veneers, crowns and three unit bridges in anterior and bicuspid area

Shade code	REF	Quantity
LT A1	255-001-05	5 pieces 3 g each
LT A2	255-002-05	5 pieces 3 g each
LT A3	255-003-05	5 pieces 3 g each
LT A3,5	255-035-05	5 pieces 3 g each
LT A4	255-004-05	5 pieces 3 g each
LT B2	255-012-05	5 pieces 3 g each
LT B3	255-013-05	5 pieces 3 g each
LT C2	255-022-05	5 pieces 3 g each
LT C3	255-023-05	5 pieces 3 g each
LT D3	255-033-05	5 pieces 3 g each

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ceraMotion® LiSi Ingots LT

ø 13 mm

Low Translucency

- high-strength lithium disilicate ceramic
- for reproduction of the Vita 3D-Master®** shades
- press ingots for pressing inlays, onlays, veneers, crown and three unit bridges in anterior and bicuspid area



Shade code	Vita 3D-Master®**	REF	Quantity
LT 02	0M2	255-102-05	5 pieces 3 g each
LT 11	1M1	255-111-05	5 pieces 3 g each
LT 12	1M2	255-112-05	5 pieces 3 g each
LT 21	2M1	255-121-05	5 pieces 3 g each
LT 22	2M2	255-122-05	5 pieces 3 g each
LT 23	2M3	255-123-05	5 pieces 3 g each
LT 31	3M1	255-131-05	5 pieces 3 g each
LT 32	3M2	255-132-05	5 pieces 3 g each
LT 33	3M3	255-133-05	5 pieces 3 g each
LT 41	4M1	255-141-05	5 pieces 3 g each
LT 42	4M2	255-142-05	5 pieces 3 g each

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* Vita 3D-Master® is a registered trademark of Vita Zahnfabrik H. Rauter GmbH & Co.KG, 79704 Bad Säckingen, Germany.



Press ceramics

ceraMotion® – Press ceramic accessories



Press plunger

ø 12 mm

Reusable aluminium oxide press plunger.
Not suitable for lithium disilicate ingots.

REF 260-365-01

1 piece



Disposable press plunger

ø 12 mm

Disposable investment press plunger for single use.
No time-consuming cleaning of the press plunger.
Not suitable for lithium disilicate ingots.

REF 260-365-05

20 pieces



Disposable press plunger

ø 13 mm

Single-use investment press plunger for tension-free press results. No time-consuming cleaning of the press plunger. Used with lithium disilicate ceramic (e.g. ceraMotion® LiSi).

REF 260-365-13

20 pieces

ceraMotion®



Veneering ceramics and accessories.

The ceraMotion® concept unite the highest demands on aesthetics with the most modern materials technology within a logical system. The resulting products are developed and produced in our own company. The result is a well-structured ceramic product line with veneering and press ceramics.

ceraMotion®_{Zr}

Veneering ceramic for zirconium oxide and lithium disilicate frameworks

ceraMotion®_{Me}

Veneering ceramic for metal frameworks (CTE $13.9 \cdot 10^{-6} \text{ K}^{-1}$ - $15.1 \cdot 10^{-6} \text{ K}^{-1}$ at 25 °C - 500 °C / 77 °F - 932 °F)

ceraMotion®_{Ti}

Veneering ceramic for titanium and titanium alloys

ceraMotion®_{Lf}

Low-fusing veneering ceramic for alloys with a high CTE value ($15.9 \cdot 10^{-6} \text{ K}^{-1}$ - $17.0 \cdot 10^{-6} \text{ K}^{-1}$ at 25 °C - 500 °C / 77 °F - 932 °F)

ceraMotion® Value Concept.

Along with shape and color, the brightness of a tooth plays an important role. Bearing this in mind, a crown can become the tooth.

ceraMotion® Chroma Concept.

Special dentin masses make it possible to extend the range of shades. There is almost no end to the spectrum of red, yellow and white shades.

ceraMotion® Touch Up.

The special ceramic masses ceraMotion® Touch Up complement the basic portfolio of the ceramic system. The lower firing temperature creates new application possibilities.



Veneering ceramics

ceramotion[®]_{Zr} – Zirconium oxide ceramic



8 Shade Set

Set for veneering zirconium oxide and lithium disilicate.
Contains the 8 most important A-D shades, Base Dentins,
Dentins, Incisal and effect materials.

REF 250-800-25	1 set
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CE 0483

Contents:

Designation	REF	Quantity
Base Dentin BD A1	250-021-20	20 g
Base Dentin BD A2	250-022-20	20 g
Base Dentin BD A3	250-023-20	20 g
Base Dentin BD A3,5	250-024-20	20 g
Base Dentin BD B2	250-027-20	20 g
Base Dentin BD B3	250-028-20	20 g
Base Dentin BD C3	250-032-20	20 g
Base Dentin BD D3	250-035-20	20 g
Dentin D A1	250-041-20	20 g
Dentin D A2	250-042-20	20 g
Dentin D A3	250-043-20	20 g
Dentin D A3,5	250-044-20	20 g
Dentin D B2	250-047-20	20 g
Dentin D B3	250-048-20	20 g
Dentin D C3	250-052-20	20 g
Dentin D D3	250-055-20	20 g
Incisal I 1	250-060-20	20 g

Designation	REF	Quantity
Incisal I 2	250-061-20	20 g
Incisal Opal IO 1	250-065-20	20 g
Incisal Opal IO 2	250-066-20	20 g
Incisal Transpa IT 1	250-070-20	20 g
Incisal Transpa IT 2	250-071-20	20 g
Transpa T transpa	250-075-20	20 g
Correction C transpa	250-095-03	3 g
Dentin Modifier Chroma DM C orange	250-114-20	20 g
Dentin Modifier Fluo DM F yellow	250-116-20	20 g
Incisal Modifier IM opal honey	250-121-20	20 g
Incisal Modifier IM opal white	250-122-20	20 g
Incisal Modifier IM opal blue	250-123-20	20 g
Glaze GL transpa	250-270-02	2 g
Modelling Liquid	254-000-10	100 ml
Stains Liquid	254-010-02	20 ml
Shade Disc Incisal	254-100-00	1 piece



3 Shade Set

Set for veneering zirconium oxide and lithium disilicate.
Contains the 3 most important A-B shades, Base Dentins,
Dentins, Incisal and effect materials.

REF 250-900-25	1 set
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CE 0483

Contents:

Designation	REF	Quantity
Base Dentin BD A2	250-022-20	20 g
Base Dentin BD A3	250-023-20	20 g
Base Dentin BD B2	250-027-20	20 g
Dentin D A2	250-042-20	20 g
Dentin D A3	250-043-20	20 g
Dentin D B2	250-047-20	20 g
Incisal I 1	250-060-20	20 g

Designation	REF	Quantity
Incisal I 2	250-061-20	20 g
Incisal Transpa IT 1	250-070-20	20 g
Incisal Transpa IT 2	250-071-20	20 g
Transpa T transpa	250-075-20	20 g
Glaze GL transpa	250-270-02	2 g
Modelling Liquid	254-000-02	20 ml
Stains Liquid	254-010-02	20 ml



Veneering ceramics

ceraMotion[®]_{Zr} – Zirconium oxide ceramic



Value Concept Set

Set for veneering zirconium oxide and lithium disilicate.
Contains 13 modifiers for the cervical, dentinal and incisal areas.

- Brightness can be determined without changing the color
- Special incisal masses for color stability, especially where space is limited

REF 250-800-60	1 set
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CE 0483

Contents:

Designation	REF	Quantity
Incisal Value IV 1	250-280-20	20 g
Incisal Value IV 2	250-281-20	20 g
Incisal Value IV 3	250-282-20	20 g
Value Modifier Bright Dentin opal VM B dentin opal	250-287-20	20 g
Value Modifier Bright Incisal opal VM B incisal opal	250-284-20	20 g
Incisal Modifier Value IM V opal pure	250-283-20	20 g
Incisal Modifier Value IM V opal pink	250-285-20	20 g

Designation	REF	Quantity
Incisal Modifier Value IM V opal violet	250-286-20	20 g
Incisal Modifier IM opal grey	250-125-20	20 g
Transpa Value TV transpa	250-291-20	20 g
Transpa Modifier Value TM V orange	250-288-20	20 g
Transpa Modifier Value TM V lemon	250-289-20	20 g
Transpa Modifier Value TM V salmon	250-290-20	20 g
Shade Disc Value Concept	254-106-00	1 piece



Chroma Concept Set

Set for extending the color space of standard and bleach materials.

The set produces all the hues of the shade guide of other suppliers (e.g. Vita 3D-Master®* or Ivoclar-Chromascop®**).

Contains 17 ceramic materials including Dentins and bleach modules.

REF 250-800-55	1 set
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CE 0483

Contents:

Designation	REF	Quantity
Chroma Concept Dentin CC D 1, bleach	250-231-20	20 g
Chroma Concept Dentin CC D 2, bleach	250-232-20	20 g
Chroma Concept Dentin CC D 3	250-233-20	20 g
Chroma Concept Dentin CC D 4	250-234-20	20 g
Chroma Concept Dentin CC D 5	250-235-20	20 g
Chroma Concept Dentin CC D 6	250-236-20	20 g
Chroma Concept Dentin CC D 7	250-237-20	20 g

Designation	REF	Quantity
Chroma Concept Dentin CC D 8	250-238-20	20 g
Chroma Concept Dentin CC D 9	250-239-20	20 g
Chroma Concept Dentin CC D 10	250-240-20	20 g
Chroma Concept Dentin CC D 11	250-241-20	20 g
Chroma Concept Dentin CC D 12	250-242-20	20 g
Chroma Concept Incisal CC I 1, bleach	250-245-20	20 g
Shade Disc Chroma Concept / Bleach	254-102-00	1 piece

* Vita 3D-Master® is a registered trademark of Vita Zahnfabrik H. Rauter GmbH & Co.KG, 79704 Bad Säckingen, Germany.

** Ivoclar-Chromascop® is a registered trademark of Ivoclar Vivadent GmbH.

Veneering ceramics

ceraMotion[®] Zr – Zirconium oxide ceramic



Touch Up Set

Set for facilitating finishing or corrections due to lower firing temperatures.

Contains 9 ceramic materials including Base Dentins, Dentins and Incisal materials.

REF 250-800-50	1 set
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CE 0483

Contents:

Designation	REF	Quantity
Touch Up Base Dentin TU BD light	250-251-20	20 g
Touch Up Base Dentin TU BD medium	250-252-20	20 g
Touch Up Base Dentin TU BD dark	250-253-20	20 g
Touch Up Dentin TU D light	250-255-20	20 g
Touch Up Dentin TU D medium	250-256-20	20 g

Designation	REF	Quantity
Touch Up Dentin TU D dark	250-257-20	20 g
Touch Up Incisal TU I medium	250-260-20	20 g
Touch Up Incisal TU I opal	250-261-20	20 g
Touch Up Incisal TU I transpa	250-262-20	20 g
Shade Disc Touch Up	254-103-00	1 piece



Stains Universal Set

Set containing 16 stains (3 opaque shades and 13 characterization shades) for internal and external effects.

REF 254-800-30	1 set
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CE 0483

Contents:

Designation	REF	Quantity
Body Stains B ST A	254-220-02	2 g
Body Stains B ST B	254-221-02	2 g
Body Stains B ST C	254-222-02	2 g
Stains ST white	254-201-02	2 g
Stains ST vanilla	254-202-02	2 g
Stains ST yellow	254-203-02	2 g
Stains ST orange	254-204-02	2 g
Stains ST pink	254-205-02	2 g
Stains ST purple	254-206-02	2 g

Designation	REF	Quantity
Stains ST blue	254-207-02	2 g
Stains ST grey	254-208-02	2 g
Stains ST olive green	254-209-02	2 g
Stains ST olive yellow	254-210-02	2 g
Stains ST medium brown	254-211-02	2 g
Stains ST red brown	254-212-02	2 g
Stains ST black	254-213-02	2 g
Stains Liquid	254-010-02	20 ml
Shade Disc Stains	254-105-00	1 piece



Veneering ceramics

ceraMotion[®] Zr – Zirconium oxide ceramic



Liner L

For use on white ZrO₂ as color base.

- for shade optimization with colored ZrO₂
- produces natural fluorescence in the veneer

Liquid: Powder BOL Liquid

Shade code	REF (20 g)	REF (40 g)
L 1	250-001-20	250-001-40
L 2	250-002-20	250-002-40
L 3	250-003-20	250-003-40
L 4	250-004-20	250-004-40
L 5	250-005-20	250-005-40
L 6	250-006-20	250-006-40

CE⁰⁴⁸³

Mixing recommendations						
Tooth shade	L1	L2	L3	L4	L5	L6
A1	1/3				2/3	
A2	2/3				1/3	
A3	1					
A3,5	3/4					1/4
A4	1/2					1/2
B1		1/3			2/3	
B2		2/3			1/3	
B3		3/4			1/4	
B4		1				
C1			1/3		2/3	
C2			2/3		1/3	
C3			3/4		1/4	
C4			1			
D2				2/3	1/3	
D3				3/4	1/4	
D4		1/3		2/3		



Liner Modifier LM

- customized accentuation of the Liner

Liquid: Powder BOL Liquid

Shade code	REF	Quantity
LM gingival	250-018-20	20 g
LM orange	250-019-20	20 g

CE⁰⁴⁸³

Base Dentin BD

- has a higher opacity than Dentin
- diffusing effect
- three-dimensional depth effect (after finishing)
- support of the actual tooth shade (even if there is unfavorable space availability)
- increases reflection from deep in the ceramic

Liquid: Modelling Liquid, Modelling Liquid +



Shade code	REF (20 g)	REF (40 g)
BD A1	250-021-20	250-021-40
BD A2	250-022-20	250-022-40
BD A3	250-023-20	250-023-40
BD A3,5	250-024-20	250-024-40
BD A4	250-025-20	250-025-40
BD B1	250-026-20	250-026-40
BD B2	250-027-20	250-027-40
BD B3	250-028-20	250-028-40
BD B4	250-029-20	250-029-40
BD C1	250-030-20	250-030-40
BD C2	250-031-20	250-031-40
BD C3	250-032-20	250-032-40
BD C4	250-033-20	250-033-40
BD D2	250-034-20	250-034-40
BD D3	250-035-20	250-035-40
BD D4	250-036-20	250-036-40

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Base Dentin Modifier BDM

Effect material with increased opacity

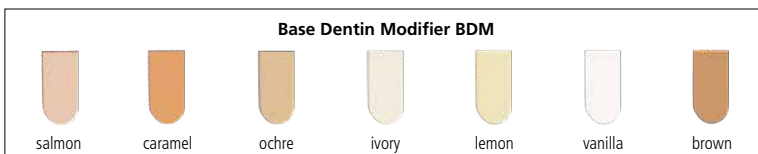
- produces depth of shade
- controls the brightness value
- reproduction of natural effects in the dental, proximal and mamelon regions

Liquid: Modelling Liquid, Modelling Liquid +

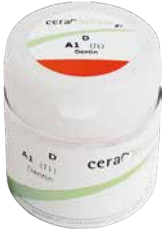


Color	REF	Quantity
salmon	250-101-20	20 g
caramel	250-102-20	20 g
ochre	250-103-20	20 g
ivory	250-104-20	20 g
lemon	250-105-20	20 g
vanilla	250-106-20	20 g
brown	250-107-20	20 g

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ceraMotion[®]_{Zr} – Zirconium oxide ceramic



Dentin D

Standard Dentin

- produces the primary shade effect
- natural fluorescence
- prism effects

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF (20 g)	REF (40 g)
D A1	250-041-20	250-041-40
D A2	250-042-20	250-042-40
D A3	250-043-20	250-043-40
D A3,5	250-044-20	250-044-40
D A4	250-045-20	250-045-40
D B1	250-046-20	250-046-40
D B2	250-047-20	250-047-40
D B3	250-048-20	250-048-40
D B4	250-049-20	250-049-40
D C1	250-050-20	250-050-40
D C2	250-051-20	250-051-40
D C3	250-052-20	250-052-40
D C4	250-053-20	250-053-40
D D2	250-054-20	250-054-40
D D3	250-055-20	250-055-40
D D4	250-056-20	250-056-40

CE⁰⁴⁸³

Incisal allocation table			
Dentin shade	Incisal Standard	Incisal Opal	Incisal Transpa
A1, A2, B1	I 1	IO 1	IT 1
A3, A3,5, B2, B3, B4, C1, C2, C3, D2, D3, D4	I 2	IO 2	IT 2
A4, C4	I 3	IO 3	IT 3

Dentin Modifier Chroma DM C

- controls the intensity of the respective hue
 - increases the depth of shade, even with a reduced layer thickness
- Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
DM C A	250-111-20	20 g
DM C B	250-112-20	20 g
DM C C	250-113-20	20 g
DM C orange	250-114-20	20 g

CE 0483



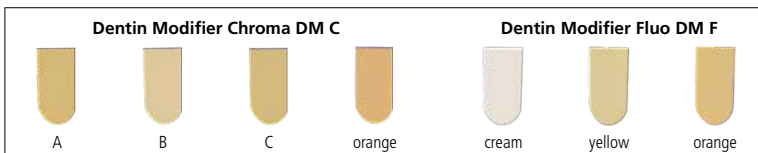
Dentin Modifier Fluo DM F

Dentin effect material with increased fluorescence

- controls the brightness value
- Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
DM F cream	250-115-20	20 g
DM F yellow	250-116-20	20 g
DM F orange	250-117-20	20 g

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Veneering ceramics

ceraMotion[®]_{Zr} – Zirconium oxide ceramic



Incisal I

Standard incisal material

- application in the incisal region

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF (20 g)	REF (40 g)
I 1	250-060-20	250-060-40
I 2	250-061-20	250-061-40
I 3	250-062-20	250-062-40

CE 0483



Incisal Opal IO

- for alternate layering incisally
- opalescent: bluish effect in reflected light
- orange-colored effect in light transmitted through the ceramic
- enhances the natural light refraction
- application in the incisal region

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF (20 g)	REF (40 g)
IO 1	250-065-20	250-065-40
IO 2	250-066-20	250-066-40
IO 3	250-067-20	250-067-40

CE 0483



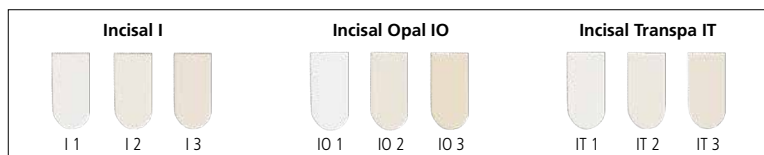
Incisal Transpa IT

- increased transparency in the materials
- application in the incisal region

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF (20 g)	REF (40 g)
IT 1	250-070-20	250-070-40
IT 2	250-071-20	250-071-40
IT 3	250-072-20	250-072-40

CE 0483



Transpa T

- highly transparent material
 - application in the incisal region, as required
- Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF (20 g)	REF (40 g)
T transpa	250-075-20	250-075-40

CE 0483

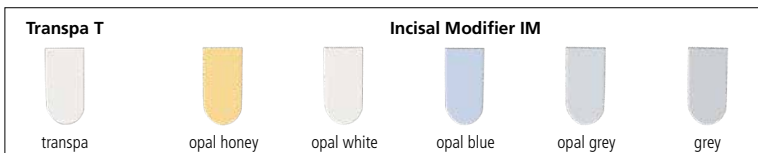


Incisal Modifier IM

- enhances the natural light refraction
 - for alternate layering incisally
 - application in the incisal region
- Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
IM opal honey	250-121-20	20 g
IM opal white	250-122-20	20 g
IM opal blue	250-123-20	20 g
IM grey	250-124-20	20 g
IM opal grey	250-125-20	20 g

CE 0483



Veneering ceramics

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Shoulder SM

Shoulder material

With the shoulder material white it is possible to individually mix all shade nuances from A1 to D4 by following the information in the mixing table.

By adding the shoulder material transparent, the translucency is increased in the shoulder.

Liquid: Shoulder Liquid

Shade code	REF	Quantity
SM A	250-081-20	20 g
SM B	250-082-20	20 g
SM C	250-083-20	20 g
SM D	250-084-20	20 g
SM white	250-085-20	20 g
SM transpa	250-086-20	20 g

CE⁰⁴⁸³



Gingival G

- build-up and reconstruction of gingiva and papillae
- compensation of mucosal defects

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
G 1	250-090-20	20 g
G 2	250-091-20	20 g
G 3	250-092-20	20 g
G 4	250-093-20	20 g

CE⁰⁴⁸³



Incisal Value IV

Modifiers with higher opacity.

- opaque incisal modifiers where space is limited

Liquid: Modelling Liquid

Shade code	REF	Quantity
IV 1	250-280-20	20 g
IV 2	250-281-20	20 g
IV 3	250-282-20	20 g

CE⁰⁴⁸³



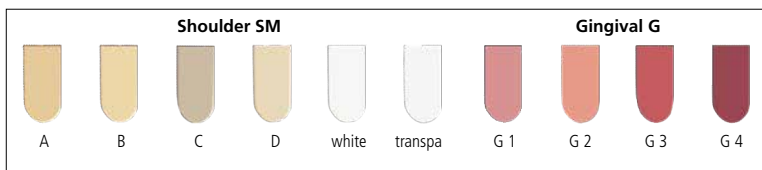
Value Modifier Bright Incisal opal VM B

- to determine / increase brightness in the incisal area

Liquid: Modelling Liquid

Shade code	REF	Quantity
VM B incisal opal	250-284-20	20 g

CE⁰⁴⁸³



Value Modifier Bright Dentin opal VM B

- to determine the brightness of the dentine body without changing the color

Liquid: Modelling Liquid

Shade code	REF	Quantity
VM B dentin opal	250-287-20	20 g

CE 0483



Incisal Modifier Value IM V

- colored opalescent shade modifier to optimize the in-depth effect
- to determine the intensity of incisal regions

Liquid: Modelling Liquid

Shade code	REF	Quantity
IM V opal pure*	250-283-20	20 g
IM V opal pink	250-285-20	20 g
IM V opal violet	250-286-20	20 g

CE 0483

* pure opalescent modifier



Transpa Modifier Value TM V

- natural light optical effects in the cervical and incisal area

Liquid: Modelling Liquid

Shade code	REF	Quantity
TM V orange	250-288-20	20 g
TM V lemon	250-289-20	20 g
TM V salmon	250-290-20	20 g

CE 0483



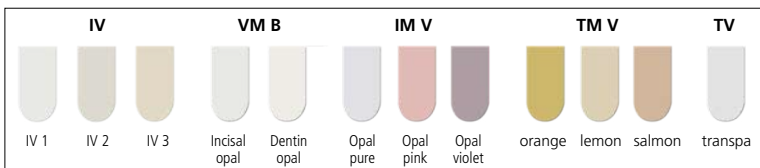
Transpa Value TV

- transparent modifier, slightly opaque

Liquid: Modelling Liquid

Shade code	REF	Quantity
TV transpa	250-291-20	20 g

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Veneering ceramics

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Chroma Concept Liner CC L

- increases the reflection from deep in the ceramic
- Liquid: Powder BOL Liquid

Shade code	REF	Quantity
CC L 1, bleach	250-221-20	20 g
CC L 2	250-222-20	20 g
CC L 3	250-223-20	20 g
CC L 4	250-224-20	20 g

CE⁰⁴⁸³



Chroma Concept Dentin CC D

- pure or mixed, for extending the color space
 - same opaque characteristics as dentin
 - white and light dentin bleach materials
 - produces all the hues of the shade guide of other suppliers (e.g. Vita 3D-Master[®]* or Ivoclar-Chromascop[®]**)
- Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
CC D 1, bleach	250-231-20	20 g
CC D 2, bleach	250-232-20	20 g
CC D 3	250-233-20	20 g
CC D 4	250-234-20	20 g
CC D 5	250-235-20	20 g
CC D 6	250-236-20	20 g
CC D 7	250-237-20	20 g
CC D 8	250-238-20	20 g
CC D 9	250-239-20	20 g
CC D 10	250-240-20	20 g
CC D 11	250-241-20	20 g
CC D 12	250-242-20	20 g

CE⁰⁴⁸³

* Vita 3D-Master[®] is a registered trademark of Vita Zahnfabrik H. Rauter GmbH & Co.KG, 79704 Bad Säckingen, Germany.
** Ivoclar-Chromascop[®] is a registered trademark of Ivoclar Vivadent GmbH.

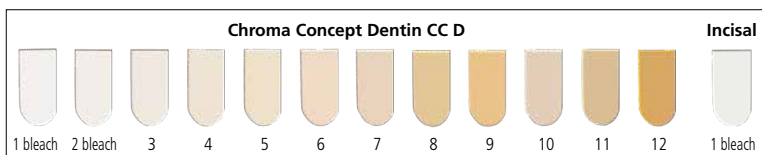


Chroma Concept Incisal CC I

- Light incisal bleach material
- Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
CC I 1, bleach	250-245-20	20 g

CE⁰⁴⁸³



Touch Up Base Dentin TU BD

Low-fusing material for correction and glaze firing in one.

- greater reliability due to highly condensed fitting surfaces

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
TU BD light	250-251-20	20 g
TU BD medium	250-252-20	20 g
TU BD dark	250-253-20	20 g

CE 0483



Touch Up Dentin TU D

Low-fusing material for correction and glaze firing in one.

- highly condensed marginal ridges enhance the aesthetics

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
TU D light	250-255-20	20 g
TU D medium	250-256-20	20 g
TU D dark	250-257-20	20 g

CE 0483



Touch Up Incisal TU I

Low-fusing material for correction and glaze firing in one.

- highly condensed marginal ridges enhance the aesthetics

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
TU I medium	250-260-20	20 g
TU I opal	250-261-20	20 g
TU I transpa	250-262-20	20 g

CE 0483



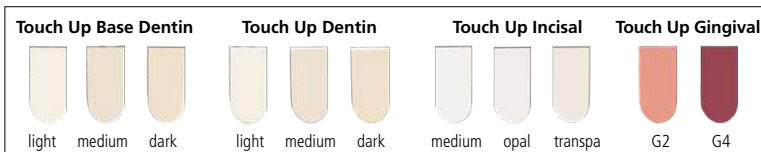
Touch Up Gingival TU G

- for corrections or additions in the gingival area

Liquid: Modelling Liquid

Shade code	REF	Quantity
TU G2	250-263-20	20 g
TU G4	250-264-20	20 g

CE 0483



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Correction C

Low-fusing material, pure or for mixing with corresponding dentin and incisal masses, used for minor corrections.

Firing temperature: 715 °C / 1319 °F

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
C transpa	250-095-03	3 g

CE⁰⁴⁸³



Glaze GL

Glaze material, pure or for mixing with Stains and Body Stains.

Liquid: Stains Liquid

Shade code	REF	Quantity
GL transpa	250-270-02	2 g

CE⁰⁴⁸³



Paste Glaze PGL transpa

Glaze material in paste form.

Particularly suitable for monolithic restorations made of zirconium oxide and lithium disilicate.

- fluorescent
- can be applied precisely

Shade code	REF	Quantity
PGL transpa	250-271-03	3 g

CE⁰⁴⁸³

Body Stains B ST

Stains for internal and external application

- for mixing with the glaze material
- individual color accentuation
- produces a particularly deep shade
- can be mixed up to 10 % in ceramic materials

Liquid: Stains Liquid



Shade code	REF	Quantity
B ST A	254-220-02	2 g
B ST B	254-221-02	2 g
B ST C	254-222-02	2 g



CE 0483

Stains ST

Stains for internal and external application

- for mixing with the glaze material
- individual color accentuation
- produces a particularly deep shade
- can be mixed up to 10 % in ceramic materials

Liquid: Stains Liquid



Shade code	REF	Quantity
ST 1 white	254-201-02	2 g
ST 2 vanilla	254-202-02	2 g
ST 3 yellow	254-203-02	2 g
ST 4 orange	254-204-02	2 g
ST 5 pink	254-205-02	2 g
ST 6 purple	254-206-02	2 g
ST 7 blue	254-207-02	2 g
ST 8 grey	254-208-02	2 g
ST 9 olive green	254-209-02	2 g
ST 10 olive yellow	254-210-02	2 g
ST 11 medium brown	254-211-02	2 g
ST 12 red brown	254-212-02	2 g
ST 13 black	254-213-02	2 g



CE 0483

Veneering ceramics

ceraMotion[®]_{Zr} – Zirconium oxide ceramic



Modelling Liquid

Standard liquid for mixing the ceramic materials.

REF 254-000-02	20 ml
REF 254-000-10	100 ml
REF 254-000-50	500 ml



Modelling Liquid +

Modelling liquid with slightly increased viscosity.

REF 254-002-02	20 ml
REF 254-002-10	100 ml
REF 254-002-50	500 ml



Modelling Liquid MV universal

- to increase plasticity
- to extend modeling properties

REF 299-150-40	20 ml
REF 299-150-80	100 ml



Powder BOL Liquid

For mixing the powder bonder, opaque powder, powder liner.

REF 254-008-02	20 ml
REF 254-008-10	100 ml



Shoulder Liquid

For mixing the shoulder materials.

- increases the positional stability

REF 254-004-02	20 ml
REF 254-004-10	100 ml



Stains Liquid

For mixing the stains and the glaze/glaze material.

REF 254-010-02	20 ml
REF 254-010-10	100 ml

Contrast Marker

For coloring mixed ceramic materials.

- for a better contrast when building up
- burns out without residue
- the same viscosity as the modelling liquid



Color	REF	Quantity
vanilla	254-300-02	20 ml
orange	254-301-02	20 ml
red	254-302-02	20 ml
blue	254-303-02	20 ml
green	254-304-02	20 ml



Veneering ceramics

ceraMotion[®] Me – Metal ceramic



8 Shade Set (Paste Opaque)

Set for veneering alloys in the conventional CTE range of 13.9 · 10⁻⁶ K⁻¹ - 15.1 · 10⁻⁶ K⁻¹ at 25 °C - 500 °C / 77 °F - 932 °F.

Contains the 8 most important A–D shades, Paste Opaque, Base Dentins, Dentins, Incisal and effect materials.

REF 252-800-10	1 set
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Contents:

Designation	REF	Quantity
Paste Opaque PO A1	252-501-03	3 g
Paste Opaque PO A2	252-502-03	3 g
Paste Opaque PO A3	252-503-03	3 g
Paste Opaque PO A3,5	252-504-03	3 g
Paste Opaque PO B2	252-507-03	3 g
Paste Opaque PO B3	252-508-03	3 g
Paste Opaque PO C3	252-512-03	3 g
Paste Opaque PO D3	252-515-03	3 g
Base Dentin BD A1	252-021-20	20 g
Base Dentin BD A2	252-022-20	20 g
Base Dentin BD A3	252-023-20	20 g
Base Dentin BD A3,5	252-024-20	20 g
Base Dentin BD B2	252-027-20	20 g
Base Dentin BD B3	252-028-20	20 g
Base Dentin BD C3	252-032-20	20 g
Base Dentin BD D3	252-035-20	20 g
Dentin D A1	252-041-20	20 g
Dentin D A2	252-042-20	20 g
Dentin D A3	252-043-20	20 g
Dentin D A3,5	252-044-20	20 g
Dentin D B2	252-047-20	20 g

Designation	REF	Quantity
Dentin D B3	252-048-20	20 g
Dentin D C3	252-052-20	20 g
Dentin D D3	252-055-20	20 g
Incisal I 1	252-060-20	20 g
Incisal I 2	252-061-20	20 g
Incisal Opal IO 1	252-065-20	20 g
Incisal Opal IO 2	252-066-20	20 g
Incisal Transpa IT 1	252-070-20	20 g
Incisal Transpa IT 2	252-071-20	20 g
Transpa T transpa	252-075-20	20 g
Dentin Modifier Chroma DM C orange	252-114-20	20 g
Dentin Modifier Fluo DM F yellow	252-116-20	20 g
Incisal Modifier IM opal honey	252-121-20	20 g
Incisal Modifier IM opal white	252-122-20	20 g
Incisal Modifier IM opal blue	252-123-20	20 g
Glaze GL transpa	252-270-02	2 g
Correction C transpa	252-095-03	3 g
Me Standard Modelling Liquid	254-001-10	100 ml
Paste Liquid	254-006-02	20 ml
Stains Liquid	254-010-02	20 ml
Shade Disc Incisal	254-100-00	1 piece



3 Shade Set (Paste Opaque)

Set for veneering alloys in the conventional CTE range of $13.9 \cdot 10^{-6} \text{ K}^{-1}$ - $15.1 \cdot 10^{-6} \text{ K}^{-1}$ at $25 \text{ }^{\circ}\text{C}$ - $500 \text{ }^{\circ}\text{C}$ / $77 \text{ }^{\circ}\text{F}$ - $932 \text{ }^{\circ}\text{F}$.
Contains the 3 most important A-B shades, Paste Opaque, Base Dentins, Dentins, Incisal and effect materials.

REF 252-900-15	1 set
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Contents:

Designation	REF	Quantity
Base Dentin BD A2	252-022-20	20 g
Base Dentin BD A3	252-023-20	20 g
Base Dentin BD B2	252-027-20	20 g
Dentin D A2	252-042-20	20 g
Dentin D A3	252-043-20	20 g
Dentin D B2	252-047-20	20 g
Incisal I 1	252-060-20	20 g
Incisal I 2	252-061-20	20 g
Incisal Transpa IT 1	252-070-20	20 g

Designation	REF	Quantity
Incisal Transpa IT 2	252-071-20	20 g
Transpa T transpa	252-075-20	20 g
Glaze GL transpa	252-270-02	2 g
Paste Opaque PO A2	252-502-03	3 g
Paste Opaque PO A3	252-503-03	3 g
Paste Opaque PO B2	252-507-03	3 g
Me Standard Modelling Liquid	254-001-02	20 ml
Paste Liquid	254-006-02	20 ml
Stains Liquid	254-010-02	20 ml



Veneering ceramics

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8 Shade Set (Powder Opaque)

Set for veneering alloys in the conventional CTE range of 13.9 · 10⁻⁶ K⁻¹ - 15.1 · 10⁻⁶ K⁻¹ at 25 °C - 500 °C / 77 °F - 932 °F.

Contains the 8 most important A–D shades, opaque powders, Base Dentins, Dentins, Incisal and effect materials.

REF 252-800-15	1 set
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Contents:

Designation	REF	Quantity
Opaque O A1	252-001-20	20 g
Opaque O A2	252-002-20	20 g
Opaque O A3	252-003-20	20 g
Opaque O A3,5	252-004-20	20 g
Opaque O B2	252-007-20	20 g
Opaque O B3	252-008-20	20 g
Opaque O C3	252-012-20	20 g
Opaque O D3	252-015-20	20 g
Base Dentin BD A1	252-021-20	20 g
Base Dentin BD A2	252-022-20	20 g
Base Dentin BD A3	252-023-20	20 g
Base Dentin BD A3,5	252-024-20	20 g
Base Dentin BD B2	252-027-20	20 g
Base Dentin BD B3	252-028-20	20 g
Base Dentin BD C3	252-032-20	20 g
Base Dentin BD D3	252-035-20	20 g
Dentin D A1	252-041-20	20 g
Dentin D A2	252-042-20	20 g
Dentin D A3	252-043-20	20 g
Dentin D A3,5	252-044-20	20 g
Dentin D B2	252-047-20	20 g

Designation	REF	Quantity
Dentin D B3	252-048-20	20 g
Dentin D C3	252-052-20	20 g
Dentin D D3	252-055-20	20 g
Incisal I 1	252-060-20	20 g
Incisal I 2	252-061-20	20 g
Incisal Opal IO 1	252-065-20	20 g
Incisal Opal IO 2	252-066-20	20 g
Incisal Transpa IT 1	252-070-20	20 g
Incisal Transpa IT 2	252-071-20	20 g
Transpa T transpa	252-075-20	20 g
Dentin Modifier Chroma DM C orange	252-114-20	20 g
Dentin Modifier Fluo DM F yellow	252-116-20	20 g
Incisal Modifier IM opal honey	252-121-20	20 g
Incisal Modifier IM opal white	252-122-20	20 g
Incisal Modifier IM opal blue	252-123-20	20 g
Glaze GL transpa	252-270-02	2 g
Correction C transpa	252-095-03	3 g
Me Standard Modelling Liquid	254-001-10	100 ml
Powder BOL Liquid	254-008-10	100 ml
Stains Liquid	254-010-02	20 ml
Shade Disc Incisal	254-100-00	1 piece



Value Concept Set

Set for veneering alloys in the conventional CTE range of $13.9 \cdot 10^{-6} \text{ K}^{-1}$ - $15.1 \cdot 10^{-6} \text{ K}^{-1}$ at $25 \text{ }^{\circ}\text{C}$ - $500 \text{ }^{\circ}\text{C}$ / $77 \text{ }^{\circ}\text{F}$ - $932 \text{ }^{\circ}\text{F}$.
Contains 13 modifiers for the cervical, dentinal and incisal areas.

- brightness can be determined without changing the color
- special incisal masses for color stability, especially where space is limited

REF 252-800-60	1 set
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Contents:

Designation	REF	Quantity
Incisal Value IV 1	252-280-20	20 g
Incisal Value IV 2	252-281-20	20 g
Incisal Value IV 3	252-282-20	20 g
Value Modifier Bright Dentin opal VM B dentin opal	252-287-20	20 g
Value Modifier Bright Incisal opal VM B incisal opal	252-284-20	20 g
Incisal Modifier Value IM V opal pure	252-283-20	20 g
Incisal Modifier Value IM V opal pink	252-285-20	20 g

Designation	REF	Quantity
Incisal Modifier Value IM V opal violet	252-286-20	20 g
Incisal Modifier IM opal grey	252-125-20	20 g
Transpa Value TV transpa	252-291-20	20 g
Transpa Modifier Value TM V orange	252-288-20	20 g
Transpa Modifier Value TM V lemon	252-289-20	20 g
Transpa Modifier Value TM V salmon	252-290-20	20 g
Shade Disc Value Concept	254-106-00	1 piece

Veneering ceramics

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Chroma Concept Set

Set for extending the color space of standard and bleach materials.

The set produces all the hues of the shade guide of other suppliers (e.g. Vita 3D-Master[®]* or Ivoclar-Chromascop[®]**).

Contains 17 ceramic materials including Paste Opaque, Dentins and bleach modules.

REF 252-800-45

1 set

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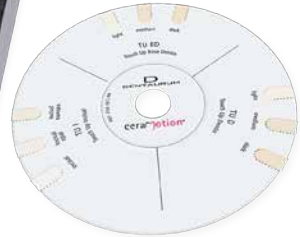
Contents:

Designation	REF	Quantity
Chroma Concept Paste Opaque CC PO 1, bleach	252-541-03	3 g
Chroma Concept Paste Opaque CC PO 2	252-542-03	3 g
Chroma Concept Paste Opaque CC PO 3	252-543-03	3 g
Chroma Concept Paste Opaque CC PO 4	252-544-03	3 g
Chroma Concept Dentin CC D 1, bleach	252-231-20	20 g
Chroma Concept Dentin CC D 2, bleach	252-232-20	20 g
Chroma Concept Dentin CC D 3	252-233-20	20 g
Chroma Concept Dentin CC D 4	252-234-20	20 g
Chroma Concept Dentin CC D 5	252-235-20	20 g

Designation	REF	Quantity
Chroma Concept Dentin CC D 6	252-236-20	20 g
Chroma Concept Dentin CC D 7	252-237-20	20 g
Chroma Concept Dentin CC D 8	252-238-20	20 g
Chroma Concept Dentin CC D 9	252-239-20	20 g
Chroma Concept Dentin CC D 10	252-240-20	20 g
Chroma Concept Dentin CC D 11	252-241-20	20 g
Chroma Concept Dentin CC D 12	252-242-20	20 g
Chroma Concept Incisal CC I 1, bleach	252-245-20	20 g
Shade Disc Chroma Concept / Bleach	254-102-00	1 piece

* Vita 3D-Master[®] is a registered trademark of Vita Zahnfabrik H. Rauter GmbH & Co.KG, 79704 Bad Säckingen, Germany.

** Ivoclar-Chromascop[®] is a registered trademark of Ivoclar Vivadent GmbH.



Touch Up Set

Set for facilitating finishing or corrections due to lower firing temperatures.

Contains 10 ceramic materials including Paste Opaque, Base Dentins, Dentins and Incisal materials.

REF 252-800-50

1 set

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Contents:

Designation	REF	Quantity
Touch Up Paste Opaque TU PO medium	252-250-03	3 g
Touch Up Base Dentin TU BD light	252-251-20	20 g
Touch Up Base Dentin TU BD medium	252-252-20	20 g
Touch Up Base Dentin TU BD dark	252-253-20	20 g
Touch Up Dentin TU D light	252-255-20	20 g
Touch Up Dentin TU D medium	252-256-20	20 g

Designation	REF	Quantity
Touch Up Dentin TU D dark	252-257-20	20 g
Touch Up Incisal TU I medium	252-260-20	20 g
Touch Up Incisal TU I opal	252-261-20	20 g
Touch Up Incisal TU I transpa	252-262-20	20 g
Shade Disc Touch Up	254-103-00	1 piece





Stains Universal Set

Set containing 16 stains (3 opaque shades and 13 characterization shades) for internal and external effects.

REF 254-800-30

1 set

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Contents:

Designation	REF	Quantity
Body Stains B ST A	254-220-02	2 g
Body Stains B ST B	254-221-02	2 g
Body Stains B ST C	254-222-02	2 g
Stains ST white	254-201-02	2 g
Stains ST vanilla	254-202-02	2 g
Stains ST yellow	254-203-02	2 g
Stains ST orange	254-204-02	2 g
Stains ST pink	254-205-02	2 g
Stains ST purple	254-206-02	2 g

Designation	REF	Quantity
Stains ST blue	254-207-02	2 g
Stains ST grey	254-208-02	2 g
Stains ST olive green	254-209-02	2 g
Stains ST olive yellow	254-210-02	2 g
Stains ST medium brown	254-211-02	2 g
Stains ST red brown	254-212-02	2 g
Stains ST black	254-213-02	2 g
Stains Liquid	254-010-02	20 ml
Shade Disc Stains	254-105-00	1 piece

Paste Opaque PO

Opaque paste

- can be universally used with all non-precious and precious metal alloys in the conventional CTE range, as well as for galvano gold and press-on technique
- maximum bonding strength due to TRC bonding (Tension Reduced Connection)
- good, dense coverage of the metal substructure
- easy, uncomplicated application

Liquid: Paste Liquid



Shade code	REF	Quantity
PO A1	252-501-03	3 g
PO A2	252-502-03	3 g
PO A3	252-503-03	3 g
PO A3,5	252-504-03	3 g
PO A4	252-505-03	3 g
PO B1	252-506-03	3 g
PO B2	252-507-03	3 g
PO B3	252-508-03	3 g
PO B4	252-509-03	3 g
PO C1	252-510-03	3 g
PO C2	252-511-03	3 g
PO C3	252-512-03	3 g
PO C4	252-513-03	3 g
PO D2	252-514-03	3 g
PO D3	252-515-03	3 g
PO D4	252-516-03	3 g

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Paste Opaque Modifier POM

- customized accentuation of the opaque paste

Liquid: Paste Liquid

Shade code	REF	Quantity
POM gingival	252-520-03	3 g
POM orange	252-521-03	3 g

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ceraMotion[®] Me primer CAD/CAM

Bonder especially for use with crowns and bridges made of CoCr alloy, manufactured using CAD/CAM.

Shade code	REF	Quantity
PR	252-500-03	3g

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Opaque O

Opaque powder

- minimal layer thickness
- good and dense coverage of the metal substructure
- especially suitable for use with silver-content alloys

Liquid: Powder BOL Liquid

Shade code	REF (20 g)	REF (40 g)
O A1	252-001-20	252-001-40
O A2	252-002-20	252-002-40
O A3	252-003-20	252-003-40
O A3,5	252-004-20	252-004-40
O A4	252-005-20	252-005-40
O B1	252-006-20	252-006-40
O B2	252-007-20	252-007-40
O B3	252-008-20	252-008-40
O B4	252-009-20	252-009-40
O C1	252-010-20	252-010-40
O C2	252-011-20	252-011-40
O C3	252-012-20	252-012-40
O C4	252-013-20	252-013-40
O D2	252-014-20	252-014-40
O D3	252-015-20	252-015-40
O D4	252-016-20	252-016-40

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Opaque Modifier OM

- customized accentuation of the opaque powder

Liquid: Powder BOL Liquid

Shade code	REF	Quantity
OM gingival	252-018-20	20 g
OM orange	252-019-20	20 g

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Base Dentin BD

- has a higher opacity than Dentin
- diffusing effect
- three-dimensional depth effect (after finishing)
- support of the actual tooth shade (even if there is unfavorable space availability)
- increases reflection from deep in the ceramic

Liquid: Me Standard Modelling Liquid, Modelling Liquid, Modelling Liquid +

Shade code	REF (20 g)	REF (40 g)
BD A1	252-021-20	252-021-40
BD A2	252-022-20	252-022-40
BD A3	252-023-20	252-023-40
BD A3,5	252-024-20	252-024-40
BD A4	252-025-20	252-025-40
BD B1	252-026-20	252-026-40
BD B2	252-027-20	252-027-40
BD B3	252-028-20	252-028-40
BD B4	252-029-20	252-029-40
BD C1	252-030-20	252-030-40
BD C2	252-031-20	252-031-40
BD C3	252-032-20	252-032-40
BD C4	252-033-20	252-033-40
BD D2	252-034-20	252-034-40
BD D3	252-035-20	252-035-40
BD D4	252-036-20	252-036-40



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Base Dentin Modifier BDM

Effect material with increased opacity

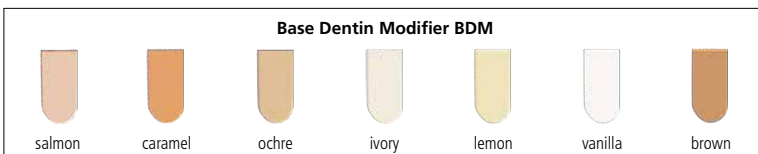
- produces depth of shade
- controls the brightness value
- reproduction of natural effects in the dentin, proximal and mamelon regions

Liquid: Me Standard Modelling Liquid, Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
BDM salmon	252-101-20	20 g
BDM caramel	252-102-20	20 g
BDM ochre	252-103-20	20 g
BDM ivory	252-104-20	20 g
BDM lemon	252-105-20	20 g
BDM vanilla	252-106-20	20 g
BDM brown	252-107-20	20 g



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Dentin D

Standard dentin

- produces the primary shade effect
- natural fluorescence
- prism effects

Liquid: Me Standard Modelling Liquid, Modelling Liquid, Modelling Liquid +

Shade code	REF (20 g)	REF (40 g)
D A1	252-041-20	252-041-40
D A2	252-042-20	252-042-40
D A3	252-043-20	252-043-40
D A3,5	252-044-20	252-044-40
D A4	252-045-20	252-045-40
D B1	252-046-20	252-046-40
D B2	252-047-20	252-047-40
D B3	252-048-20	252-048-40
D B4	252-049-20	252-049-40
D C1	252-050-20	252-050-40
D C2	252-051-20	252-051-40
D C3	252-052-20	252-052-40
D C4	252-053-20	252-053-40
D D2	252-054-20	252-054-40
D D3	252-055-20	252-055-40
D D4	252-056-20	252-056-40

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Incisal allocation table			
Dentin shade	Incisal Standard	Incisal Opal	Incisal Transpa
A1, A2, B1	I 1	IO 1	IT 1
A3, A3,5, B2, B3, B4, C1, C2, C3, D2, D3, D4	I 2	IO 2	IT 2
A4, C4	I 3	IO 3	IT 3

Dentin Modifier Chroma DM C

- controls the intensity of the respective hue
- increases the depth of shade, even with a reduced layer thickness

Liquid: Me Standard Modelling Liquid, Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
DM C A	252-111-20	20 g
DM C B	252-112-20	20 g
DM C C	252-113-20	20 g
DM C orange	252-114-20	20 g

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Dentin Modifier Fluo DM F

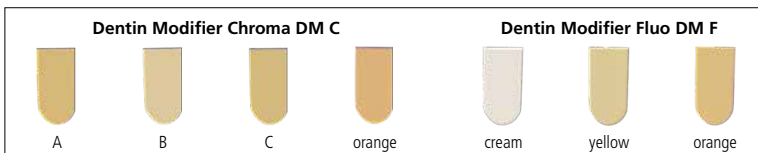
Dentin effect material with increased fluorescence

- controls the brightness value

Liquid: Me Standard Modelling Liquid, Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
DM F cream	252-115-20	20 g
DM F yellow	252-116-20	20 g
DM F orange	252-117-20	20 g

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Incisal I

Standard incisal material

- application in the incisal region

Liquid: Me Standard Modelling Liquid, Modelling Liquid, Modelling Liquid +

Shade code	REF (20 g)	REF (40 g)
I 1	252-060-20	252-060-40
I 2	252-061-20	252-061-40
I 3	252-062-20	252-062-40

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Incisal Opal IO

- for alternate layering incisally
- opalescent: bluish effect in reflected light
- orange-colored effect in light transmitted through the ceramic
- enhances the natural light refraction
- application in the incisal region

Liquid: Me Standard Modelling Liquid, Modelling Liquid, Modelling Liquid +

Shade code	REF (20 g)	REF (40 g)
IO 1	252-065-20	252-065-40
IO 2	252-066-20	252-066-40
IO 3	252-067-20	252-067-40

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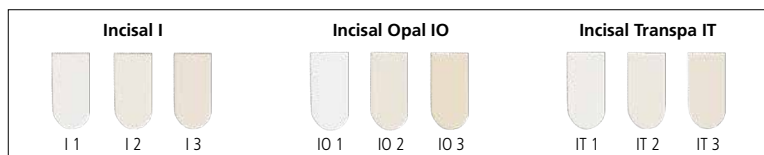
Incisal Transpa IT

- increased transparency in the materials
- application in the incisal region

Liquid: Me Standard Modelling Liquid, Modelling Liquid, Modelling Liquid +

Shade code	REF (20 g)	REF (40 g)
IT 1	252-070-20	252-070-40
IT 2	252-071-20	252-071-40
IT 3	252-072-20	252-072-40

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Transpa T

- transparent material
- application in the incisal region, as required

Liquid: Me Standard Modelling Liquid, Modelling Liquid, Modelling Liquid +

Shade code	REF (20 g)	REF (40 g)
T transpa	252-075-20	252-075-40

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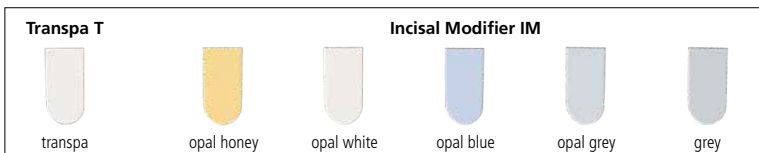
Incisal Modifier IM

- enhances the natural light refraction
- for alternate layering incisally
- application in the incisal region

Liquid: Me Standard Modelling Liquid, Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
IM opal honey	252-121-20	20 g
IM opal white	252-122-20	20 g
IM opal blue	252-123-20	20 g
IM grey	252-124-20	20 g
IM opal grey	252-125-20	20 g

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Veneering ceramics

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Shoulder SM

Shoulder material

With the shoulder material white it is possible to individually mix all shade nuances from A1 to D4 by following the information in the mixing table.

By adding the shoulder material transparent, the translucence is increased in the shoulder.

Liquid: Shoulder Liquid

Shade code	REF	Quantity
SM A	252-081-20	20 g
SM B	252-082-20	20 g
SM C	252-083-20	20 g
SM D	252-084-20	20 g
SM white	252-085-20	20 g
SM transpa	252-086-20	20 g

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Gingival G

- build-up and reconstruction of gingiva and papillae
- compensation of mucosal defects

Liquid: Me Standard Modelling Liquid, Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
G 1	252-090-20	20 g
G 2	252-091-20	20 g
G 3	252-092-20	20 g
G 4	252-093-20	20 g

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Incisal Value IV

Modifiers with higher opacity.

- opaque incisal modifiers where space is limited

Liquid: Modelling Liquid

Shade code	REF	Quantity
IV 1	252-280-20	20 g
IV 2	252-281-20	20 g
IV 3	252-282-20	20 g

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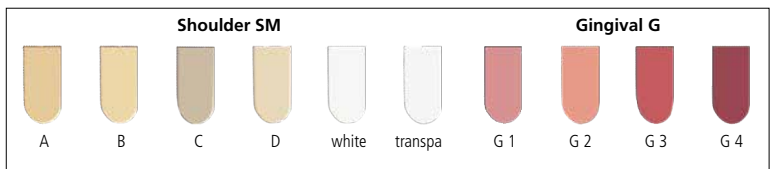
Value Modifier Bright Incisal opal VM B

- to determine / increase brightness in the incisal area

Liquid: Modelling Liquid

Shade code	REF	Quantity
VM B incisal opal	252-284-20	20 g

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Value Modifier Bright Dentin opal VM B

- to determine the brightness of the dentin body without changing the color
- Liquid: Modelling Liquid

Shade code	REF	Quantity
VM B dentin opal	252-287-20	20 g

CE 0483



Incisal Modifier Value IM V

- colored opalescent shade modifier to optimize the in-depth effect
 - to determine the intensity of incisal regions
- Liquid: Modelling Liquid

Shade code	REF	Quantity
IM V opal pure*	252-283-20	20 g
IM V opal pink	252-285-20	20 g
IM V opal violet	252-286-20	20 g

CE 0483

* pure opalescent modifiers



Transpa Modifier Value TM V

- natural light optical effects in the cervical and incisal area
- Liquid: Modelling Liquid

Shade code	REF	Quantity
TM V orange	252-288-20	20 g
TM V lemon	252-289-20	20 g
TM V salmon	252-290-20	20 g

CE 0483

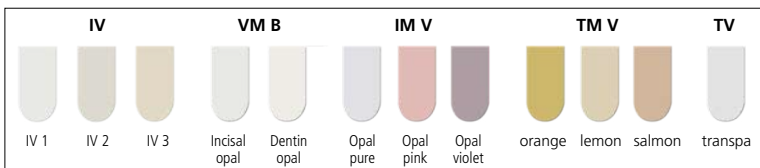


Transpa Value TV

- transparent modifier, slightly opaque
- Liquid: Modelling Liquid

Shade code	REF	Quantity
TV transpa	252-291-20	20 g

CE 0483



ceraMotion^{Me} – Metal ceramic



Chroma Concept Paste Opaque CC PO

Chroma opaque paste

- increases the reflection from deep in the ceramic
- produces all the hues of the shade guide of other suppliers (e.g. Vita 3D-Master** or Ivoclar-Chromascop***), as well as bleach colors

Liquid: Paste Liquid

Shade code	REF	Quantity
CC PO 1, bleach	252-541-03	3 g
CC PO 2	252-542-03	3 g
CC PO 3	252-543-03	3 g
CC PO 4	252-544-03	3 g



* Vita 3D-Master® is a registered trademark of Vita Zahnfabrik H. Rauter GmbH & Co.KG, 79704 Bad Säckingen, Germany.

** Ivoclar-Chromascop® is a registered trademark of Ivoclar Vivadent GmbH.



Chroma Concept Opaque CC O

Chroma opaque powder

- increases the reflection from deep in the ceramic
- produces all the hues of the shade guide of other suppliers (e.g. Vita 3D-Master** or Ivoclar-Chromascop***), as well as bleach colors

Liquid: Powder BOL Liquid

Shade code	REF	Quantity
CC O 1, bleach	252-221-20	20 g
CC O 2	252-222-20	20 g
CC O 3	252-223-20	20 g
CC O 4	252-224-20	20 g



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** Ivoclar-Chromascop® is a registered trademark of Ivoclar Vivadent GmbH.

Chroma Concept Dentin CC D

- pure or mixed for extending the color space
 - same opaque characteristics as dentin
 - produces all the hues of the shade guide of other suppliers (e.g. Vita 3D-Master** or Ivoclar-Chromascop**), as well as bleach colors
- Liquid: Me Standard Modelling Liquid, Modelling Liquid, Modelling Liquid +



Shade code	REF	Quantity
CC D 1, bleach	252-231-20	20 g
CC D 2, bleach	252-232-20	20 g
CC D 3	252-233-20	20 g
CC D 4	252-234-20	20 g
CC D 5	252-235-20	20 g
CC D 6	252-236-20	20 g
CC D 7	252-237-20	20 g
CC D 8	252-238-20	20 g
CC D 9	252-239-20	20 g
CC D 10	252-240-20	20 g
CC D 11	252-241-20	20 g
CC D 12	252-242-20	20 g

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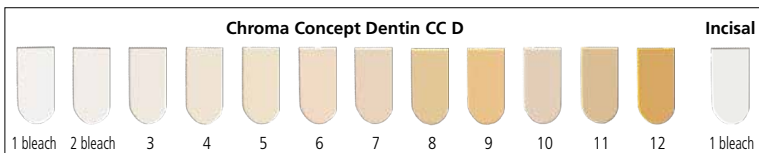
Chroma Concept Incisal CC I

Light incisal bleaching material
 Liquid: Me Standard Modelling Liquid, Modelling Liquid, Modelling Liquid +



Shade code	REF	Quantity
CC I 1, bleach	252-245-20	20 g

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ceraMotion^{Me} – Metal ceramic



Touch Up Paste Opaque TU PO

Low-fusing opaque paste for corrections.

Firing temperature: 860 °C / 1580 °F

Liquid: Paste Liquid

Shade code	REF	Quantity
TU PO medium	252-250-03	3 g

CE 0483



Touch Up Base Dentin TU BD

Low-fusing material for correction and glaze firing in one.

- greater reliability due to highly condensed fitting surfaces

Liquid: Me Standard Modelling Liquid, Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
TU BD light	252-251-20	20 g
TU BD medium	252-252-20	20 g
TU BD dark	252-253-20	20 g

CE 0483



Touch Up Dentin TU D

Low-fusing material for correction and glaze firing in one.

- highly condensed marginal ridges enhance the aesthetics

Liquid: Me Standard Modelling Liquid, Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
TU D light	252-255-20	20 g
TU D medium	252-256-20	20 g
TU D dark	252-257-20	20 g

CE 0483



Touch Up Incisal TU I

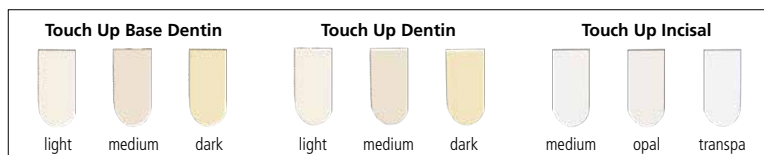
Low-fusing material for correction and glaze firing in one.

- highly condensed marginal ridges enhance the aesthetics

Liquid: Me Standard Modelling Liquid, Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
TU I medium	252-260-20	20 g
TU I opal	252-261-20	20 g
TU I transpa	252-262-20	20 g

CE 0483



Touch Up Gingival TU G

- for corrections or additions in the gingival area

Liquid: Modelling Liquid

Shade code	REF	Quantity
TU G2	252-263-20	20 g
TU G4	252-264-20	20 g

CE 0483



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ceraMotion[®] Me – Metal ceramic



Correction C

Low-fusing material, pure or for mixing with corresponding dentin and incisal masses, used for minor corrections.
Firing temperature: 860 °C / 1580 °F

Liquid: Me Standard Modelling Liquid, Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
C transpa	252-095-03	3 g

CE 0483



Glaze GL

Glaze material, pure or for mixing with Stains and Body Stains.

Liquid: Stains Liquid

Shade code	REF	Quantity
GL transpa	252-270-02	2 g

CE 0483

Body Stains B ST

Stains for internal and external application

- for mixing with the glaze material
- individual color accentuation
- produces a particularly deep shade
- can be mixed up to 10 % in ceramic materials

Liquid: Stains Liquid



Shade code	REF	Quantity
B ST A	254-220-02	2 g
B ST B	254-221-02	2 g
B ST C	254-222-02	2 g



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Stains ST

Stains for internal and external application

- for mixing with the glaze material
- individual color accentuation
- produces a particularly deep shade
- can be mixed up to 10 % in ceramic materials

Liquid: Stains Liquid



Shade code	REF	Quantity
ST 1 white	254-201-02	2 g
ST 2 vanilla	254-202-02	2 g
ST 3 yellow	254-203-02	2 g
ST 4 orange	254-204-02	2 g
ST 5 pink	254-205-02	2 g
ST 6 purple	254-206-02	2 g
ST 7 blue	254-207-02	2 g
ST 8 grey	254-208-02	2 g
ST 9 olive green	254-209-02	2 g
ST 10 olive yellow	254-210-02	2 g
ST 11 medium brown	254-211-02	2 g
ST 12 red brown	254-212-02	2 g
ST 13 black	254-213-02	2 g



CE 0483

Veneering ceramics

ceraMotion[®] Me – Metal ceramic



Me Standard Modelling Liquid

Standard liquid for mixing the ceramic materials of ceraMotion[®] Me.

REF 254-001-02	20 ml
REF 254-001-10	100 ml
REF 254-001-50	500 ml



Modelling Liquid

Standard liquid for mixing the ceramic materials.

REF 254-000-02	20 ml
REF 254-000-10	100 ml
REF 254-000-50	500 ml



Modelling Liquid +

Modelling liquid with slightly increased viscosity.

REF 254-002-02	20 ml
REF 254-002-10	100 ml
REF 254-002-50	500 ml



Modelling Liquid MV universal

- to increase plasticity
- to extend modeling properties

REF 299-150-40	20 ml
REF 299-150-80	100 ml



Paste Liquid

For adjusting the viscosity of the pastes.

REF 254-006-02	20 ml
REF 254-006-10	100 ml



Powder BOL Liquid

For mixing the powder bonder, opaque powder, powder liner.

REF 254-008-02	20 ml
REF 254-008-10	100 ml

Shoulder Liquid

For mixing the shoulder materials.

- increases the positional stability

REF 254-004-02	20 ml
REF 254-004-10	100 ml



Stains Liquid

For mixing the stains and the glaze/glaze material.

REF 254-010-02	20 ml
REF 254-010-10	100 ml



Contrast Marker

For coloring mixed ceramic materials.

- for a better contrast when building up
- burns out without residue
- the same viscosity as the modelling liquid

Color	REF	Quantity
vanilla	254-300-02	20 ml
orange	254-301-02	20 ml
red	254-302-02	20 ml
blue	254-303-02	20 ml
green	254-304-02	20 ml



Veneering ceramics

ceraMotion® – Titanium ceramic



8 Shade Set

Set for veneering titanium frameworks and titanium alloys.
Contains the 8 most important A–D shades, opaque powder,
Base Dentins, Dentins, Incisal and effect materials.

REF 251-800-15

1 set

CE 0483

Contents:

Designation	REF	Quantity
Paste Bonder PB	251-551-03	3 g
Opaque O A1	251-001-20	20 g
Opaque O A2	251-002-20	20 g
Opaque O A3	251-003-20	20 g
Opaque O A3,5	251-004-20	20 g
Opaque O B2	251-007-20	20 g
Opaque O B3	251-008-20	20 g
Opaque O C3	251-012-20	20 g
Opaque O D3	251-015-20	20 g
Base Dentin BD A1	251-021-20	20 g
Base Dentin BD A2	251-022-20	20 g
Base Dentin BD A3	251-023-20	20 g
Base Dentin BD A3,5	251-024-20	20 g
Base Dentin BD B2	251-027-20	20 g
Base Dentin BD B3	251-028-20	20 g
Base Dentin BD C3	251-032-20	20 g
Base Dentin BD D3	251-035-20	20 g
Dentin D A1	251-041-20	20 g
Dentin D A2	251-042-20	20 g
Dentin D A3	251-043-20	20 g
Dentin D A3,5	251-044-20	20 g
Dentin D B2	251-047-20	20 g

Designation	REF	Quantity
Dentin D B3	251-048-20	20 g
Dentin D C3	251-052-20	20 g
Dentin D D3	251-055-20	20 g
Incisal I 1	251-060-20	20 g
Incisal I 2	251-061-20	20 g
Incisal Opal IO 1	251-065-20	20 g
Incisal Opal IO 2	251-066-20	20 g
Incisal Transpa IT 1	251-070-20	20 g
Incisal Transpa IT 2	251-071-20	20 g
Transpa T transpa	251-075-20	20 g
Dentin Modifier Chroma DM C orange	251-114-20	20 g
Dentin Modifier Fluo DM F yellow	251-116-20	20 g
Incisal Modifier IM opal honey	251-121-20	20 g
Incisal Modifier IM opal white	251-122-20	20 g
Incisal Modifier IM opal blue	251-123-20	20 g
Glaze GL transpa	251-270-02	2 g
Correction C transpa	251-095-03	3 g
Modelling Liquid	254-000-10	100 ml
Paste Liquid	254-006-02	20 ml
Powder BOL Liquid	254-008-10	100 ml
Stains Liquid	254-010-02	20 ml
Shade Disc Incisal	254-100-00	1 piece



3 Shade Set

Set for veneering titanium frameworks and titanium alloys.
Contains the 3 most important A–B shades, opaque powder,
Base Dentins, Dentins, Incisal and effect materials.

REF 251-900-15	1 set
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CE 0483

Contents:

Designation	REF	Quantity
Opaque O A2	251-002-20	20 g
Opaque O A3	251-003-20	20 g
Opaque O B2	251-007-20	20 g
Base Dentin BD A2	251-022-20	20 g
Base Dentin BD B2	251-027-20	20 g
Dentin D A2	251-042-20	20 g
Dentin D B2	251-047-20	20 g
Incisal I 1	251-060-20	20 g
Incisal I 2	251-061-20	20 g

Designation	REF	Quantity
Incisal Transpa IT 1	251-070-20	20 g
Incisal Transpa IT 2	251-071-20	20 g
Transpa T transpa	251-075-20	20 g
Glaze GL transpa	251-270-02	2 g
Paste Bonder PB	251-551-03	3 g
Modelling Liquid	254-000-02	20 ml
Paste Liquid	254-006-02	20 ml
Stains Liquid	254-010-02	20 ml



Veneering ceramics

ceraMotion[®] _{Ti} – Titanium ceramic



Chroma Concept Set

Set for extending the color space of standard and bleach materials.

The set produces all the hues of the shade guide of other suppliers (e.g. Vita 3D-Master[®]* or Ivoclar-Chromascop[®]**).

Contains 17 ceramic materials including Opaque, Dentins and bleach modules.

REF 251-800-45

1 set

CE 0483

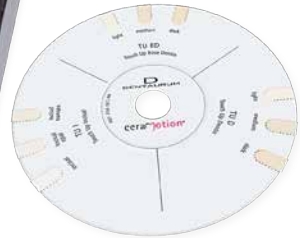
Contents:

Designation	REF	Quantity
Chroma Concept Opaque CC O 1, bleach	251-221-20	20 g
Chroma Concept Opaque CC O 2	251-222-20	20 g
Chroma Concept Opaque CC O 3	251-223-20	20 g
Chroma Concept Opaque CC O 4	251-224-20	20 g
Chroma Concept Dentin CC D 1, bleach	251-231-20	20 g
Chroma Concept Dentin CC D 2, bleach	251-232-20	20 g
Chroma Concept Dentin CC D 3	251-233-20	20 g
Chroma Concept Dentin CC D 4	251-234-20	20 g
Chroma Concept Dentin CC D 5	251-235-20	20 g

Designation	REF	Quantity
Chroma Concept Dentin CC D 6	251-236-20	20 g
Chroma Concept Dentin CC D 7	251-237-20	20 g
Chroma Concept Dentin CC D 8	251-238-20	20 g
Chroma Concept Dentin CC D 9	251-239-20	20 g
Chroma Concept Dentin CC D 10	251-240-20	20 g
Chroma Concept Dentin CC D 11	251-241-20	20 g
Chroma Concept Dentin CC D 12	251-242-20	20 g
Chroma Concept Incisal CC I 1, bleach	251-245-20	20 g
Shade Disc Chroma Concept / Bleach	254-102-00	1 piece

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** Ivoclar-Chromascop[®] is a registered trademark of Ivoclar Vivadent GmbH.



Touch Up Set

Set for facilitating finishing or corrections due to lower firing temperatures.

Contains 9 ceramic materials including Base Dentins, Dentins and Incisal materials.

REF 251-800-50

1 set

CE 0483

Contents:

Designation	REF	Quantity
Touch Up Base Dentin TU BD light	251-251-20	20 g
Touch Up Base Dentin TU BD medium	251-252-20	20 g
Touch Up Base Dentin TU BD dark	251-253-20	20 g
Touch Up Dentin TU D light	251-255-20	20 g
Touch Up Dentin TU D medium	251-256-20	20 g

Designation	REF	Quantity
Touch Up Dentin TU D dark	251-257-20	20 g
Touch Up Incisal TU I medium	251-260-20	20 g
Touch Up Incisal TU I opal	251-261-20	20 g
Touch Up Incisal TU I transpa	251-262-20	20 g
Shade Disc Touch Up	254-103-00	1 piece

Veneering ceramics

ceraMotion® – Titanium ceramic



Stains Universal Set

Set containing 16 stains (3 opaque shades and 13 characterization shades) for internal and external effects.

REF 254-800-30

1 set

CE 0483

Contents:

Designation	REF	Quantity
Body Stains B ST A	254-220-02	2 g
Body Stains B ST B	254-221-02	2 g
Body Stains B ST C	254-222-02	2 g
Stains ST white	254-201-02	2 g
Stains ST vanilla	254-202-02	2 g
Stains ST yellow	254-203-02	2 g
Stains ST orange	254-204-02	2 g
Stains ST pink	254-205-02	2 g
Stains ST purple	254-206-02	2 g

Designation	REF	Quantity
Stains ST blue	254-207-02	2 g
Stains ST grey	254-208-02	2 g
Stains ST olive green	254-209-02	2 g
Stains ST olive yellow	254-210-02	2 g
Stains ST medium brown	254-211-02	2 g
Stains ST red brown	254-212-02	2 g
Stains ST black	254-213-02	2 g
Stains Liquid	254-010-02	20 ml
Shade Disc Stains	254-105-00	1 piece

Bonder B

Powder bonder

- produces an optimal bond strength between the titanium framework and ceramic

Liquid: Powder BOL Liquid

Shade code	REF (20 g)	REF (40 g)
B	251-550-20	251-550-40

CE 0483



Paste Bonder PB

Paste bonder

- produces an optimal bond strength between the titanium framework and ceramic

- direct use

- easy, uncomplicated application

Liquid: Paste Liquid

Shade code	REF (3 g)	REF (6 g)
PB	251-551-03	251-551-06

CE 0483



Opaque O

Opaque powder

- minimal layer thickness

- good and dense coverage of the metal substructure

Liquid: Powder BOL Liquid

Shade code	REF (20 g)	REF (40 g)
O A1	251-001-20	251-001-40
O A2	251-002-20	251-002-40
O A3	251-003-20	251-003-40
O A3,5	251-004-20	251-004-40
O A4	251-005-20	251-005-40
O B1	251-006-20	251-006-40
O B2	251-007-20	251-007-40
O B3	251-008-20	251-008-40
O B4	251-009-20	251-009-40
O C1	251-010-20	251-010-40
O C2	251-011-20	251-011-40
O C3	251-012-20	251-012-40
O C4	251-013-20	251-013-40
O D2	251-014-20	251-014-40
O D3	251-015-20	251-015-40
O D4	251-016-20	251-016-40

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ceraMotion[®] Ti – Titanium ceramic



Opaque Modifier OM

- customized accentuation of the opaque powder

Liquid: Powder BOL Liquid

Shade code	REF	Quantity
OM gingival	251-018-20	20 g
OM orange	251-019-20	20 g

CE⁰⁴⁸³

Base Dentin BD

- has a higher opacity than Dentin
- diffusing effect
- three-dimensional depth effect (after finishing)
- support of the actual tooth shade (even if there is unfavorable space availability)
- increases reflection from deep in the ceramic

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF (20 g)	REF (40 g)
BD A1	251-021-20	251-021-40
BD A2	251-022-20	251-022-40
BD A3	251-023-20	251-023-40
BD A3,5	251-024-20	251-024-40
BD A4	251-025-20	251-025-40
BD B1	251-026-20	251-026-40
BD B2	251-027-20	251-027-40
BD B3	251-028-20	251-028-40
BD B4	251-029-20	251-029-40
BD C1	251-030-20	251-030-40
BD C2	251-031-20	251-031-40
BD C3	251-032-20	251-032-40
BD C4	251-033-20	251-033-40
BD D2	251-034-20	251-034-40
BD D3	251-035-20	251-035-40
BD D4	251-036-20	251-036-40



CE 0483

Base Dentin Modifier BDM

Effect material with increased opacity

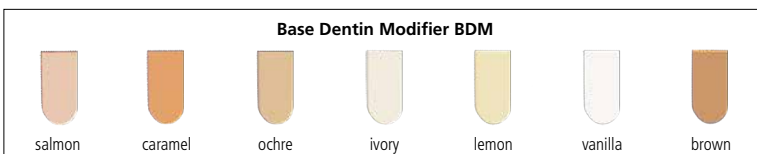
- produces depth of shade
- controls the brightness value
- reproduction of natural effects in the dental, proximal and mamelon regions

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
BDM salmon	251-101-20	20 g
BDM caramel	251-102-20	20 g
BDM ochre	251-103-20	20 g
BDM ivory	251-104-20	20 g
BDM lemon	251-105-20	20 g
BDM vanilla	251-106-20	20 g
BDM brown	251-107-20	20 g



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Dentin D

Standard dentin

- produces the primary shade effect
- natural fluorescence
- prism effects

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF (20 g)	REF (40 g)
D A1	251-041-20	251-041-40
D A2	251-042-20	251-042-40
D A3	251-043-20	251-043-40
D A3,5	251-044-20	251-044-40
D A4	251-045-20	251-045-40
D B1	251-046-20	251-046-40
D B2	251-047-20	251-047-40
D B3	251-048-20	251-048-40
D B4	251-049-20	251-049-40
D C1	251-050-20	251-050-40
D C2	251-051-20	251-051-40
D C3	251-052-20	251-052-40
D C4	251-053-20	251-053-40
D D2	251-054-20	251-054-40
D D3	251-055-20	251-055-40
D D4	251-056-20	251-056-40

CE⁰⁴⁸³

Incisal allocation table			
Dentin shade	Incisal Standard	Incisal Opal	Incisal Transpa
A1, A2, B1	I 1	IO 1	IT 1
A3, A3,5, B2, B3, B4, C1, C2, C3, D2, D3, D4	I 2	IO 2	IT 2
A4, C4	I 3	IO 3	IT 3

Dentin Modifier Chroma DM C

- controls the intensity of the respective hue
 - increases the depth of shade, even with a reduced layer thickness
- Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
DM C A	251-111-20	20 g
DM C B	251-112-20	20 g
DM C C	251-113-20	20 g
DM C orange	251-114-20	20 g

CE 0483



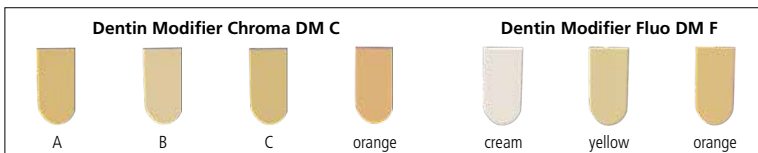
Dentin Modifier Fluo DM F

Dentin effect material with increased fluorescence

- controls the brightness value
- Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
DM F cream	251-115-20	20 g
DM F yellow	251-116-20	20 g
DM F orange	251-117-20	20 g

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Veneering ceramics

ceraMotion® – Titanium ceramic



Incisal I

Standard incisal material

- application in the incisal region

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF (20 g)	REF (40 g)
I 1	251-060-20	251-060-40
I 2	251-061-20	251-061-40
I 3	251-062-20	251-062-40

CE 0483



Incisal Opal IO

- for alternate layering incisally
- opalescent: bluish effect in reflected light
- orange-colored effect in light transmitted through the ceramic
- enhances the natural light refraction
- application in the incisal region

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF (20 g)	REF (40 g)
IO 1	251-065-20	251-065-40
IO 2	251-066-20	251-066-40
IO 3	251-067-20	251-067-40

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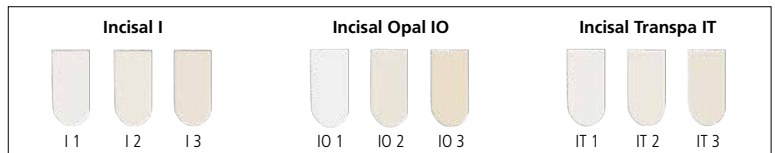
Incisal Transpa IT

- increased transparency in the materials
- application in the incisal region

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF (20 g)	REF (40 g)
IT 1	251-070-20	251-070-40
IT 2	251-071-20	251-071-40
IT 3	251-072-20	251-072-40

CE 0483



Transpa T

- highly transparent material
 - application in the incisal region, as required
- Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF (20 g)	REF (40 g)
T transpa	251-075-20	251-075-40

CE 0483



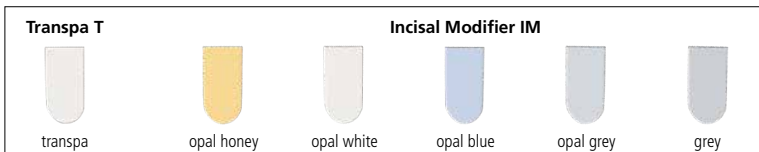
Incisal Modifier IM

- enhances the natural light refraction
- for alternate layering incisally
- application in the incisal region

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
IM opal honey	251-121-20	20 g
IM opal white	251-122-20	20 g
IM opal blue	251-123-20	20 g
IM grey	251-124-20	20 g
IM opal grey	251-125-20	20 g

CE 0483



Veneering ceramics

ceraMotion®_{Ti} – Titanium ceramic



Shoulder SM

Shoulder material

With the shoulder material white it is possible to individually mix all shade nuances from A1 to D4 by following the information in the mixing table.

By adding the shoulder material transparent, the translucence is increased in the shoulder.

Liquid: Shoulder Liquid

Shade code	REF	Quantity
SM A	251-081-20	20 g
SM B	251-082-20	20 g
SM C	251-083-20	20 g
SM D	251-084-20	20 g
SM white	251-085-20	20 g
SM transpa	251-086-20	20 g

CE⁰⁴⁸³



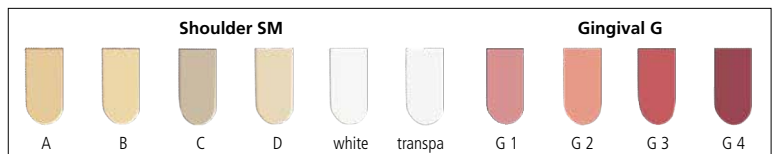
Gingival G

- build-up and reconstruction of gingiva and papillae
- compensation of mucosal defects

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
G 1	251-090-20	20 g
G 2	251-091-20	20 g
G 3	251-092-20	20 g
G 4	251-093-20	20 g

CE⁰⁴⁸³



Chroma Concept Opaque CC O

Chroma opaque powder

- increases the reflection from deep in the ceramic
- can be used with patients who have a lighter or bleached tooth shade
- produces all the hues of the shade guide of other suppliers (e.g. Vita 3D-Master[®]* or Ivoclar-Chromascop[®]**)

Liquid: Powder BOL Liquid

Shade code	REF	Quantity
CC O 1, bleach	251-221-20	20 g
CC O 2	251-222-20	20 g
CC O 3	251-223-20	20 g
CC O 4	251-224-20	20 g



CE 0483

* Vita 3D-Master[®] is a registered trademark of Vita Zahnfabrik H. Rauter GmbH & Co.KG, 79704 Bad Säckingen, Germany.

** Ivoclar-Chromascop[®] is a registered trademark of Ivoclar Vivadent GmbH.

Chroma Concept Dentin CC D

- pure or mixed, for extending the color space
- same opaque characteristics as dentin
- white and light dentin bleach materials
- produces all the hues of the shade guide of other suppliers (e.g. Vita 3D-Master[®]* or Ivoclar-Chromascop[®]**)

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
CC D 1, bleach	251-231-20	20 g
CC D 2, bleach	251-232-20	20 g
CC D 3	251-233-20	20 g
CC D 4	251-234-20	20 g
CC D 5	251-235-20	20 g
CC D 6	251-236-20	20 g
CC D 7	251-237-20	20 g
CC D 8	251-238-20	20 g
CC D 9	251-239-20	20 g
CC D 10	251-240-20	20 g
CC D 11	251-241-20	20 g
CC D 12	251-242-20	20 g



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* Vita 3D-Master[®] is a registered trademark of Vita Zahnfabrik H. Rauter GmbH & Co.KG, 79704 Bad Säckingen, Germany.

** Ivoclar-Chromascop[®] is a registered trademark of Ivoclar Vivadent GmbH.

Chroma Concept Incisal CC I

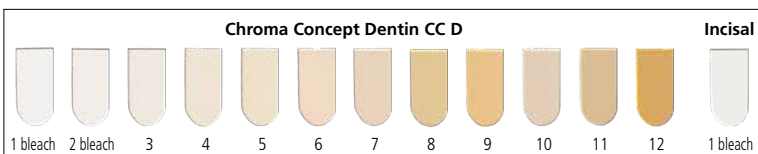
Light incisal bleach material

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
CC I 1, bleach	251-245-20	20 g



CE 0483



ceraMotion[®]_{Ti} – Titanium ceramic



Touch Up Base Dentin TU BD

Low-fusing material for correction and glaze firing in one.

- greater reliability due to highly condensed fitting surfaces

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
TU BD light	251-251-20	20 g
TU BD medium	251-252-20	20 g
TU BD dark	251-253-20	20 g

CE 0483



Touch Up Dentin TU D

Low-fusing material for correction and glaze firing in one.

- highly condensed marginal ridges enhance the aesthetics

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
TU D light	251-255-20	20 g
TU D medium	251-256-20	20 g
TU D dark	251-257-20	20 g

CE 0483



Touch Up Incisal TU I

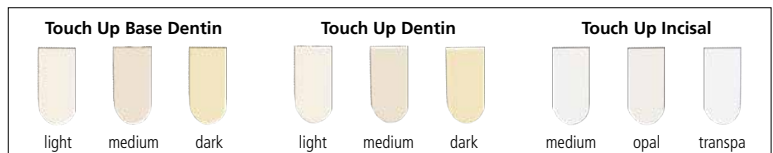
Low-fusing material for correction and glaze firing in one.

- highly condensed marginal ridges enhance the aesthetics

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
TU I medium	251-260-20	20 g
TU I opal	251-261-20	20 g
TU I transpa	251-262-20	20 g

CE 0483



Correction C

Low-fusing material, pure or for mixing with corresponding dentin and incisal masses, used for minor corrections.

Firing temperature: 715 °C / 1319 °F

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
C transpa	251-095-03	3 g

CE 0483



Glaze GL

Glaze material, pure or for mixing with Stains and Body Stains.

Liquid: Stains Liquid

Shade code	REF	Quantity
GL transpa	251-270-02	2 g

CE 0483



ceraMotion®_{Ti} – Titanium ceramic



Body Stains B ST

Stains for internal and external application

- for mixing with the glaze material
- individual color accentuation
- produces a particularly deep shade
- can be mixed up to 10 % in ceramic materials

Liquid: Stains Liquid

Shade code	REF	Quantity
● B ST A	254-220-02	2 g
● B ST B	254-221-02	2 g
● B ST C	254-222-02	2 g

CE⁰⁴⁸³



Stains ST

Stains for internal and external application

- for mixing with the glaze material
- individual color accentuation
- produces a particularly deep shade
- can be mixed up to 10 % in ceramic materials

Liquid: Stains Liquid

Shade code	REF	Quantity
○ ST 1 white	254-201-02	2 g
● ST 2 vanilla	254-202-02	2 g
● ST 3 yellow	254-203-02	2 g
● ST 4 orange	254-204-02	2 g
● ST 5 pink	254-205-02	2 g
● ST 6 purple	254-206-02	2 g
● ST 7 blue	254-207-02	2 g
● ST 8 grey	254-208-02	2 g
● ST 9 olive green	254-209-02	2 g
● ST 10 olive yellow	254-210-02	2 g
● ST 11 medium brown	254-211-02	2 g
● ST 12 red brown	254-212-02	2 g
● ST 13 black	254-213-02	2 g

CE⁰⁴⁸³

Modelling Liquid

Standard liquid for mixing the ceramic materials.

REF 254-000-02	20 ml
REF 254-000-10	100 ml
REF 254-000-50	500 ml



Modelling Liquid +

Modelling liquid with slightly increased viscosity.

REF 254-002-02	20 ml
REF 254-002-10	100 ml
REF 254-002-50	500 ml



Paste Liquid

For adjusting the viscosity of the pastes.

REF 254-006-02	20 ml
REF 254-006-10	100 ml



Powder BOL Liquid

For mixing the powder bonder, opaque powder, powder liner.

REF 254-008-02	20 ml
REF 254-008-10	100 ml



Shoulder Liquid

For mixing the shoulder materials.

- increases the positional stability

REF 254-004-02	20 ml
REF 254-004-10	100 ml



Stains Liquid

For mixing the stains and the glaze/glaze material.

REF 254-010-02	20 ml
REF 254-010-10	100 ml



ceraMotion[®]_{Ti} – Titanium ceramic



Contrast Marker

For coloring mixed ceramic materials.

- for a better contrast when building up
- burns out without residue
- the same viscosity as the modelling liquid

Color	REF	Quantity
vanilla	254-300-02	20 ml
orange	254-301-02	20 ml
red	254-302-02	20 ml
blue	254-303-02	20 ml
green	254-304-02	20 ml

Veneering ceramics

ceraMotion[®] L_f – Low-fusing ceramic



8 Shade Set

Set for veneering alloys that have a high CTE value
(CTE range of $15.9 \cdot 10^{-6} \text{ K}^{-1}$ - $17.0 \cdot 10^{-6} \text{ K}^{-1}$
at 25 °C - 500 °C / 77 °F - 932 °F).

Contains the 8 most important A–D shades, Paste Opaque, Base Dentins, Dentins, Incisal and effect materials.

REF 253-800-10 1 set

CE 0483

Contents:

Designation	REF	Quantity
Paste Opaque PO base	253-550-03	3 g
Paste Opaque PO A1	253-501-03	3 g
Paste Opaque PO A2	253-502-03	3 g
Paste Opaque PO A3	253-503-03	3 g
Paste Opaque PO A3,5	253-504-03	3 g
Paste Opaque PO B2	253-507-03	3 g
Paste Opaque PO B3	253-508-03	3 g
Paste Opaque PO C3	253-512-03	3 g
Paste Opaque PO D3	253-515-03	3 g
Base Dentin BD 1	253-021-20	20 g
Base Dentin BD 2	253-022-20	20 g
Base Dentin BD 3	253-023-20	20 g
Base Dentin BD 4	253-024-20	20 g
Base Dentin BD 5	253-025-20	20 g
Base Dentin BD 7	253-027-20	20 g
Base Dentin BD 9	253-029-20	20 g
Dentin D A1	253-041-20	20 g
Dentin D A2	253-042-20	20 g

Designation	REF	Quantity
Dentin D A3	253-043-20	20 g
Dentin D A3,5	253-044-20	20 g
Dentin D B2	253-047-20	20 g
Dentin D B3	253-048-20	20 g
Dentin D C3	253-052-20	20 g
Dentin D D3	253-055-20	20 g
Incisal I 1	253-060-20	20 g
Incisal I 2	253-061-20	20 g
Incisal Opal IO 1	253-065-20	20 g
Incisal Opal IO 2	253-066-20	20 g
Transpa T transpa	253-075-20	20 g
Dentin Modifier Fluo DM F yellow	253-116-20	20 g
Glaze GL transpa	253-061-02	2 g
Correction C transpa	253-095-03	3 g
Modelling Liquid	254-000-10	100 ml
Paste Liquid	254-006-02	20 ml
Stains Liquid	254-010-02	20 ml
Shade Disc Incisal	254-100-00	1 piece

Paste Opaque PO

Opaque paste

- can be universally used with all non-precious and LF precious metal alloys, as well as for galvano gold
- good, dense coverage of the metal substructure
- easy, uncomplicated application
- silky glaze

The opaque paste PO base was specially developed for precious metal alloys with a copper content and ensures complete coverage of the framework and shade stability.

Liquid: Paste Liquid



Shade code	REF	Quantity
PO base	253-550-03	3 g
PO A1	253-501-03	3 g
PO A2	253-502-03	3 g
PO A3	253-503-03	3 g
PO A3,5	253-504-03	3 g
PO A4	253-505-03	3 g
PO B1	253-506-03	3 g
PO B2	253-507-03	3 g
PO B3	253-508-03	3 g
PO B4	253-509-03	3 g
PO C1	253-510-03	3 g
PO C2	253-511-03	3 g
PO C3	253-512-03	3 g
PO C4	253-513-03	3 g
PO D2	253-514-03	3 g
PO D3	253-515-03	3 g
PO D4	253-516-03	3 g

CE 0483

Paste Opaque Modifier POM

- customized accentuation of the opaque paste

Liquid: Paste Liquid



Shade code	REF	Quantity
POM gingival	253-520-03	3 g
POM orange	253-521-03	3 g

CE 0483



ceramotion[®]_{Lf} – Low-fusing ceramic



Base Dentin BD

- has a higher opacity than Dentin
- diffusing effect
- three-dimensional depth effect (after finishing)
- support of the actual tooth shade (even if there is unfavorable space availability)
- increases reflection from deep in the ceramic

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
BD 1	253-021-20	20 g
BD 2	253-022-20	20 g
BD 3	253-023-20	20 g
BD 4	253-024-20	20 g
BD 5	253-025-20	20 g
BD 6	253-026-20	20 g
BD 7	253-027-20	20 g
BD 8	253-028-20	20 g
BD 9	253-029-20	20 g
BD 10	253-030-20	20 g

CE⁰⁴⁸³

Mixing instructions															
A1	A2	A3	A3,5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4
BD1	1/3 BD1 + 2/3 BD3	BD2	BD3	1/3 BD1 + 2/3 DMCA	BD4	2/3 BD4 + 1/3 BD5	BD5	2/3 BD1 + 1/3 DMCB	BD6	1/3 BD6 + 2/3 BD7	BD7	1/3 BD7 + 2/3 DMC	BD8	BD9	BD10

Dentin D

Standard dentin

- produces the primary shade effect
- natural fluorescence
- prism effects

Liquid: Modelling Liquid, Modelling Liquid +



Shade code	REF	Quantity
D A1	253-041-20	20 g
D A2	253-042-20	20 g
D A3	253-043-20	20 g
D A3,5	253-044-20	20 g
D A4	253-045-20	20 g
D B1	253-046-20	20 g
D B2	253-047-20	20 g
D B3	253-048-20	20 g
D B4	253-049-20	20 g
D C1	253-050-20	20 g
D C2	253-051-20	20 g
D C3	253-052-20	20 g
D C4	253-053-20	20 g
D D2	253-054-20	20 g
D D3	253-055-20	20 g
D D4	253-056-20	20 g

CE 0483

Incisal allocation table		
Dentin shade	Incisal Standard	Incisal Opal
A1, A2, B1	I 1	IO 1
A3, A3,5, B2, B3, B4, C1, C2, C3, D2, D3, D4	I 2	IO 2
A4, C4	I 3	IO 3

ceraMotion^{LF} – Low-fusing ceramic



Dentin Modifier Chroma DM C

- controls the intensity of the respective hue
- increases the depth of shade, even with a reduced layer thickness

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
DM C A	253-111-20	20 g
DM C B	253-112-20	20 g
DM C C	253-113-20	20 g

CE 0483



Dentin Modifier Fluo DM F

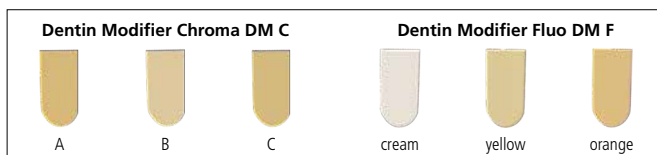
Dentin effect material with increased fluorescence

- controls the brightness value

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
DM F cream	253-115-20	20 g
DM F yellow	253-116-20	20 g
DM F orange	253-117-20	20 g

CE 0483



Incisal I

Standard incisal material

- application in the incisal region

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
I 1	253-060-20	20 g
I 2	253-061-20	20 g
I 3	253-062-20	20 g

CE 0483



Incisal Opal IO

- for alternate layering incisally
- opalescent: bluish effect in reflected light
- orange-colored effect in light transmitted through the ceramic
- enhances the natural light refraction
- application in the incisal region

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
IO 1	253-065-20	20 g
IO 2	253-066-20	20 g
IO 3	253-067-20	20 g

CE 0483



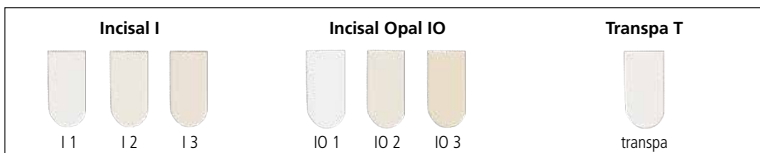
Transpa T

- highly transparent material
- application in the incisal region, as required

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
T transpa	253-075-20	20 g

CE 0483



ceraMotion^{LF} – Low-fusing ceramic



Incisal Modifier IM

- can be layered alternately in the incisal area
- increases the natural optical refraction
- application in incisal area

Shade code	REF	Quantity
IM opal honey	253-121-20	20 g
IM opal blue	253-123-20	20 g
IM opal grey	253-125-20	20 g

CE 0483



Shoulder SM

Shoulder material

With the shoulder material white it is possible to individually mix all shade nuances from A1 to D4 by following the information in the mixing table.

By adding the shoulder material transparent, the translucence is increased in the shoulder.

Liquid: Shoulder Liquid

Shade code	REF	Quantity
SM A	253-081-20	20 g
SM B	253-082-20	20 g
SM C	253-083-20	20 g
SM D	253-084-20	20 g
SM white	253-085-20	20 g
SM transpa	253-086-20	20 g

CE 0483



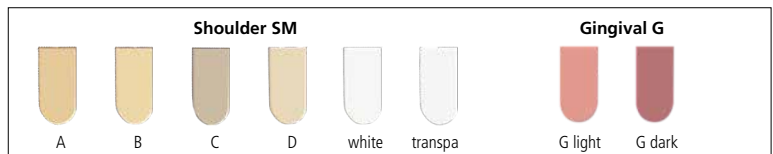
Gingival G

- build-up and reconstruction of gingiva and papillae
- compensation of mucosal defects

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
G light	253-091-20	20 g
G dark	253-092-20	20 g

CE 0483



Chroma Concept Paste Opaque CC PO

Chroma opaque paste

- increases the reflection from deep in the ceramic
- can be used with patients who have a lighter or bleached tooth shade

Liquid: Paste Liquid

Shade code	REF	Quantity
CC PO 1, bleach	253-541-03	3 g

CE 0483



Chroma Concept Dentin CC D

- pure or mixed, for extending the color space
- same opaque characteristics as Dentin

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
CC D 1, bleach	253-231-20	20 g
CC D 2, bleach	253-232-20	20 g

CE 0483



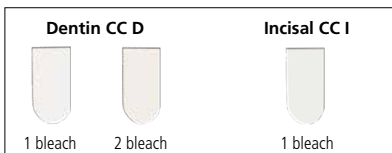
Chroma Concept Incisal CC I

Light incisal bleach material

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
CC I 1, bleach	253-245-20	20 g

CE 0483



ceraMotion[®] Lf – Low-fusing ceramic



Correction C

Low-fusing material, pure or for mixing with corresponding dentin and incisal masses, used for minor corrections.

Firing temperature: 745 °C / 1373 °F

Liquid: Modelling Liquid, Modelling Liquid +

Shade code	REF	Quantity
C transpa	253-095-03	3 g

CE 0483



Glaze GL

Glaze material, pure or for mixing with Lf Stains and Lf Body Stains.

Liquid: Stains Liquid

Shade code	REF	Quantity
GL transpa	253-270-02	2 g

CE 0483

Lf Body Stains LF BST

Stains for internal and external application

- for mixing with the glaze material
- individual color accentuation
- produces a particularly deep shade
- can be mixed up to 10 % in ceramic materials

Liquid: Stains Liquid



Shade code	REF	Quantity
LF BST A	253-620-02	2 g
LF BST B	253-621-02	2 g
LF BST C	253-622-02	2 g



CE 0483

Lf Stains LF ST

Stains for internal and external application

- for mixing with the glaze material
- individual color accentuation
- produces a particularly deep shade
- can be mixed up to 10 % in ceramic materials

Liquid: Stains Liquid



Shade code	REF	Quantity
LF ST 1 white	253-601-02	2 g
LF ST 4 orange	253-604-02	2 g
LF ST 7 blue	253-607-02	2 g
LF ST 9 olive green	253-609-02	2 g
LF ST 12 red brown	253-612-02	2 g
LF ST 13 black	253-613-02	2 g



CE 0483



Veneering ceramics

ceraMotion[®] L_f – Low-fusing ceramic



Modelling Liquid

Standard liquid for mixing the ceramic materials.

REF 254-000-02	20 ml
REF 254-000-10	100 ml
REF 254-000-50	500 ml



Modelling Liquid +

Modelling liquid with slightly increased viscosity.

REF 254-002-02	20 ml
REF 254-002-10	100 ml
REF 254-002-50	500 ml



Paste Liquid

For adjusting the viscosity of the pastes.

REF 254-006-02	20 ml
REF 254-006-10	100 ml



Shoulder Liquid

For mixing the shoulder materials.

- increases the positional stability

REF 254-004-02	20 ml
REF 254-004-10	100 ml



Stains Liquid

For mixing the stains and the glaze/glaze material.

REF 254-010-02	20 ml
REF 254-010-10	100 ml

Contrast Marker

For coloring mixed ceramic materials.

- for a better contrast when building up
- burns out without residue
- the same viscosity as the modelling liquid



Color	REF	Quantity
vanilla	254-300-02	20 ml
orange	254-301-02	20 ml
red	254-302-02	20 ml
blue	254-303-02	20 ml
green	254-304-02	20 ml

ceraMotion® – Ceramic accessories



Shade Disc Incisal

Shade disc for incisal materials.

REF 254-100-00

1 piece



Shade Disc Modifier

Shade disc for effect materials.

REF 254-101-00

1 piece



Shade Disc Value Concept

Shade disc for Value Concept materials.

REF 254-106-00

1 piece



Shade Disc Chroma Concept / Bleach

Shade disc for Chroma Concept materials.

REF 254-102-00

1 piece

Shade Disc Touch Up

Shade disc for Touch Up materials.

REF 254-103-00

1 piece



Shade Disc Shoulder / Gingival

Shade disc for shoulder and gingival materials.

REF 254-104-00

1 piece



Shade Disc Stains

Shade disc for Stains.

REF 254-105-00

1 piece



A–D Shade Guide

Shade guide for ceraMotion® ceramic materials.

REF 260-300-20

1 piece



Veneering ceramics

ceraMotion® – Ceramic accessories



Opaque brush no. 6

REF 260-907-10

1 piece



Shade sample former

For easy preparation of bake samples.

REF 260-315-00

1 piece



Firing tray with holders

REF 260-300-03

1 piece



Holders for firing tray

REF 260-300-13

6 pieces



Carbon fibre chips

• for purge of ceramic furnaces

REF 260-317-00

10 pieces



Glass instrument for bonder and opaque

REF 291-000-00

1 piece



SM-Isosit

- to smooth out and seal at the same time
- to isolate plaster from ceramics and ceramics from ceramics

REF 260-324-01

20 ml

Zirconium oxide blanks	Page	126
CoCr blanks	Page	132
Titanium blanks	Page	133
Wax blanks	Page	135
Investment material	Page	136
Powder for laser melting	Page	137



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












Ceramic solutions – made by Dentaureum.

Zirconium oxide is the first choice in materials for highly aesthetic prosthetic restorations due to its many possible uses, its biocompatibility and its visual color matching ability. There are six different ceraMotion® Z blanks for all zirconia-based indications, each offering reliability in shading and processing.

State-of-the-art materials technology within a logical overall concept makes ceraMotion® Z the smart choice for natural all-ceramic restorations, created to meet high demands.



	Zirconium oxide type	Flexural strength (biaxial)	Sintering temperature	Translucency*
 <p>8 Vita** & 2 Bleach shades</p>	ceraMotion® Z blank Hybrid <ul style="list-style-type: none"> ■ strong ■ ultra-highly translucent ■ multi-shaded 	1300 → 1020 MPa	1480 °C / 2696 °F	43 % - 47 %
 <p>9 Vita** shades</p>	ceraMotion® Z blank Cubic Multishade <ul style="list-style-type: none"> ■ ultra-highly translucent ■ multi-shaded 	600 MPa	1450 °C / 2642 °F	49 %
 <p>9 Vita** shades</p>	ceraMotion® Z blank HT Multishade <ul style="list-style-type: none"> ■ strong ■ highly translucent ■ multi-shaded 	1100 MPa	1530 °C / 2786 °F	43 %
 <p>16 Vita** shades</p>	ceraMotion® Z blank HT Shade <ul style="list-style-type: none"> ■ strong ■ highly translucent ■ shaded 	1100 MPa	1530 °C / 2786 °F	43 %
	ceraMotion® Z blank HT White <ul style="list-style-type: none"> ■ strong ■ highly translucent 	1200 MPa	1530 °C / 2786 °F	43 %
	ceraMotion® Z blank White <ul style="list-style-type: none"> ■ strong ■ proven 	1200 MPa	1530 °C / 2786 °F	39 %

* Specimen 1.0 mm, white
 ** Vita is a registered trademark of Vita Zahnfabrik H. Rauter GmbH & Co. KG, 79704 Bad Säckingen, Germany

Premium quality for every requirement.





remanium®
star MD III

rematitan®
Ti2+Ti5

STAR WAX

remanium® und rematitan® – two clinically-proven brands from Dentauro for the most commonly used milling machines. They are complemented by two wax blanks especially for semi-digital technology.






Blank type	
	<p>remanium® star MD II blank</p> <p>High-tech CoCr bonding alloy for CAD/CAM milling systems. A distinguishing feature of remanium® star MD II is its homogeneous composition. This guarantees strength (type 3) and ductility which are suitable for machining (subtractive manufacturing).</p> <p>Good laser weldability and proven good ceramic bonding are further properties which provide the basis for the high degree of safety potential.</p>
	<p>rematitan® blank Ti2</p> <p>Titanium of low hardness.</p> <p>rematitan® blank Ti2 for all applications in crown and bridge work. Highly biocompatible and gentle on the tools during milling. Ideal for ceramic veneering using veneering ceramics suitable for titanium such as ceraMotion® Ti</p>
	<p>rematitan® blank Ti5</p> <p>For high demands.</p> <p>rematitan® blank Ti5: Titanium alloy (Ti 6AL 4V) with increased mechanical strength. Particularly suitable for long-span, delicate framework structures and for implant work. Can be veneered and offers secure ceramic bond.</p>
	<p>StarWax blank blue and StarWax blank grey</p> <p>Wax milling made easy.</p> <p>Wax blanks with excellent milling properties for the manufacture of crowns and bridges or partial dentures using the CAD/Vest process. Can be processed on all milling machines suitable for milling blanks with standard dimensions.</p> <p>StarWax Blank blue is ideal for CAD/Vest partial dentures to be cast.</p> <p>StarWax Blank grey is ideal for CAD/Vest crowns and bridges to be pressed or cast.</p>

remanium®
star powder 



remanium® star powder and rematitan® powder are clinically-proven non-precious metal alloys for the manufacture of crowns, bridges and partial dentures by means of additive laser melting. They are compatible with all market-leading laser melting machines.



Powder type	
	<p>remanium® star powder, 10-30 µm</p> <ul style="list-style-type: none"> ■ ideal grain size ■ particularly suitable for the manufacture of fixed and removable restorations, appliances and metal-ceramic frameworks ■ new heat treatment, time and resource-saving ■ good ceramic bond ■ type 5 alloy
	<p>rematitan® powder, 15-45 µm</p> <ul style="list-style-type: none"> ■ alloy based on titanium, thereby an alternative to CoCr alloys ■ particularly suitable for the manufacture of fixed and removable restorations, appliances and metal-ceramic frameworks ■ validated for all common laser melting machines ■ type 4 alloy
	

Zirconium oxide blanks



ceraMotion® Z blank Hybrid

ø 98,3 mm

Multi-shaded and multi-layered zirconium oxide made of two different zirconium oxide materials for all restorations in the anterior and posterior area. Suitable for all open CAD/CAM systems.

Advantages and indication:

- multiple indications due to high strength in the dentine area
- reliable reproducibility for high-level aesthetics
- natural, smooth shade transition from cervical to incisal
- available in the 9 most popular V-shades and 2 bleach shades
- particularly suitable for monolithic restorations
- excellent machinability
- translucency 43 % to 47 % (non-shaded, 1 mm)
- optimum finishing with ceraMotion® One Touch and veneering with ceraMotion® Zr

Sintering temperature: 1480 °C / 2696 °F

Norm: DIN EN ISO (Type II, class 5), DIN EN ISO 9693

Color	REF (14 mm)	REF (18 mm)	REF (22 mm)	Quantity
bleach 1	272-300-14	272-300-18	272-300-22	1 piece
bleach 2	272-400-14	272-400-18	272-400-22	1 piece
A1	272-411-14	272-411-18	272-411-22	1 piece
A2	272-412-14	272-412-18	272-412-22	1 piece
A3	272-413-14	272-413-18	272-413-22	1 piece
A3.5	272-415-14	272-415-18	272-415-22	1 piece
A4	272-414-14	272-414-18	272-414-22	1 piece
B1	272-421-14	272-421-18	272-421-22	1 piece
B2	272-422-14	272-422-18	272-422-22	1 piece
C2	272-432-14	272-432-18	272-432-22	1 piece

CE 0483

Technical data

Material	ZrO ₂ 3Y-TZP → 4Y-PSZ
Bending strength	1300 → 1020 MPA
Density	> 6.04 g/cm ³
Radioactivity	< 0.02 Bq/g
Solubility	< 20 µg/cm ²
CTE	10.5 · 10 ⁻⁶ K ⁻¹

The values listed were measured on test samples and are typical for the material. The product properties may, however, deviate from these values depending on the component design and the forming process.

ceraMotion® Z blank Cubic Multishade

ø 98.3 mm

Multi-shaded, pre-shaded and ultra-highly translucent zirconium oxide for inlays, veneers, single crowns and 3-unit bridges. Suitable for all open CAD/CAM systems.

Advantages and indication:

- reliable reproducibility for high-level aesthetics
- natural, smooth shade transition from cervical to incisal
- available in the 9 most popular V-shades
- particularly suitable for inlays, onlays, monolithic crowns and 3-unit bridges
- excellent machinability
- translucency 49 % (non-shaded, 1 mm)
- optimum finishing with ceraMotion® One Touch and veneering with ceraMotion® Zr

Sintering temperature: 1450 °C / 2642 °F

Norm: DIN EN ISO 6872 (Type II, class 4), DIN EN ISO 9693



Color	REF (14 mm)	REF (18 mm)	REF (22 mm)	Quantity
A1	272-311-14	272-311-18	272-311-22	1 piece
A2	272-312-14	272-312-18	272-312-22	1 piece
A3	272-313-14	272-313-18	272-313-22	1 piece
A3.5	272-315-14	272-315-18	272-315-22	1 piece
A4	272-314-14	272-314-18	272-314-22	1 piece
B1	272-321-14	272-321-18	272-321-22	1 piece
B2	272-322-14	272-322-18	272-322-22	1 piece
C2	272-332-14	272-332-18	272-332-22	1 piece
D2	272-333-14	272-333-18	272-333-22	1 piece

CE 0483

Technical data

Material	ZrO ₂ 5Y-PSZ
Bending strength	600 MPa
Density	> 6.04 g/cm ³
Radioactivity	< 0.02 Bq/g
Solubility	< 100 µg/cm ²
CTE	10.5 · 10 ⁻⁶ K ⁻¹

The values listed were measured on test samples and are typical for the material. The product properties may, however, deviate from these values depending on the component design and the forming process.



Zirconium oxide blanks



ceraMotion® Z blank HT Multishade

ø 98.3 mm

Multi-shaded, pre-shaded and highly translucent zirconium oxide for all restorations in the anterior and posterior area from the single crown to multi-element restorations or implant substructures.

Suitable for all open CAD/CAM systems.

Advantages and indication:

- multiple indications due to high strength
- highly efficient (no preshading required)
- for high aesthetic demands
- natural, smooth shade transition from cervical to incisal
- reliable reproducibility of the classic V-shades
- particularly suitable for monolithic crowns and bridges
- excellent machinability
- translucency 43 % (non-shaded, 1 mm)
- optimum finishing with ceraMotion® One Touch and veneering with ceraMotion® Zr

Sintering temperature: 1530 °C / 2786 °F

Norm: DIN EN ISO (Type II, class 5), DIN EN ISO 9693

Color	REF (14 mm)	REF (18 mm)	REF (22 mm)	REF (25 mm)	Quantity
A1	272-211-14	272-211-18	272-211-22	272-211-25	1 piece
A2	272-212-14	272-212-18	272-212-22	272-212-25	1 piece
A3	272-213-14	272-213-18	272-213-22	272-213-25	1 piece
A3.5	272-215-14	272-215-18	272-215-22	272-215-25	1 piece
A4	272-214-14	272-214-18	272-214-22	272-214-25	1 piece
B1	272-221-14	272-221-18	272-221-22	272-221-25	1 piece
B2	272-222-14	272-222-18	272-222-22	272-222-25	1 piece
C2	272-232-14	272-232-18	272-232-22	272-232-25	1 piece
D2	272-233-14	272-233-18	272-233-22	272-233-25	1 piece

CE 0483

Technical data

Material	ZrO ₂ 3Y-TZP
Bending strength	1100 MPa
Density	> 6.08 g/cm ³
Radioactivity	< 0.02 Bq/g
Solubility	< 10 µg/cm ²
CTE	10.5 · 10 ⁻⁶ K ⁻¹

The values listed were measured on test samples and are typical for the material. The product properties may, however, deviate from these values depending on the component design and the forming process.

ceraMotion® Z blank HT Shade

ø 98.3 mm

Monochrome, pre-shaded and highly translucent zirconium oxide for all restorations in the anterior and posterior area, from the single crown to multi-element restorations or implant substructures.

Suitable for all open CAD/CAM systems.

Advantages and indication:

- safety due to high strength
- highly efficient (no preshading required)
- guarantees consistent shade results thanks to preshaded blanks
- reliable reproducibility of classic V-shades
- particularly suitable for monolithic crowns and bridges
- excellent machinability
- translucency 43 % (non-shaded, 1 mm)
- optimum finishing with ceraMotion® One Touch and veneering with ceraMotion® Zr

Sintering temperature: 1530 °C / 2786 °F

Norm: DIN EN ISO (Type II, class 5), DIN EN ISO 9693



Color	REF (14 mm)	REF (18 mm)	REF (22 mm)	REF (25 mm)	Quantity
A1	272-111-14	272-111-18	272-111-22	272-111-25	1 piece
A2	272-112-14	272-112-18	272-112-22	272-112-25	1 piece
A3	272-113-14	272-113-18	272-113-22	272-113-25	1 piece
A3.5	272-115-14	272-115-18	272-115-22	272-115-25	1 piece
A4	272-114-14	272-114-18	272-114-22	272-114-25	1 piece
B1	272-121-14	272-121-18	272-121-22	272-121-25	1 piece
B2	272-122-14	272-122-18	272-122-22	272-122-25	1 piece
B3	272-123-14	272-123-18	272-123-22	272-123-25	1 piece
B4	272-124-14	272-124-18	272-124-22	272-124-25	1 piece
C1	272-131-14	272-131-18	272-131-22	272-131-25	1 piece
C2	272-132-14	272-132-18	272-132-22	272-132-25	1 piece
C3	272-133-14	272-133-18	272-133-22	272-133-25	1 piece
C4	272-134-14	272-134-18	272-134-22	272-134-25	1 piece
D2	272-142-14	272-142-18	272-142-22	272-142-25	1 piece
D3	272-143-14	272-143-18	272-143-22	272-143-25	1 piece
D4	272-144-14	272-144-18	272-144-22	272-144-25	1 piece

CE 0483

Technical data

Material	ZrO ₂ 3Y-TZP
Bending strength	1100 MPa
Density	> 6,08 g/cm ³
Radioactivity	< 0.02 Bq/g
Solubility	< 10 µg/cm ²
CTE	10.5 · 10 ⁻⁶ K ⁻¹

The values listed were measured on test samples and are typical for the material. The product properties may, however, deviate from these values depending on the component design and the forming process.

Zirconium oxide blanks



ceraMotion® Z blank HT White

ø 98.3 mm

Highly translucent zirconium oxide for all restorations in the anterior and posterior area, from the single crown to multi-element restorations or implant substructures. Suitable for all open CAD/CAM systems.

Advantages and indications:

- safety due to high strength
- aesthetic restorations possible due to reduced translucency
- suitable for shading
- excellent machinability
- translucency 43 % (non-shaded, 1 mm)
- optimum finishing / veneering with ceraMotion® Zr

Sintering temperature: 1530 °C / 2786 °F

Norm: DIN EN ISO (Type II, class 5), DIN EN ISO 9693

Thickness	Color	REF	Quantity
14 mm	white	272-094-14	1 piece
18 mm	white	272-094-18	1 piece
22 mm	white	272-094-22	1 piece
25 mm	white	272-094-25	1 piece

CE 0483

Technical data

Material	ZrO ₂ 3Y-TZP
Bending strength	1200 MPa
Density	> 6.06 g/cm ³
Radioactivity	< 0.02 Bq/g
Solubility	< 10 µg/cm ²
CTE	10.5 · 10 ⁻⁶ K ⁻¹

The values listed were measured on test samples and are typical for the material. The product properties may, however, deviate from these values depending on the component design and the forming process.

ceraMotion® Z blank White

ø 98.3 mm

High-performance zirconium oxide for all restorations in the anterior and posterior area, multi-element restorations and stable implant substructures. Suitable for all open CAD/CAM systems.

Advantages and indications:

- safety due to high strength
- stump and abutment can be covered due to reduced translucency
- suitable for shading
- excellent machinability
- translucency 39 % (non-shaded, 1 mm)
- optimum finishing / veneering with ceraMotion® Zr

Sintering temperature: 1530 °C / 2786 °F

Norm: DIN EN ISO (Type II, class 5), DIN EN ISO 9693



Thickness	Color	REF	Quantity
14 mm	white	272-098-14	1 piece
18 mm	white	272-098-18	1 piece
22 mm	white	272-098-22	1 piece
25 mm	white	272-098-25	1 piece

CE 0483

Technical data

Material	ZrO ₂ 3Y-TZP-A
Bending strength	1200 MPa
Density	> 6.06 g/cm ³
Radioactivity	< 0.02 Bq/g
Solubility	< 10 µg/cm ²
CTE	10.5 · 10 ⁻⁶ K ⁻¹

The values listed were measured on test samples and are typical for the material. The product properties may, however, deviate from these values depending on the component design and the forming process.

CoCr blanks



remanium® star MD II blank

ø 98.4 mm

Proven CoCr bonding alloy for CAD/CAM milling systems. Optimized casting structure in implant quality.

Advantages:

- proven remanium® star composition
- certified and time-tested base material for all applications in crown and bridge work
- ductility and strength Type 3, DIN EN ISO 22674 suitable for machining
- ideal for ceramic veneering using the conventional CTE range
- highly suitable for secondary parts
- excellent laser weldability

Indication: for all constructions manufactured using milling technique such as crowns, bridges, supra-structures, ceramic bonding with suitable ceramics (e.g. ceraMotion® Me)

Norm: DIN EN ISO 9693, DIN EN ISO 22674 (Type 3)

Thickness	Border	REF	Quantity
8 mm	without	102-750-01	1 piece
10 mm	without	102-751-01	1 piece
12 mm	10 mm	102-752-01	1 piece
13.5 mm	10 mm	102-753-01	1 piece
15 mm	10 mm	102-754-01	1 piece
18 mm	10 mm	102-755-01	1 piece
20 mm	10 mm	102-756-01	1 piece
25 mm	10 mm	102-757-01	1 piece

CE⁰⁴⁸³

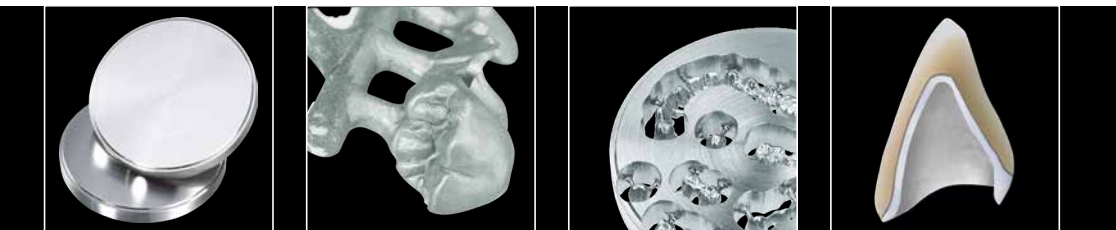
Technical data

0.2% Yield strength $R_{p0.2}$	320 MPa
Tensile strength R_m	506 MPa
Hardness	281 HV 10
Elongation A_5	5.9 %
Modulus of elasticity E	202 GPa
Density	8.5 g/cm ³
CTE 25 °C - 500 °C / 77 °F - 932 °F	14.1 x 10 ⁻⁶ K ⁻¹
Solidus temperature	1320 °C / 2408 °F
Liquidus temperature	1420 °C / 2588 °F

Composition (percentage by mass)

Co	Cr	W	Si
60.5	28.0	9.0	1.5

Additional elements < 1 %: Fe, Mn, N, Nb



rematitan® blank Ti2

Titanium grade 2

Pure titanium blank for all applications in crown and bridge work.

Highly biocompatible and gentle on the tools during milling.

Product advantages:

- high level of biocompatibility.
- ideal for ceramic veneering using bonding ceramics suitable for titanium such as ceraMotion® Ti
- high degree of corrosion resistance
- good milling properties due to low hardness

Indication: for all constructions manufactured using milling technique such as crowns, bridges, supra-structures, ceramic bonding with suitable ceramics

Norm: DIN EN ISO 9693, DIN EN ISO 22674 (Type 4), ISO 5832-2



Thickness	Border	REF	Quantity
10 mm	without	100-202-10	1 piece
12 mm	10 mm	100-202-12	1 piece
15 mm	10 mm	100-202-15	1 piece
20 mm	10 mm	100-202-20	1 piece

CE 0483

Technical data

0.2% Yield strength $R_{p0.2}$	380 MPa
Tensile strength R_m	505 MPa
Hardness	180 HV 10
Elongation A_5	24 %
Modulus of elasticity E	120 GPa
Density	4.5 g/cm ³
CTE 25 °C - 500 °C / 77 °F - 932 °F	$9.6 \times 10^{-6} \text{ K}^{-1}$

Composition (percentage by mass)

Ti
99.3

Additional elements < 1 %: Fe, O



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Titanium blanks



rematitan® blank Ti5

Titanium grade 5

Titanium alloy (Ti Al6 V4) with increased mechanical hardness. Particularly suitable for long-span, delicate framework structures and for implant work.

Product advantages:

- high mechanical strength
- high level of biocompatibility in implant quality
- ideal for ceramic veneering using bonding ceramics suitable for titanium such as ceraMotion® Ti
- high degree of corrosion resistance

Indication: implant supported supra-structures, for all constructions manufactured using milling technique such as crowns, bridges, supra-structures, ceramic bonding with suitable ceramics

Norm: DIN EN ISO 9693, DIN EN ISO 22674 (Type 4), ISO 5832-3

Thickness	Border	REF	Quantity
10 mm	without	100-205-10	1 piece
12 mm	10 mm	100-205-12	1 piece
15 mm	10 mm	100-205-15	1 piece
20 mm	10 mm	100-205-20	1 piece
25 mm	10 mm	100-205-25	1 piece
30 mm	10 mm	100-205-30	1 piece

CE 0483

Technical data

0.2% Yield strength $R_{p0.2}$ 832 MPa

Tensile strength R_m 908 MPa

Hardness 285 HV 10

Elongation A_5 7 %

Modulus of elasticity E 120 GPa

Density 4.3 g/cm³

CTE 25 °C - 500 °C / 77 °F - 932 °F $10.0 \times 10^{-6} \text{ K}^{-1}$

Composition (percentage by mass)

Ti	Al	V
90.0	6.0	4.0

Additional elements < 1 %: Fe, O



StarWax blank blue

ø 98.4 mm

StarWax blank blue is ideal for CAD/Vest cast partial dentures to be cast.

Product advantages:

- tension-free
- high fracture strength
- accurate fit
- residue-free burnout

Indication: wax-ups in crown and bridge technique, stabilizing of wax constructions

Thickness	Border	Color	REF	Quantity
25,0 mm	10 mm	blue	120-235-00	1 piece

Technical data

Dropping point	100 °C - 130 °C / 212 °F - 266 °F
Dichte	0.92 g/cm ³ - 0.97 g/cm ³

**StarWax blank grey**

ø 98.4 mm

StarWax blank grey is ideal for CAD/Vest crowns and bridges to be pressed or cast.

Product advantages:

- residue-free burnout
- high edge strength
- slightly elastic

Indication: wax-ups in crown and bridge technique, stabilizing of wax constructions

Thickness	Border	Color	REF	Quantity
20,0 mm	10 mm	grey	120-230-00	1 piece

Technical data

Dropping point	100 °C - 130 °C / 212 °F - 266 °F
Dichte	0.92 g/cm ³ - 0.97 g/cm ³



Investment material



rema® CAD/Vest

Special investment material for semi-digital CAD/Vest technology (3D printing and milling).

Product advantages:

- very smooth casting results
- easy devesting
- suitable for partial dentures, crowns and bridges
- several partial dentures can be embedded simultaneously
- flexibility in the preheating stage, conventional and speed
- excellent fit

Norm: DIN EN ISO 15912

Type 1, 2

Class 2

Working time	6 min - 8 min
Preheating	consistent preheating, speed preheating
Preheating temperature	850 °C / 1562 °F
Compression resistance	4 MPa
Color	white

REF 105-725-00	20 kg (80 x 250 g)
REF 105-726-00	5 kg



rema® CAD/Vest mixing liquid

Approx. 3000 ml mixing liquid are sufficient for 20 kg investment material.

Caution: Mixing liquid is sensitive to frost!
Please order prior to frost season.

REF 105-728-00	1 l
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remanium® star powder, 10-30 µm

Time-tested, universal dental alloy in powder form with ideal grain size for the laser melting process.

Advantages:

- universal material for common laser melting units
- clinically time-tested dental alloy
- ideal material for crowns and bridges, cast partial dentures and other dental applications
- excellent surfaces and high fitting accuracy

Indication: for additive manufacturing based on cobalt.

It is particularly suitable for the manufacture of fixed and removable restorations, appliances and metal-ceramic frameworks, veneerable using an appropriate veneering ceramic for CoCr alloys (e.g. ceraMotion® Me)

Norm: DIN EN ISO 9693, DIN EN ISO 22674 (Type 5)

Technical data

0.2% Yield strength $R_{p0.2}$	800 MPa
Tensile strength R_m	1170 MPa
Hardness	395 HV 10
Elongation A_5	11 %
Modulus of elasticity E	230 GPa
Density	8.6 g/cm ³
CTE 25 °C - 500 °C / 77 °F - 932 °F	14.4 x 10 ⁻⁶ K ⁻¹
Solidus temperature	1320 °C / 2408 °F
Liquidus temperature	1420 °C / 2588 °F

REF 102-620-70

5 kg

CE 0483

Composition (percentage by mass)

Co	Cr	W	Si
60.5	28.0	9.0	1.5

Additional elements < 1 %: Mn, N, Nb



Powder for laser melting



rematitan® powder, 15-45 µm

Universal titanium-based dental alloy for processing with laser melting machines.

Product advantages:

- compatible with laser melting machines currently on the market
- clinically proven dental alloy
- biocompatible
- suitable for veneering technique

Indication: for additive manufacturing based on titanium.

It is particularly suitable for the manufacture of fixed and removable restorations, appliances and metal-ceramic frameworks, veneering using an appropriate veneering ceramic for titanium alloys (e.g. ceraMotion® Ti)

Norm: DIN EN ISO 9693, DIN EN ISO 22674 (Type 4), ISO 5832-3

Technical data

0.2% Yield strength $R_{p0.2}$	950 MPa
Tensile strength R_m	1005 MPa
Hardness	330 HV 10
Elongation A_5	10 %
Modulus of elasticity E	130 GPa
Density	4.4 g/cm ³
CTE 25 °C - 500 °C / 77 °F - 932 °F	10.1 x 10 ⁻⁶ K ⁻¹
Solidus temperature	1605 °C / 2921 °F
Liquidus temperature	1650 °C / 3002 °F

REF 100-145-00

2.5 kg

CE 0483

Composition (percentage by mass)

Ti	Al	V
90.0	6.0	4.0

Additional elements < 1 %: Fe, O



NEW

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Crowns and bridges.

A wide spectrum for high-quality dental restorations.



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Biocompatible dental restorations.

In addition to the tried-and-trusted remanium® alloys for conventional and digital solutions, there is an increase in the use of ceramic materials for frames and monolithic restorations.

Wide range of products.

Dentaurum Ceramics produces more than 1500 products under the successful umbrella brand ceraMotion®. These include products from all areas of modern all-ceramic restorations – from framework materials such as zirconium oxide (ceraMotion® Z) or lithium disilicate (ceraMotion® LiSi) to the glaze. Metal materials for the framework such as CoCr or titanium remain a core element for the manufacture of frameworks.

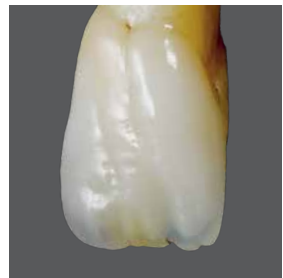


Photo: © Rainer Semsch

remanium® C+B alloys

Non-precious and corrosion resistant.

C+B investment materials

For all types of alloys.

C+B modelling waxes

For all types of applications.

C+B accessories

Accessories for crown and bridgework.

remanium®
star 



One alloy.

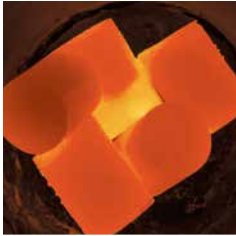
The successful remanium® star formula.

60.5 % Co | 28.0 % Cr | 9.0 % W | 1.5 % Si

Dentaurum's non-precious remanium® casting alloys have been a synonym for quality in prosthetics for decades and have been used millions of times. In order to offer all users of new technologies the possibility to keep processing our well-proven and clinically-tested alloys, our CoCr alloy remanium® star is available in the same quality for three processing technologies.

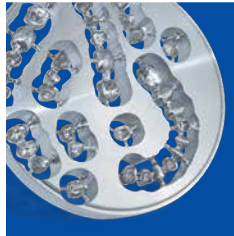
Three processing technologies.

We guarantee the premium quality of remanium® in all three processing technologies.



Casting.

- Excellent melting and flow behavior.
- Correct casting moment visible in high-frequency melting.
- Extremely easy to work with, especially when milling or polishing, due to particularly low hardness.



Milling.

- Premium quality due to optimized casting structure.
- Excellent strength.
- Low hardness and ductility allow easy milling.
- Ideal also for milled secondary parts.



Laser melting.

- Finest powder for homogeneous structure.
- Dense structure.
- Constant material characteristics.
- Most indications possible.
- Compatible with market-leading laser melting machines.

remanium®

C+B alloys: Clinically proven millions of times.

Quality and purity – made in Germany.


The successful remanium® formula.

- Development, manufacture and inspection at Dentaureum in Ispringen, Germany.
- Use of raw materials of the highest level of cleanliness for all remanium® alloys.
- Maximum corrosion resistance and scientifically-proven biocompatibility.
- Excellent bonding strength with veneering ceramics (e.g. ceraMotion® Me).
- Our wealth of experience guarantees absolute reliability and very easy processing.



*The application for the trademark registration of remanium® was filed 30 years after the market launch of the non-precious alloy remanit.

remanium® NiCr alloys at a glance.

	remanium® CSe	remanium® G-soft																		
Characteristics	NiCr bonding alloy type 3 with user-friendly processing properties.	Proven NiCr alloy type 4 for crown and bridgework and composite veneering.																		
Product advantages	<ul style="list-style-type: none"> ■ easy handling due to reduced surface hardness ■ no slow cooling required ■ beryllium-free, biocompatible ■ fast and easy to melt 	<ul style="list-style-type: none"> ■ excellent melting and casting characteristics ■ easy polishing and high lustre ■ high corrosion resistance ■ high strength for delicate frames ■ ideal for melting with a flame 																		
Composition (% by mass)	<table border="1"> <thead> <tr> <th>Ni</th> <th>Cr</th> <th>Mo</th> <th>Si</th> <th>Fe</th> </tr> </thead> <tbody> <tr> <td>60.0</td> <td>26.0</td> <td>11.0</td> <td>1.5</td> <td>1.2</td> </tr> </tbody> </table> <p>Other < 1%</p>	Ni	Cr	Mo	Si	Fe	60.0	26.0	11.0	1.5	1.2	<table border="1"> <thead> <tr> <th>Ni</th> <th>Cr</th> <th>Mo</th> <th>Si</th> </tr> </thead> <tbody> <tr> <td>66.0</td> <td>26.5</td> <td>5.0</td> <td>1.5</td> </tr> </tbody> </table> <p>B, Mn</p>	Ni	Cr	Mo	Si	66.0	26.5	5.0	1.5
Ni	Cr	Mo	Si	Fe																
60.0	26.0	11.0	1.5	1.2																
Ni	Cr	Mo	Si																	
66.0	26.5	5.0	1.5																	
Summary relevant characteristics																				
Oxide firing	no	no																		
Soldering with NiCr solder	REF 102-302-00	REF 102-302-00																		
Laser welding	+++ NiCr welding wire REF 528-220-00	+++ NiCr welding wire REF 528-220-00																		
Investment material	Trivest, Castorit® all speed, Castorit®-super C, rema® CC	Trivest, Castorit® all speed, Castorit®-super C, rema® CC																		
Mechanical properties																				
0.2 % yield strength $R_{p0.2}$	340 MPa	400 MPa																		
Tensile strength R_m	580 MPa	700 MPa																		
Modulus of elasticity E	170 GPa	165 GPa																		
Hardness	195 HV 10	210 HV 10																		
Elongation A_5	15 %	10 %																		
Solidus temperature	1260 °C / 2300 °F	1210 °C / 2210 °F																		
Liquidus temperature	1350 °C / 2462 °F	1340 °C / 2444 °F																		
Density	8.2 g/cm ³	8.2 g/cm ³																		
CTE (25°C - 500°C / 77 °F - 932 °F)	14 x 10 ⁻⁶ K ⁻¹	-																		
Ordering information																				
Availability	50 g REF 102-401-05 1000 g REF 102-403-05	1000 g REF 100-001-00																		
Safety through certified quality  0483																				

Best biocompatibility: Laboratory tests confirm the outstanding corrosion resistance, and tests conducted by independent institutes acknowledge the biological compatibility on the basis of cytotoxicity tests. Please inquire for our certifications. All NiCr crown and bridge alloys are free of beryllium, gallium, indium and copper.

+++ = excellent - = not suitable

remanium® CoCr alloys at a glance.

	remanium® star	remanium® secura																					
Characteristics	Modern bonding alloy type 5 with excellent processing characteristics and low hardness. Suitable for all processing technologies.	CoCr bonding alloy type 5 with maximum reliability potential during processing. Excellent casting behavior, also for vacuum/pressure casting.																					
Product advantages	<ul style="list-style-type: none"> extremely easy to work with, especially when milling or polishing due to the very low hardness for processing technologies such as casting, milling and laser melting excellent veneerability due especially adapted coefficient of thermal expansion no oxide firing required long-term cooling is only recommended for long-span bridges (observe information from ceramics manufacturer) particularly recommended for telescopic work suitable for laser welding since carbon-free 	<ul style="list-style-type: none"> reliable melting and casting characteristics, especially with vacuum/pressure casting, resulting from the narrow melting range small ingots (4 g) allow exact portioning of the alloy: ideal and economical filling of the crucible no danger of spattering or increased slagging high mechanical strength thanks to tantalum-based crystal solidification enhanced firing behavior of the veneering ceramic through low oxidation 																					
Composition (% by mass)	<table border="1"> <thead> <tr> <th>Co</th> <th>Cr</th> <th>W</th> <th>Si</th> </tr> </thead> <tbody> <tr> <td>60.5</td> <td>28.0</td> <td>9.0</td> <td>1.5</td> </tr> </tbody> </table>	Co	Cr	W	Si	60.5	28.0	9.0	1.5	<table border="1"> <thead> <tr> <th>Co</th> <th>Cr</th> <th>W</th> <th>Mo</th> <th>Si</th> <th>Ta</th> </tr> </thead> <tbody> <tr> <td>58.0</td> <td>30.0</td> <td>5.5</td> <td>3.0</td> <td>1.5</td> <td>1.25</td> </tr> </tbody> </table>	Co	Cr	W	Mo	Si	Ta	58.0	30.0	5.5	3.0	1.5	1.25	
Co	Cr	W	Si																				
60.5	28.0	9.0	1.5																				
Co	Cr	W	Mo	Si	Ta																		
58.0	30.0	5.5	3.0	1.5	1.25																		
Other < 1%	Mn, N, Nb	N																					

Summary relevant characteristics

Oxide firing	no	no
Soldering with CoCr solder	REF 102-306-00	REF 102-306-00
Laser welding	+++	+++
Investment material	Trivest, Castorit® all speed, Castorit®-super C, rema® TT, rema® CC	Trivest, Castorit® all speed, Castorit®-super C, rema® TT, rema® CC

Mechanical properties

0.2 % yield strength R _{p0.2}	620 MPa	760 MPa
Tensile strength R _m	845 MPa	940 MPa
Modulus of elasticity E	190 GPa	211 GPa
Hardness	280 HV 10	340 HV 10
Elongation A ₅	10.2 %	5.3 %
Solidus temperature	1320 °C / 2408 °F	1329 °C / 2424 °F
Liquidus temperature	1420 °C / 2588 °F	1385 °C / 2525 °F
Density	8.6 g/cm ³	8.6 g/cm ³
CTE (25 °C - 500 °C / 77 °F - 932 °F)	14.1 x 10 ⁻⁶ K ⁻¹	14.4 x 10 ⁻⁶ K ⁻¹

Ordering information

Availability	50 g REF 102-621-00 250 g REF 102-622-00 1000 g REF 102-620-00	50 g REF 102-631-00 250 g REF 102-632-00 1000 g REF 102-630-00
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Safety through certified quality 0483

Best biocompatibility: Laboratory tests confirm the outstanding corrosion resistance, and tests conducted by independent institutes acknowledge the biological compatibility on the basis of cytotoxicity tests. Please inquire for our certifications. All CoCr crown and bridge alloys are free of beryllium, iron, nickel, gallium, indium and copper.

	remanium® 2000+	remanium® 2001																				
Characteristics	Clinically time-tested CoCr bonding alloy type 5 with low CTE value.	CoCr bonding alloy type 5. Easy processing characteristics.																				
Product advantages	<ul style="list-style-type: none"> ■ exceptionally free-flowing ■ flexibility in casting: can be melted in a high frequency induction casting unit, particularly suited to melting by flame (no spattering) ■ oxide firing is not necessary ■ suitable for laser welding since carbon-free 	<ul style="list-style-type: none"> ■ exceptionally free-flowing ■ flexibility in casting: can be melted in a high frequency induction casting unit, particularly suited to melting by flame (no spattering) ■ increased efficiency: oxide firing is not necessary ■ suitable for laser welding since carbon-free 																				
Composition (% by mass)	<table border="1"> <thead> <tr> <th>Co</th> <th>Cr</th> <th>Mo</th> <th>W</th> <th>Si</th> </tr> </thead> <tbody> <tr> <td>63.0</td> <td>23.0</td> <td>7.0</td> <td>5.0</td> <td>1.5</td> </tr> </tbody> </table>	Co	Cr	Mo	W	Si	63.0	23.0	7.0	5.0	1.5	<table border="1"> <thead> <tr> <th>Co</th> <th>Cr</th> <th>Mo</th> <th>W</th> <th>Si</th> </tr> </thead> <tbody> <tr> <td>63.0</td> <td>23.0</td> <td>7.3</td> <td>4.3</td> <td>1.6</td> </tr> </tbody> </table>	Co	Cr	Mo	W	Si	63.0	23.0	7.3	4.3	1.6
Co	Cr	Mo	W	Si																		
63.0	23.0	7.0	5.0	1.5																		
Co	Cr	Mo	W	Si																		
63.0	23.0	7.3	4.3	1.6																		
Other < 1%	Mn, N	Mn, N																				

Summary relevant characteristics

Oxide firing	no	no
Soldering with CoCr solder	REF 102-306-00	REF 102-306-00
Laser welding	+++	+++
Investment material	Trivest, Castorit® all speed, Castorit®-super C, rema® TT, rema® CC	Trivest, Castorit® all speed, Castorit®-super C, rema® TT, rema® CC

Mechanical properties

0.2 % yield strength $R_{p0.2}$	700 MPa	660 MPa
Tensile strength R_m	900 MPa	850 MPa
Modulus of elasticity E	200 GPa	195 GPa
Hardness	340 HV 10	336 HV 10
Elongation A_5	4.5 %	3.5 %
Solidus temperature	1290 °C / 2354 °F	1325 °C / 2417 °F
Liquidus temperature	1415 °C / 2579 °F	1.415 °C / 2579 °F
Density	8.6 g/cm ³	8.6 g/cm ³
CTE (25°C - 500°C / 77 °F - 932 °F)	14.0 x 10 ⁻⁶ K ⁻¹	14.2 x 10 ⁻⁶ K ⁻¹

Ordering information

Availability	50 g 250 g 1000 g	REF 102-601-10 REF 102-602-10 REF 102-600-10	50 g 1000 g	REF 102-600-02 REF 102-600-01
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Safety through certified quality 0483

+++ = excellent

C+B investment materials.

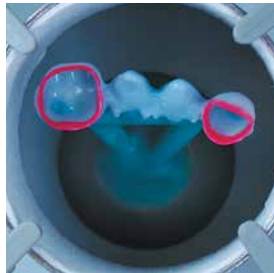
Accurate in precision and handling.

Largest range of investment materials.

Dentaurum covers a large range of investment material. Whether for partial dentures or crown and bridgework, whether for the conventional method or for speed preheating, whether for precious metal alloys, non-precious metal alloys, titanium or press ceramic, Dentaurum, as one of the world's largest manufacturers of investment materials, can offer the right investment for each individual technique.

Batch consistency due to strict controls and final check.

Prior to filling into the proportioned aluminum foil sachets, the quality of the investment material is examined on the basis of dental standards and in accordance with the principles of DIN, EN and ISO norms.



rema[®]
cc 

Universal crown and bridge investment for all indications, alloys and press ceramics.

rema[®]
TT 

Special investment material for telescopic crowns made from non-precious alloys.

Castorit[®]-
all speed

High-expansion, individually controllable speed investment material for all alloys (except titanium).

Castorit[®]-
super C

The "classic" for all non-precious alloys.

Trivest

The crown and bridge investment for non-precious alloys. Excellent control of expansion.

cera[®]motion[®]
press invest

Special investment material for press ceramics. Extremely smooth and dense surfaces, especially when used with lithium disilicate.

Crown and bridge investment materials at a glance.

	rema [®] CC	rema [®] TT	
Characteristics	Universal speed investment for all indications, alloys and press ceramics.	High expansion, special investment material for telescope crowns in non-precious alloys.	
Product advantages	<ul style="list-style-type: none"> ■ a single investment for all applications ■ maximum stability with all preheating techniques ■ precisely targeted expansion control for precious metal alloys, non-precious metal alloys and press ceramics ■ free choice of investment systems (metal ring or ring-free) ■ high accuracy even with long-span bridges 	<ul style="list-style-type: none"> ■ precisely matched to the requirements of telescopic work in combination with non-precious metal alloys ■ accurate expansion control for producing the correct fit and friction ■ very good overall expansion ■ high stability with all sizes of casting rings and preheating techniques ■ high surface smoothness 	
Inlays, onlays (precious metal)	+++	-	
Crowns and bridges	+++	+	
Implant superstructures	+++	+	
Attachment work	+++	+++	
Summary relevant characteristics			
Preheating	<ul style="list-style-type: none"> ■ speed preheating ■ consistent preheating ■ preheating with holding time 	<ul style="list-style-type: none"> ■ speed preheating ■ consistent preheating ■ preheating with holding time 	
Mixing consistency	+++	+++	
Working time	+++	++	
Devesting behavior	+++	++	
Ordering information			
Powder	REF 105-840-00 6 kg (60 x 100 g) REF 105-841-00 6 kg (38 x 160 g)	REF 106-740-00 4 kg (25 x 160 g)	
Mixing liquid	REF 105-845-00 1 l (Standard) REF 105-846-00 1 l (High expansion fluid)	REF 106-707-00 1 l (Standard)	

+++ = very good suitability ++ = good suitability + = limited suitability - = not suitable

	Castorit® all speed	Castorit®-super C	Trivest
Characteristics	High-expansion, individually controllable speed investment material for all alloys (except titanium).	Well-proven, user-friendly precision investment material for CoCr and NiCr alloys.	High-expansion, individually controllable investment material for non-precious metal alloys (except titanium).
Product advantages	<ul style="list-style-type: none"> ■ place into furnace for speed preheating at a final temperature of 950 °C/1742 °F or in stages overnight ■ its high expansion ensures a highly accurate fit ■ long working times and very creamy mixing consistency ■ extremely smooth casting surfaces for a uniform casting quality 	<ul style="list-style-type: none"> ■ high thermal stability and robustness ■ consistent highly accurate fit ■ easy devesting properties ■ creamy mixing consistency 	<ul style="list-style-type: none"> ■ very good control of expansion ■ very good overall expansion ■ easy devesting and sandblasting behavior ■ long working time
Inlays, onlays (precious metal)	++	-	-
Crowns and bridges	+++	+++	+++
Implant superstructures	+++	++	+++
Attachment work	+++	++	+++
Summary relevant characteristics			
Preheating	<ul style="list-style-type: none"> ■ speed preheating ■ consistent preheating ■ preheating with holding time 	<ul style="list-style-type: none"> ■ consistent preheating ■ preheating with holding time 	<ul style="list-style-type: none"> ■ consistent preheating ■ preheating with holding time
Mixing consistency	+++	++	++
Working time	+++	++	++
Devesting behavior	++	+++	+++
Ordering information			
Powder	REF 105-741-00 6 kg (40 x 150 g)	REF 106-721-00 6 kg (40 x 150 g)	REF 106-731-00 6 kg (40 x 150 g)
Mixing liquid	REF 105-745-00 1 l (Standard)	REF 106-704-00 1 l (Standard) REF 105-502-00 1 l (Power Liquid)	REF 106-706-00 1 l (Standard) REF 105-502-00 1 l (Power Liquid)

Crowns and bridges

CoCr alloys



remanium® star

Modern bonding alloy with excellent processing properties and low hardness. Suitable for all processing technologies.

Advantages:

- extremely easy to work with, especially when milling or polishing due to the very low hardness
- for all processing technologies such as casting, milling and laser melting
- excellent melting and flow behavior
- excellent veneerability due to especially adapted coefficient of thermal expansion
- no oxide firing required
- long time cooling is only recommended for long-span bridges (observe information from ceramics manufacturer)
- particularly recommended for telescopic work
- suitable for laser welding because it is carbon free
- flexibility in application: can be melted in a high frequency induction casting unit, particularly suited to melting by flame (so spattering)
- increased efficiency during processing

Indication: crowns and bridges, metal ceramics, double crowns, implant supported supra-structures, Maryland bridges, secondary parts for cast partial dentures (combination works)

Norm: DIN EN ISO 9693, DIN EN ISO 22674 (Type 5)

Technical data

0.2% Yield strength $R_{p0.2}$	620 MPa
Tensile strength R_m	845 MPa
Hardness	280 HV 10
Elongation A_5	10.2 %
Modulus of elasticity E	190 GPa
Density	8.6 g/cm ³
CTE 25 °C - 500 °C / 77 °F - 932 °F	14.1 x 10 ⁻⁶ K ⁻¹
Solidus temperature	1320 °C / 2408 °F
Liquidus temperature	1420 °C / 2588 °F
Weight of casting ingot	6 g

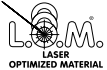
REF 102-621-00	50 g
REF 102-622-00	250 g
REF 102-620-00	1000 g

CE 0483

Composition (percentage by mass)

Co	Cr	W	Si
60.5	28.0	9.0	1.5

Additional elements < 1 %: Mn, N, Nb



remanium® star MD II blank

ø 98.4 mm

Proven CoCr bonding alloy for CAD/CAM milling systems. Optimized casting structure in implant quality.

Advantages:

- proven remanium® star composition
- certified and time-tested base material for all applications in crown and bridge work
- ductility and strength Type 3, DIN EN ISO 22674 suitable for machining
- ideal for ceramic veneering using the conventional CTE range
- highly suitable for secondary parts
- excellent laser weldability

Indication: for all constructions manufactured using milling technique such as crowns, bridges, supra-structures, ceramic bonding with suitable ceramics (e.g. ceraMotion® Me)

Norm: DIN EN ISO 9693, DIN EN ISO 22674 (Type 3)



Thickness	Border	REF	Quantity
8 mm	without	102-750-01	1 piece
10 mm	without	102-751-01	1 piece
12 mm	10 mm	102-752-01	1 piece
13.5 mm	10 mm	102-753-01	1 piece
15 mm	10 mm	102-754-01	1 piece
18 mm	10 mm	102-755-01	1 piece
20 mm	10 mm	102-756-01	1 piece
25 mm	10 mm	102-757-01	1 piece

CE 0483

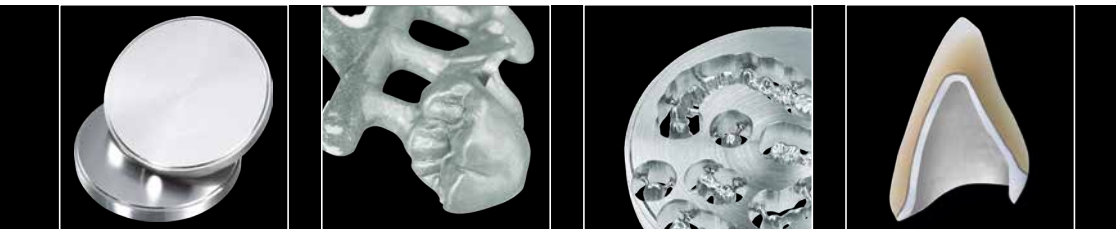
Technical data

0.2% Yield strength $R_{p0.2}$	320 MPa
Tensile strength R_m	506 MPa
Hardness	281 HV 10
Elongation A_5	5.9 %
Modulus of elasticity E	202 GPa
Density	8.5 g/cm ³
CTE 25 °C - 500 °C / 77 °F - 932 °F	14.1 x 10 ⁻⁶ K ⁻¹
Solidus temperature	1320 °C / 2408 °F
Liquidus temperature	1420 °C / 2588 °F

Composition (percentage by mass)

Co	Cr	W	Si
60.5	28.0	9.0	1.5

Additional elements < 1 %: Fe, Mn, N, Nb



CoCr alloys



remanium® secura

CoCr bonding alloy with maximum reliability potential during processing. Excellent casting behavior, including vacuum pressure casting.

Advantages:

- reliable melting and casting characteristics, especially with vacuum/pressure casting, resulting from the narrow melting range
- small ingots (4 g) allow exact dosage of the alloy: ideal and economical filling of the crucible
- no danger of spattering or increased slagging
- high mechanical strength thanks to tantalum-based crystal solidification
- enhanced firing behavior of the veneering ceramics through low oxidation
- polished surface has a radiant lustre due to high chrome content

Indication: crowns and bridges, metal ceramics, double crowns, implant supported supra-structures, Maryland bridges, secondary parts for cast partial dentures (combination works)

Norm: DIN EN ISO 9693, DIN EN ISO 22674 (Type 5)

Technical data

0.2% Yield strength $R_{p0.2}$	760 MPa
Tensile strength R_m	940 MPa
Hardness	340 HV 10
Elongation A_5	5.3 %
Modulus of elasticity E	211 GPa
Density	8.6 g/cm ³
CTE 25 °C - 500 °C / 77 °F - 932 °F	14.4 x 10 ⁻⁶ K ⁻¹
Solidus temperature	1329 °C / 2424.2 °F
Liquidus temperature	1385 °C / 2525 °F
Weight of casting ingot	4 g

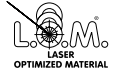
REF 102-631-00	50 g
REF 102-632-00	250 g
REF 102-630-00	1000 g

CE 0483

Composition (percentage by mass)

Co	Cr	W	Mo	Si	Ta
58.0	30.0	5.5	3.0	1.5	1.25

Additional elements < 1 %: N



remanium® 2000+

Clinically proven CoCr bonding alloy with a low CTE value.

Advantages:

- exceptionally low viscosity
- flexibility in casting: can be melt in a high frequency induction casting unit, particularly suited to melting by flame
- increased efficiency
- no oxide firing required
- suitable for laser welding because it is carbon-free

Indication: crowns and bridges, metal ceramics, double crowns, implant supported supra-structures, Maryland bridges, secondary parts for cast partial dentures (combination works)

Norm: DIN EN ISO 9693, DIN EN ISO 22674 (Type 5)

Technical data

0.2% Yield strength $R_{p0.2}$	700 MPa
Tensile strength R_m	900 MPa
Hardness	340 HV 10
Elongation A_5	4,5 %
Modulus of elasticity E	200 GPa
Density	8.6 g/cm ³
CTE 25 °C - 500 °C / 77 °F - 932 °F	14 x 10 ⁻⁶ K ⁻¹
Solidus temperature	1290 °C / 2354 °F
Liquidus temperature	1415 °C / 2579 °F
Weight of casting ingot	6 g

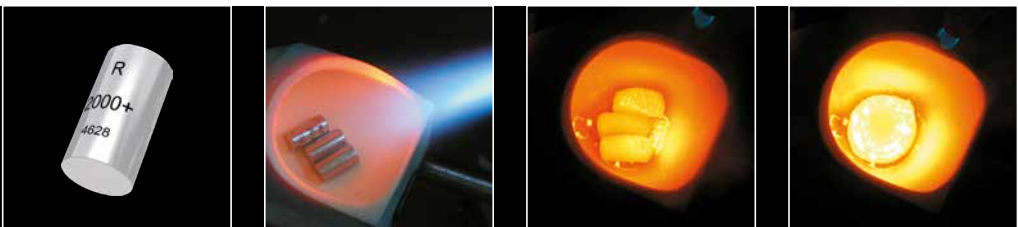
REF 102-601-10	50 g
REF 102-602-10	250 g
REF 102-600-10	1000 g

CE 0483

Composition (percentage by mass)

Co	Cr	Mo	W	Si
63.0	23.0	7.0	5.0	1.5

Additional elements < 1 %: Mn, N



CoCr alloys



remanium® 2001

CoCr bonding alloy. Easy processing properties.

Advantages:

- exceptionally low viscosity
- flexibility in casting: can be melt in a high frequency induction casting unit, particularly suited to melting by flame
- rapid processing: no oxide firing cycle required
- suitable for laser welding because it is carbon-free

Indication: crowns and bridges, metal ceramics, double crowns, Maryland bridges

Norm: DIN EN ISO 9693, DIN EN ISO 22674 (Type 5)

Technical data

0.2% Yield strength $R_{p0.2}$	660 MPa
Tensile strength R_m	850 MPa
Hardness	336 HV 10
Elongation A_5	3,5 %
Modulus of elasticity E	195 GPa
Density	8.6 g/cm ³
CTE 25 °C - 500 °C / 77 °F - 932 °F	14.2 x 10 ⁻⁶ K ⁻¹
Solidus temperature	1325 °C / 2417 °F
Liquidus temperature	1415 °C / 2579 °F
Weight of casting ingot	6 g

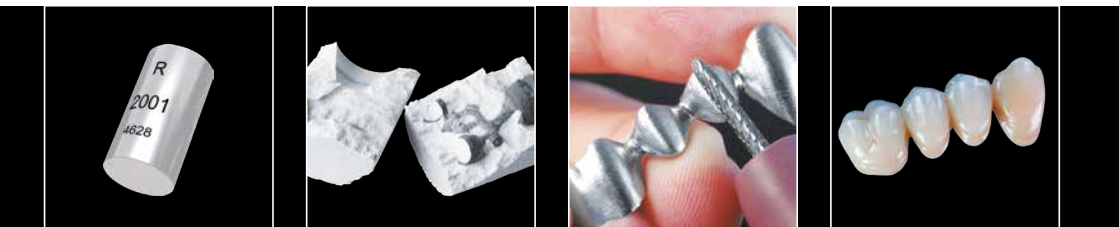
REF 102-600-02	50 g
REF 102-600-01	1000 g

CE 0483

Composition (percentage by mass)

Co	Cr	Mo	W	Si
63.0	23.0	7.3	4.3	1.6

Additional elements < 1 %: Mn, N



remanium® CSe

NiCr bonding alloy with user-friendly processing properties.

Advantages:

- easy handling due to reduced surface hardness
- no slow cooling required
- beryllium free, biocompatible
- fast and easy to melt
- excellent laser weldability

Indication: crowns and bridges, metal ceramics, double crowns, implant supported supra-structures, Maryland bridges

Norm: DIN EN ISO 9693, DIN EN ISO 22674 (Type 3)

Technical data

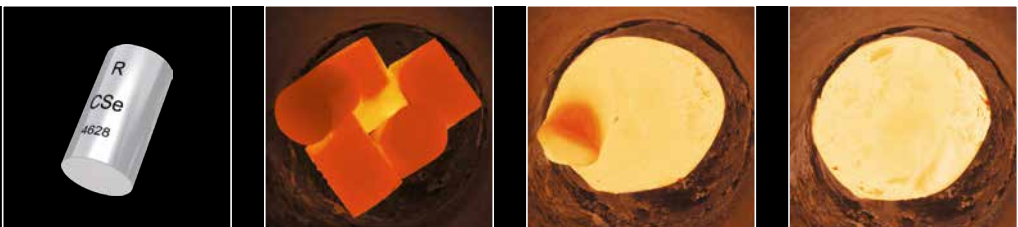
0.2% Yield strength $R_{p0.2}$	340 MPa
Tensile strength R_m	580 MPa
Hardness	195 HV 10
Elongation A_5	15 %
Modulus of elasticity E	170 GPa
Density	8.2 g/cm ³
CTE 25 °C - 500 °C / 77 °F - 932 °F	14 x 10 ⁻⁶ K ⁻¹
Solidus temperature	1260 °C / 2300 °F
Liquidus temperature	1350 °C / 2462 °F
Weight of casting ingot	6 g

REF 102-401-05	50 g
REF 102-403-05	1000 g

CE 0483

Composition (percentage by mass)

Ni	Cr	Mo	Si	Fe
60.0	26.0	11.0	1.5	1.2



NiCr alloys



remanium® G-soft

Proven NiCr alloy for crown and bridge work and composite veneering.

Advantages:

- reliable melting and casting characteristics
- easy polishing and high lustre
- high corrosion resistance
- high strength for delicate frameworks
- ideal for melting with a flame, as it does not spray during melting

Indication: crowns and bridges, double crowns, implant supported supra-structures, Maryland bridges

Norm: DIN EN ISO 22674 (Type 4)

Technical data

0.2% Yield strength $R_{p0.2}$	400 MPa
Tensile strength R_m	700 MPa
Hardness	210 HV 10
Elongation A_5	10 %
Modulus of elasticity E	165 GPa
Density	8.2 g/cm ³
Solidus temperature	1210 °C / 2210 °F
Liquidus temperature	1340 °C / 2444 °F
Weight of casting ingot	6 g

REF 100-001-00	1000 g
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CE 0483

Composition (percentage by mass)

Ni	Cr	Mo	Si
66.0	26.5	5.0	1.5

Additional elements < 1 %: B, Mn



Tritan

Titanium grade 1

Norm: DIN EN ISO 9693, ISO 5832-2, DIN EN ISO 22674 (Type 3)

min. 99.5 % titanium

Good casting properties in casting machines designed specifically for titanium.

Dentaureum provides, under the brandname Tritan, pure titanium in ingots of different sizes which can be used in the titanium casting machines.

Each ingot is marked with the name Tritan, the purity grade and batch number. Thus, Dentaureum ensures that only DIN Standard Tritan titanium of proper purity grade is used for dental castings.

Advantages:

- minimal oxygen content. Very good castability
- 5 different weight units ensure accurate dispensing
- maximum purity

Indication: crowns and bridges, implant supported supra-structures, cast partial dentures



Height ingot	Weight of casting ingot	REF	Quantity
11.8 mm	18 g	100-100-50	250 g
14.3 mm	22 g	100-101-50	500 g
14.3 mm	31 g	100-102-50	500 g
14.3 mm	36 g	100-103-50	500 g
15.8 mm	40 g	100-105-50	500 g

CE 0483

Technical data

0.2% Yield strength $R_{p0.2}$	310 MPa
Tensile strength R_m	400 MPa
Hardness	115 HV 10
Elongation A_5	12 %
Modulus of elasticity E	110 GPa
Density	4.5 g/cm ³
Melting point	1668 °C / 3034.4 °F
CTE 25 °C - 500 °C / 77 °F - 932 °F	9.6 x 10 ⁻⁶ K ⁻¹



Titanium



rematitan® M

Titanium grade 4

Norm: DIN EN ISO 22674 (Type 4), ISO 5832-2

min. 99 % titanium

Dentaurum provides, under the brandname rematitan® M, pure titanium which can be used directly in the Dentaurum casting machines. Each ingot is marked with the name rematitan® M, the purity grade and batch number. Thus, Dentaurum ensures that only DIN Standard rematitan® M titanium of proper purity grade is used for dental castings.

Advantages:

- higher figures in elongation, proof stress and elasticity
- maximum purity

Indication: implant supported supra-structures, particularly suitable for partial dentures

Height ingot	Weight of casting ingot	REF	Quantity
14.3 mm	31 g	100-107-00	1000 g

CE 0483

Technical data

0.2% Yield strength $R_{p0.2}$	600 MPa
Tensile strength R_m	680 MPa
Hardness	230 HV 10
Elongation A_5	3 %
Modulus of elasticity E	120 GPa
Density	4.5 g/cm ³
Melting point	1668 °C / 3034.4 °F



CoCrMo-Sold 1

- pure CoCrMo solder, nickel-free
- corrosion-resistant, no discoloration
- flows easily
- without flux

Area of application:

- all CoCr bonding alloys for presoldering
- all CoCr cast partial denture alloys

Recommended Flux: rema® Flux 1, REF 102-304-00

Norm: DIN EN ISO 9333

Solidus temperature	1110 °C / 2030 °F
Liquidus temperature	1162 °C / 2123.6 °F

REF 102-306-00

3 g

CE⁰⁴⁸³

Composition (percentage by mass)

Co	Cr	Mo	Si	B
69.8	19.0	5.0	5.0	1.2



NiCr-Sold 1

- pure NiCrMo solder
- flows easily
- without flux

Area of application:

- all NiCr bonding alloys for presoldering
- all NiCr alloys for crown and bridge work

Recommended Flux: rema® Flux 1, REF 102-304-00

Norm: DIN EN ISO 9333

Solidus temperature	1115 °C / 2039 °F
Liquidus temperature	1165 °C / 2129 °F

REF 102-302-00

3 g

CE⁰⁴⁸³

Composition (percentage by mass)

Ni	Cr	Mo	Si	B
63.0	19.0	10.0	7.0	1.0



rema® Flux 1

- flux for CoCrMo-Sold 1 and NiCr-Sold 1
- excellent wetting of alloys
- guarantees good flowability of the solder

REF 102-304-00

25 g



Solders and welding wires



White gold solder

- in rods
 - ready fluxed
 - purity: ct 18,6
 - cadmium free
- Not permitted for intra-oral use.

ø	1.0 mm - 1.1 mm
Working temperature	950 °C / 1742 °F

REF 380-600-50	1.6 g
----------------	-------

Composition (percentage by mass)

Au	Ni	Zn
77.0	16.0	6.0



Universal silver solder

- in rods
 - ready fluxed
 - cadmium free
- Not permitted for intra-oral use.

ø	1.0 mm - 1.1 mm
Working temperature	700 °C / 1292 °F

REF 380-604-50	1.2 g
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REF 380-604-60	10 pieces 1.2 g each
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Composition (percentage by mass)

Ag	Zn	Cu
59.0	24.0	16.0



Universal silver solder

- in coils
 - without flux
 - cadmium free
- Not permitted for intra-oral use.

Working temperature	700 °C / 1292 °F
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REF 380-704-50	10 g
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Composition (percentage by mass)

Ag	Zn	Cu
59.0	25.0	16.0



Dentaflux® flux

- universal flux
- for all alloys
- especially for connections between precious and non-precious alloys

REF 681-100-00	50 g
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CoCr welding wire

Various dimensions to be used as a filling soldering wire for all CoCr alloys.

Norm: DIN EN ISO 28319

ø	Length	REF	Quantity
0.25 mm / 10	2 m	528-215-10	1 piece
0.35 mm / 14	2 m	528-210-10	1 piece
0.50 mm / 20	2 m	528-200-10	1 piece

CE 0483

Composition (percentage by mass)

Co	Cr	Mo
65.0	28.0	5.5

Additional elements < 1 %: Mn, N, Si



NiCr welding wire

For laser welding NiCr based alloys. Specifically for high grade alloys such as remanium® CSe and G-soft.

Norm: DIN EN ISO 28319

ø	Length	REF	Quantity
0.50 mm / 20	2 m	528-220-00	1 piece

CE 0483

Composition (percentage by mass)

Ni	Cr	Mo	Nb
63.0	22.0	9.0	3.5

Additional elements < 1 %: Al, Co, Fe, Ti



rematitan® wire on coil

Titanium grade 1

For laser welding of titanium frameworks.

Recommended as filler material for laser welding, e.g. with titanium RPE appliances (Titan hyrax® Maxi – 12).

Norm: DIN EN ISO 28319, DIN EN ISO 5832-2

ø	Length	REF	Quantity
0.40 mm / 16	2 m	528-039-50	1 piece
0.70 mm / 28	2 m	528-040-50	1 piece

CE 0483



Solders and welding wires



rematitan® straight wire

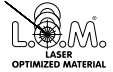
Titanium grade 1

For laser welding.

Norm: DIN EN ISO 28319, DIN EN ISO 5832-2

ø	Length	REF	Quantity
1.00 mm / 39	each 100 mm	528-041-00	10 pieces
1.20 mm / 47	each 100 mm	528-042-00	10 pieces

CE⁰⁴⁸³



rematitan® straight wire

Titanium grade 4

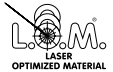
For laser welding.

Recommended for axes of swing locks.

Norm: DIN EN ISO 28319, DIN EN ISO 5832-2

ø	Length	REF	Quantity
1.50 mm / 59	50 mm	528-050-00	1 piece

CE⁰⁴⁸³



rematitan® straight wire

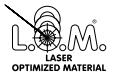
Titanium grade 1

For laser welding.

Norm: DIN EN ISO 28319, DIN EN ISO 5832-2

ø rolled	Length	REF	Quantity
0.50 mm x 1.5 mm / 20 x 59	each 100 mm	528-043-00	10 pieces

CE⁰⁴⁸³



rema® CC

Universal crown and bridge speed investment for all indications, alloys and press ceramics.

Advantages:

- a single investment for all applications
- maximum stability with all preheating techniques
- precisely targeted expansion control for precious metal alloys, non-precious alloys and press ceramics
- free choice of investment systems (metal ring or ringless)
- great reliability of production batches due to extensive testing
- targeted accuracy even with long-span bridges

Norm: DIN EN ISO 15912

Type 1

Class 1, 2

Working time	8 min
Preheating	consistent preheating, preheating with holding time, speed preheating
Preheating temperature	700 °C - 900 °C / 1292 °F - 1652 °F
Compression resistance	3 MPa
Color	white

REF 105-840-00	6 kg (60 x 100 g)
REF 105-841-00	6 kg (38 x 160 g)



rema® CC mixing liquid

Approx. 1000 ml mixing liquid are sufficient for 6 kg investment material.

Caution: Mixing liquid is sensitive to frost!
Please order prior to frost season.

REF 105-845-00	1 l
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rema® CC HE liquid

Special mixing liquid for very high expansion. The liquid can be used when particularly high expansion of the investment is required (e.g. telescopic restorations).

The standard mixing liquid (REF 105-845-00) is used for all other cases.

Caution: Mixing liquid is sensitive to frost!
Please order prior to frost season.

REF 105-846-00	1 l
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Crowns and bridges

Investment materials



rema® TT

Special investment material for telescopic crowns made from non-precious metal alloys.

Advantages:

- exactly suited for the telescopic technique using non-precious metal alloys
- possible to control the fit and friction exactly
- very large overall expansion
- high stability for every size casting ring and type of preheating furnace
- high degree of surface smoothness

Norm: DIN EN ISO 15912

Type 1

Class 1, 2

Working time	4 min - 5 min
Preheating	consistent preheating, preheating with holding time, speed preheating
Preheating temperature	900 °C - 950 °C / 1652 °F - 1742 °F
Compression resistance	9 MPa
Color	green

REF 106-740-00 | 4 kg (25 x 160 g)



rema® TT mixing liquid

Approx. 700 ml mixing liquid are sufficient for 4 kg investment material.

Caution: Mixing liquid is sensitive to frost! Please order prior to frost season.

REF 106-707-00 | 1 l

Castorit® all speed

High-expansion speed investment, individually controllable for all alloys (except titanium).

Advantages:

- casting ring can be placed into the furnace at final temperature (950 °C / 1742 °F) for speed preheating or preheated in stages overnight
- used for all alloy groups
- the high overall expansion provides precision of fit
- long working times and a very creamy mixing consistency
- castings with extremely smooth surfaces ensure uniform quality and exact reproduction of the pattern

Norm: DIN EN ISO 15912

Type 1

Class 1, 2

Working time	6 min - 8 min
Preheating	consistent preheating, preheating with holding time, speed preheating
Preheating temperature	700 °C - 950 °C / 1292 °F - 1742 °F
Compression resistance	9 MPa - 11 MPa
Color	white

REF 105-741-00	6 kg (40 x 150 g)
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Castorit® all speed mixing liquid

Approx. 1000 ml mixing liquid are sufficient for 6 kg investment material.

Caution: Mixing liquid is sensitive to frost!
Please order prior to frost season.

REF 105-745-00	1 l
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Investment materials



Castorit®-super C

Proven user-friendly precision investment for CoCr and NiCr alloys.

Advantages:

- high thermal stability and robustness
- consistent highly accurate fit
- easy devesting behavior
- creamy mixing consistency
- silky smooth casting surfaces

Norm: DIN EN ISO 15912

Type 1

Class 1

Working time	4 min - 5 min
Preheating	consistent preheating, preheating with holding time
Preheating temperature	950 °C / 1742 °F
Compression resistance	3 MPa - 4 MPa
Color	white

REF 106-721-00

6 kg (40 x 150 g)



Castorit®-super C mixing liquid

Approx. 1400 ml mixing liquid are sufficient for 6 kg investment material.

Caution: Mixing liquid is sensitive to frost!
Please order prior to frost season.

REF 106-704-00

1 l

Trivest

High-expansion, individually controllable investment for non-precious metal alloys.

Advantages:

- the expansion can be adjusted
- very high overall expansion
- easy devesting and sandblasting behavior
- long working time

Norm: DIN EN ISO 15912

Type 1

Class 1

Working time	5 min - 6 min
Preheating	consistent preheating, preheating with holding time
Preheating temperature	950 °C / 1742 °F
Compression resistance	3 MPa - 4 MPa
Color	yellow

REF 106-731-00 6 kg (40 x 150 g)



Trivest mixing liquid

Approx. 1200 ml mixing liquid are sufficient for 6 kg investment material.

Caution: Mixing liquid is sensitive to frost!

Please order prior to frost season.

REF 106-706-00 1 l



Power Liquid mixing liquid, concentrate

For rema® Exakt, rema® Exakt F, rema® dynamic S, Castorit®-super C and Trivest.

- reduces transport costs
- expansion can be individually adjusted

Approx. 2000 ml mixing liquid are sufficient for 20 kg investment material.

Approx. 800 ml mixing liquid are sufficient for 6 kg investment material.

Caution: Mixing liquid is sensitive to frost!

Please order prior to frost season.

REF 105-502-00 1 l



Investment materials



ceraMotion® press invest

Investment material for press ceramic.

Advantages:

- smooth and dense surface
- easy devesting
- detailed press results
- flexibility due to optimized processing time
- excellent fit due to control of expansion

Norm: DIN EN ISO 15912

Type 1

Class 1, 2

Working time	8 min - 9 min
Preheating	preheating with holding time, speed preheating
Preheating temperature	850 °C / 1562 °F
Compression resistance	3 MPa - 4 MPa
Color	white

REF 275-010-00

2500 g



ceraMotion® press invest mixing liquid

Mixing liquid for ceraMotion® press invest. Approx. 500 ml mixing liquid are sufficient for 2.5 kg investment material.

Caution: Mixing liquid is sensitive to frost!

Please order prior to frost season.

REF 275-015-00

1 l

Press plunger

ø 12 mm

Reusable aluminium oxide press plunger.
Not suitable for lithium disilicate ingots.

REF 260-365-01

1 piece



Disposable press plunger

ø 12 mm

Disposable investment press plunger for single use.
No time-consuming cleaning of the press plunger.
Not suitable for lithium disilicate ingots.

REF 260-365-05

20 pieces



Disposable press plunger

ø 13 mm

Single-use investment press plunger for tension-free press results. No time-consuming cleaning of the press plunger.
Used with lithium disilicate ceramic (e.g. ceraMotion® LiSi).

REF 260-365-13

20 pieces



Crowns and bridges

Investment materials



rematitan® Plus

Universal titanium investment for all areas.

Advantages:

- suitable for use both in cast partial denture work and the entire range of crown and bridge work
- expansion is controlled using 2 mixing liquids (partial dentures and crowns and bridges)
- prevents the reaction of mould material and molten titanium to a high degree
- use of pure refractory materials

Norm: DIN EN ISO 15912

Type 1, 2

Class 1

Working time	3 min - 4 min
Preheating	preheating with holding time
Preheating temperature	1000 °C / 1832 °F
Compression resistance	5 MPa - 8 MPa
Color	white

REF 107-600-00	20 kg (80 x 250 g)
REF 107-610-00	8 kg (32 x 250 g)



rematitan® Plus mixing liquid for partial denture

Approx. 3200 ml mixing liquid are sufficient for 20 kg investment material.

Caution: Mixing liquid is sensitive to frost!

Please order prior to frost season.

REF 107-601-00	1 l
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rematitan® Plus mixing liquid for crowns and bridges

Approx. 3200 ml mixing liquid are sufficient for 20 kg investment material.

Caution: Mixing liquid is sensitive to frost!

Please order prior to frost season.

REF 107-602-00	1 l
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rematitan® cold model hardener

For hardening rematitan® Plus investment models.

- straightforward handling
- environment friendly product
- for hard, sharp-edged rematitan® Plus refractory models
- improved adhesion of wax profiles

REF 167-305-00	1 l
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StarWax CB modelling wax

Advantages:

- purely organic
- ideal wax-up properties
- short melting range, can be applied optimally in spots or larger surfaces
- highly resilient – no risk of fracturing
- selected colors prevent a tiredness of the eyes
- outstanding carving properties

Color	REF	Quantity
green	120-201-00	50 g
blue	120-208-00	50 g
red	120-207-00	50 g
beige	120-202-00	50 g
grey	120-203-00	50 g
Dentin A1	120-204-00	50 g
Dentin B3	120-205-00	50 g
transparent	120-206-00	50 g



StarWax CB grey contains a very small proportion of inorganic ingredients.

Waxes



StarWax C cervical wax

Advantages:

- ideal base wax for all applications
- optimal accuracy due to minimum shrinkage
- soft, elastic quality
- purely organic

Color	REF	Quantity
red	120-212-00	50 g



StarWax M milling wax

Advantages:

- outstanding milling and carving properties
- highly elastic, reproduces shapes exactly
- smooth surfaces – will not smear
- purely organic

Color	REF	Quantity
blue	120-211-00	50 g



StarWax D dipping wax

Advantages:

- highly elastic – ideal for fabricating uniformly thick wax copings
- granulate for comfortable dosing
- purely organic

Working temperature approx. 90 °C / 194 °F

Color	REF	Quantity
orange	120-213-50	100 g



Special casting wax

according to Gründler

- soft and stress-free
- base wax for the dual-wax technique
- purely organic

Color	REF	Quantity
red	123-800-00	50 g



Sticky wax

- good adhesive effect on all materials
- ideal for the fixation of retentive or support elements, repair and soldering work

Melting point	Color	REF	Quantity
71 °C / 159.8 °F	red	122-300-00	60 g

Wax wire on roll

- for sprues
- two qualities of wax
- smooth surfaces
- easy waxing due to fast solidification
- rigid and stress-free after application

ø	Soft REF (blue)	Standard REF (violet)	Quantity
2.0 mm	111-720-00		250 g
2.5 mm	111-825-00	111-425-00	250 g
3.0 mm	111-830-00	111-430-00	250 g
3.5 mm	111-835-00	111-435-00	250 g
4.0 mm	111-840-00		250 g
5.0 mm	111-850-00	111-450-00	250 g



Wax wire rod

- for retentions etc.
- easily adaptable

ø	Color	REF	Quantity
0.6 mm	blue	111-106-00	12 g
0.8 mm	blue	111-108-00	25 g
0.9 mm	green	111-109-00	25 g
1.0 mm	green	111-110-00	25 g
1.2 mm	green	111-112-00	37 g
1.5 mm	green	111-115-00	50 g
2.0 mm	blue	111-120-00	50 g



Investment systems



Kera-Vlies®

Liner for metal casting rings in the crown and bridge technique.

- Kera-Vlies® is now manufactured in enhanced biological quality.
- It complies with the most stringent regulations of industrial medical guidelines
- free expansion through fleece-like material
- Kera-Vlies® is fire-proof and does not release any toxic fumes
- easier deflasking after casting

Thickness x width	Length	REF	Quantity
1 mm x 50 mm	25 m	127-250-00	1 piece
2 mm x 50 mm	15 m	127-251-00	1 piece



Model and casting ring tongs

- angled jaws give more secure grip for refractory models and casting rings (Sizes 1 / 3 / 6)
- stainless

Length: 36.0 cm

REF 127-410-00	1 piece
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Casting ring

Material: stainless steel

- heat-resistant
- sturdy design

Size	ø	Height	REF	Quantity
1	30 mm	55 mm	106-800-00	1 piece
3	48 mm	55 mm	106-801-00	1 piece
6	65 mm	55 mm	106-802-00	1 piece



Sprue former

Material: highly durable flexible rubber

With metal reinforced base plate.

Size	REF	Quantity
1	106-820-00	1 piece
3	106-821-00	1 piece
6	106-822-00	1 piece



Base D1 – Casting ring base

- universal casting ring base for all casting ring sizes from size 3 up available in crowns and bridges
- ring may also be fixed outside of the casting ring center, individual adaptation of the wax pattern
- rubber base ensures a safe seal

The casting ring is not supplied with the base.

REF 106-825-00	1 piece
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Casting sprue former titanium

Material: acrylic

Application for rematitan®/autocast casting machines.

REF 090-027-00	5 pieces
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Die Lube

Separating agent

REF 112-000-00	50 g
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Application:

Separation of dies made from dental stone, resin, and metal against wax, porcelain and acrylic.

- guarantees easy removal of waxed-up copings etc.
- can be used instead of milling oil
- will not react while duplicating with silicone
- integrated brush in the cap



Folident replacement foil

Thickness	REF	Quantity
0.6 mm	120-131-00	100 pieces
0.1 mm	120-132-00	200 pieces



Conical pins

Accessory for optimum results when laser welding gold to CoCr alloys.

Tip:

For easier laser welding, the pin is affixed to the secondary crown.

The pin is modeled to the denture base and welded to it later.

Color	REF	Quantity
blue	111-901-00	10 pieces



Lubrofilm®

Double function

REF 112-050-00	100 ml
REF 112-051-00	1 l

• Silicone surface tension reducing agent

Allows bubble-free pouring of investment into silicone mould.

• Wax surface tension reducing agent

Reduces surface tension on wax and facilitates investing.



Accessories



Rapidur®

Synthetic dental stone

- extra hard, low expansion
- quick-setting

Application:

suitable for all areas of orthodontics and dental prosthetics

Norm: DIN EN ISO 6873

Class 4

Setting expansion	max. 0.15 %
Working time	min. 3 min
Compression resistance	min. 35 MPa
Setting time	max. 30 min
Color	white

REF 164-450-00

6 kg



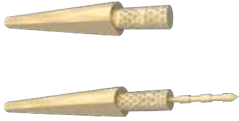
Mixing bowl

For plaster, impression and investment materials, easy to clean.

Capacity	REF	Quantity
400 ml	164-651-00	1 piece
600 ml	164-650-00	1 piece

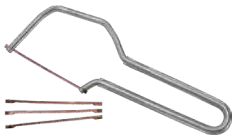
Dowel pin

Brass. Smooth clean surfaces. Conical root portion, bevelled on one side.



Length	Head ø	Type	REF	Quantity
22 mm	2.0 mm	B	319-402-00	100 pieces
28.9 mm		D	319-405-00	1000 pieces

Type D: Medium size (similar to REF 319-402-00) with plunger for direct fixation – without seating device – in the impression due to the special graduation of the plunger.



Saw

For orthodontics / prosthetics.

Small saw with replaceable blades.

Contents:

Saw incl. 3 saw blades

REF 180-702-00

1 piece



Saw blade

For saw.

Length	REF	Quantity
70 mm	180-703-00	5 pieces

All print media are available as PDF downloads at
www.dentaurum-implants.de



conica

 **tiologic**
TWINFIT

platform

IT'S MY CHOICE.



DENTAURUM **ONLINE SHOP**
shop.dentaurum.com





Abutment Switch.
2 connector geometries – 1 implant.

conical



The patented implant system tiologic® TWINFIT offers maximum flexibility from insertion to prosthetic restoration. The decision on which abutment – conical or platform – is best for your patient is yours. This gives you flexibility and the opportunity for individual choices.

- 2 connector geometries on one implant.
- Depth-stop system for situational single use.
- Comprehensive assortment of prosthetics to suit all requirements.
- CAD/CAM, optimized for a flexible, digitized workflow.

platform





Digital workflow.

The patented tioLogic® TWINFIT implant system with all of its components is designed to suit a digital workflow. As your digital partner, Dentaureum places great value on process sequences that are efficient and easy to understand, using materials from us – from scanning through to manufacture. It goes without saying that the sequences can be adapted to suit your individual needs.





Complete solution for the CAD/CAM processes.

tioLogic® DIGITAL. from Dentaaurum Implants provides a coordinated complete solution for CAD/CAM processes on all tioLogic® implants.

The product range includes all data and original components for the fabrication of customized, one-piece abutments, hybrid abutments as well as bar and bridge restorations with CAD/CAM technology using certified materials "MADE IN GERMANY – MADE BY DENTAURUM".

Data sets for all software providers.

Once you have chosen a software provider, the corresponding CAD/CAM data set can be downloaded free of charge. It contains all of the data for each kind of restoration in one complete package:

- Customized one-piece abutments
- Hybrid abutments
- Bar and bridge restorations
- Printed implant models

Original components directly from the manufacturer.

The new scan abutment with HDL coating was specially designed for precise digital recording of the geometry directly on the implant shoulder.

Original tioLogic® CAD/CAM titanium blocks are available for the manufacture of individual one-piece abutments both in-house and off-site in manufacturing centers certified by Dentaaurum Implants.

Certified manufacturing centers as partners.

You haven't yet been able to decide which manufacturing center you would like to work with? Please refer to the website

www.dentaaurum-implants.de/cadcam

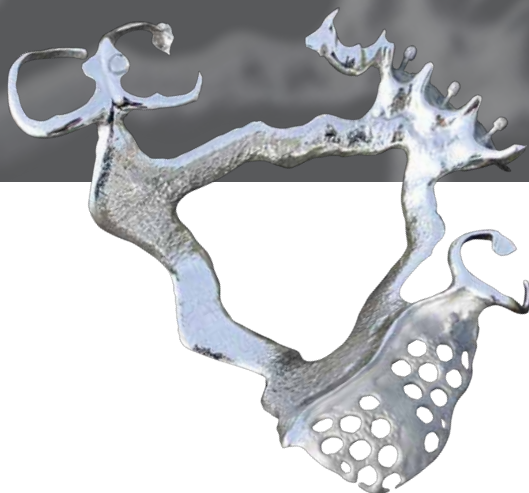


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Partial dentures.

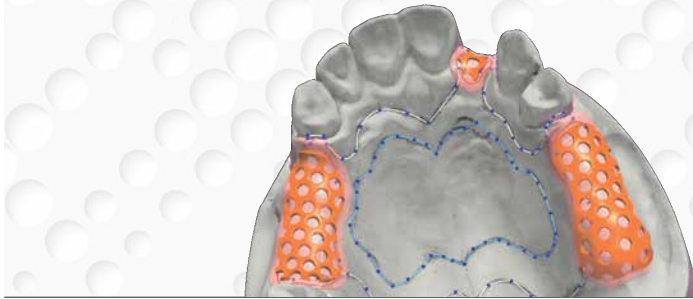
Competence through experience.



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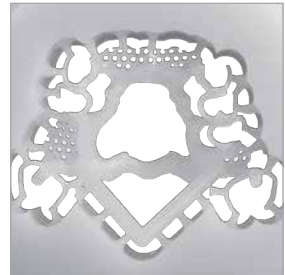
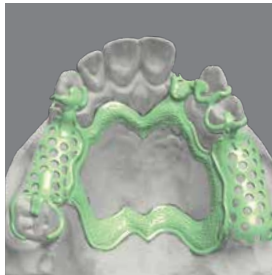


Partial dentures – the digital way.



remanium® for all manufacturing technologies.

Partial dentures can either be cast using the conventional method of duplication or be fabricated using the selective laser melting process. The CAD/Cast process is also a suitable method. The framework is milled from a wax/acrylic blank or plotted for 3D print. Further steps include the conventional techniques of investing and casting.



Coordinated products and processes.

When it comes to partial dentures and their fabrication, Dentaureum has a great deal of know-how covering the whole spectrum, including viable alternatives for the future. Coordinating materials and finding effective processes for them has always been one of the company's strengths. One such development is the use of our remanium® star powder for selective laser melting. Milling blanks made of wax/acrylic, specially developed for the CAD/Vest process, and modified investment materials offer possibilities which can redefine the fabrication of partial dentures.



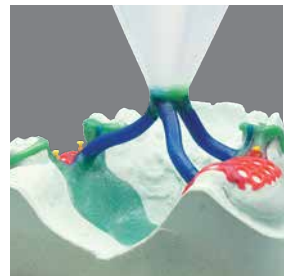


A systematic approach to success.

The expansion values of our investment materials are matched to our remanium® alloys. Important components such as the duplicating materials are incorporated into the system. A whole range of materials and machines completes this partial denture system.

Biocompatible dental restorations.

Alloys, investment materials, waxes and duplicating materials are produced in-house at Dentaaurum in Ispringen under strict quality control. The use of pure raw materials and the thorough examination of each and every batch guarantee the consistently high quality of our products.



Partial denture alloys

For optimum biocompatibility.

Partial denture investment materials

Universal qualities.

Duplicating gels

Impressive duplicating qualities.

Duplicating silicones

For the highest quality standards.

Partial denture – wax assortment

For all types of applications and in all thicknesses.

Partial denture – accessories

From soldering to duplicating moulds and investment systems to funnel formers.

remanium®

Partial denture alloys:

Biocompatible, resistant to corrosion, for universal use.

The superlative from Dentaureum.

Dentaureum has always been renowned for a comprehensive product range with all the materials necessary for fabricating partial denture frameworks. The remanium® partial denture alloys have a high degree of flexibility and set standards for maximum mechanical loading capacity. For this reason partial denture frameworks made of remanium® can be designed to be very thin and delicate.


All Dentaureum partial denture alloys provide:

- Easy castability.
- Prevention of overheating due to mirror effect on melt surface.
- High-gloss surfaces.
- Wide range of indications.

Special advantages:

- remanium® GM 800+ has the highest spring-hardness.
- Easiest processing with the new partial denture alloy remanium® GM 280.

remanium® partial denture alloys at a glance.

	remanium® GM 800 +	remanium® GM 380 +	remanium® GM 900	remanium® GM 280																																		
Characteristics	Extra spring-hard universal alloy with a high yield strength for all types of partial denture work, type 5.	Time-tested, spring-hard alloy for all types of partial denture work, type 5.	Extra spring-hard, modern alloy for all types of partial denture work. Excellent laser welding properties as it is carbon-free, type 5.	Spring hard alloy with reduced hardness for the partial denture technique, type 5.																																		
Product advantages	<ul style="list-style-type: none"> ■ high modulus of elasticity for delicate, yet stable frameworks ■ high fracture resistance due to excellent mechanical properties ■ mirror effect on melt surface ■ high-luster surfaces after electrolytic polishing 	<ul style="list-style-type: none"> ■ mirror effect on melt surface ■ easy preparation and polishing ■ easily activated, high yield strength 	<ul style="list-style-type: none"> ■ harmoniously coordinated, high mechanical parameters ■ easy preparation and polishing due to reduced surface hardness ■ mirror effect indicates the appropriate moment for casting. Prevents overheating of the molten alloy, ensuring smooth clean castings. ■ excellent laser welding properties as it is carbon-free 	<ul style="list-style-type: none"> ■ the low hardness enables easy finishing and polishing ■ high elongation at rupture prevents clasp fractures ■ mirror effect indicates the appropriate moment for casting. Prevents overheating of molten alloy ■ very good laser welding properties 																																		
Composition (% by mass)	<table border="1"> <tr><td>Co</td><td>Cr</td><td>Mo</td><td>W</td><td>Si</td></tr> <tr><td>58.3</td><td>32.0</td><td>6.5</td><td>1.5</td><td>1.0</td></tr> </table>	Co	Cr	Mo	W	Si	58.3	32.0	6.5	1.5	1.0	<table border="1"> <tr><td>Co</td><td>Cr</td><td>Mo</td></tr> <tr><td>64.6</td><td>29.0</td><td>4.5</td></tr> </table>	Co	Cr	Mo	64.6	29.0	4.5	<table border="1"> <tr><td>Co</td><td>Cr</td><td>Mo</td><td>Si</td><td>Ta</td></tr> <tr><td>62.0</td><td>30.0</td><td>5.5</td><td>1.2</td><td>1.2</td></tr> </table>	Co	Cr	Mo	Si	Ta	62.0	30.0	5.5	1.2	1.2	<table border="1"> <tr><td>Co</td><td>Cr</td><td>W</td><td>Si</td></tr> <tr><td>61.0</td><td>28.0</td><td>8.0</td><td>1.5</td></tr> </table>	Co	Cr	W	Si	61.0	28.0	8.0	1.5
Co	Cr	Mo	W	Si																																		
58.3	32.0	6.5	1.5	1.0																																		
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Co	Cr	W	Si																																			
61.0	28.0	8.0	1.5																																			
Other < 1%	C, Mn, N	C, Mn, N, Si	N	Mn, N, Nb																																		
Summary relevant characteristics																																						
Elasticity	extra spring hard	spring hard	extra spring hard	spring hard																																		
Mirror effect	yes	yes	yes	yes																																		
Finishing and polishing	++	++	++	+++																																		
Laser welding	++	++	+++	+++																																		
Soldering with CoCr solder	++ REF 102-306-00	++ REF 102-306-00	++ REF 102-306-00	++ REF 102-306-00																																		
Mechanical properties																																						
0.2 % yield strength $R_{p0.2}$	720 MPa	640 MPa	700 MPa	600 MPa																																		
Tensile strength R_m	960 MPa	900 MPa	910 MPa	845 MPa																																		
Elongation A_5	4 %	6.5 %	5 %	11 %																																		
Hardness	370 HV 10	360 HV 10	340 HV 10	280 HV 10																																		
Modulus of elasticity E	230 GPa	220 GPa	210 GPa	190 GPa																																		
Solidus temperature	1240 °C / 2264 °F	1300 °C / 2372 °F	1360 °C / 2480 °F	1320 °C / 2408 °F																																		
Liquidus temperature	1410 °C / 2570 °F	1370 °C / 2498 °F	1410 °C / 2570 °F	1420 °C / 2588 °F																																		
Density	8.2 g/cm ³	8.2 g/cm ³	8.2 g/cm ³	8.6 g/cm ³																																		
Ordering information																																						
Availability	1000 g REF 102-200-10	1000 g REF 102-001-10	1000 g REF 102-250-00	1000 g REF 102-280-00																																		
Safety through certified quality  0483																																						

Optimum biocompatibility: Laboratory tests confirm the outstanding corrosion resistance, and tests conducted by independent institutes acknowledge the biological compatibility on the basis of cytotoxicity tests. Please inquire for our certifications. All partial denture alloys are free of beryllium, iron, nickel, indium, gallium and copper.

+++ = excellent ++ = very good



Partial denture investment materials:
fast, flexible and with a perfect fit.

Flexibility in preheating.

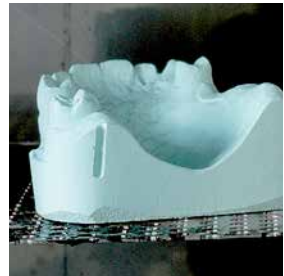
Dentaurum investment materials cover the whole spectrum of the partial denture technique. They can be used for conventional preheating, quick preheating and speed preheating.

The perfect fit.

Whatever Dentaurum investment material you choose, you will always achieve excellent results.

Strict final checks.

Prior to filling into the proportioned aluminum foil bags, the quality of the investment material is examined on the basis of dental technical standards according to DIN and ISO.



rema® partial denture investment materials at a glance.

	rema® CAD/Vest	rema® dynamic S	rema® Exakt F	rema® Exakt
Characteristics	Special investment material for the semi-digital CAD/Vest technology (3D printing and milling)	Universal, quick model casting investment material.	Fine and exact model casting investment material.	Classical, robust model casting investment material.
Product advantages	<ul style="list-style-type: none"> ■ very smooth casting results ■ easy devesting ■ suitable for partial dentures, crowns and bridges ■ several partial dentures can be embedded simultaneously ■ flexibility in preheating stage, conventional and speed heating ■ excellent fit 	<ul style="list-style-type: none"> ■ complete flexibility in the preheating stage <ul style="list-style-type: none"> - speed preheating - reduced quick preheating from 600 °C / 1112 °F - conventional preheating ■ suitable for combination prosthetics <ul style="list-style-type: none"> - impressive fit even with complicated structures ■ universally suitable in all duplicating procedures <ul style="list-style-type: none"> - compatible with duplicating materials silicone and gel ■ excellent fit <ul style="list-style-type: none"> - knife edge stability and smoothness 	<ul style="list-style-type: none"> ■ optimized recipe to increase stability <ul style="list-style-type: none"> - recommended for critical applications such as single restorations ■ very easy, pleasant working <ul style="list-style-type: none"> - pleasant consistency - adequate working time - reduced dust ■ very accurate fit <ul style="list-style-type: none"> - perfectly fitting castings in all areas ■ especially easy devestment <ul style="list-style-type: none"> - very soft devestment and light sandblasting 	<ul style="list-style-type: none"> ■ very uncomplicated to process <ul style="list-style-type: none"> - good results even in extreme laboratory conditions ■ reproducible precision <ul style="list-style-type: none"> - maintains the same high accuracy from casting to casting ■ especially recommended for gel duplications <ul style="list-style-type: none"> - quick setting increases the quality with gel duplications ■ universal processing <ul style="list-style-type: none"> - especially economical due to addition of water
Preheating	<ul style="list-style-type: none"> ■ consistent preheating ■ speed preheating 	<ul style="list-style-type: none"> ■ consistent preheating ■ partial speed preheating ■ speed preheating 	<ul style="list-style-type: none"> ■ consistent preheating ■ preheating with holding time 	<ul style="list-style-type: none"> ■ consistent preheating ■ preheating with holding time
Duplicating gel		+++	+++	+++
Duplicating silicone		+++	+++	+
Mixing consistency	+++	++	+++	+
Model hardness		+++	++	++
Devesting behavior	+++	++	+++	++
Ordering information				
Powder	REF 105-725-00 20 kg (80 x 250 g) REF 105-726-00 5 kg	REF 105-600-50 20 kg (112 x 180 g) REF 105-610-50 20 kg (40 x 500 g) REF 105-609-50 8 kg (16 x 500 g)	REF 105-020-50 20 kg (50 x 400 g) REF 105-021-50 20 kg (100 x 200 g) REF 105-008-50 8 kg (20 x 400 g)	REF 105-020-00 20 kg (50 x 400 g)
Mixing liquid	REF 105-728-00 1 l (Standard)	REF 105-620-50 1 l (Standard) REF 105-623-50 1 l (Speed) REF 105-502-00 1 l (Power Liquid)	REF 105-501-00 1 l (Standard) REF 105-502-00 1 l (Power Liquid)	REF 105-501-00 1 l (Standard) REF 105-502-00 1 l (Power Liquid)

+++ = excellent ++ = very good + = good

Duplicating materials.

Flexible, accurate, economical.

Duplicating silicone – the highest precision.

The quick working time and high elasticity guarantee a high level of working comfort.

Duplicating gel – highly economical.

The high standard of quality means the material can be frequently reused and duplicate models made of investment material or plaster can be fabricated accurately.



Reversible agar duplicating materials at a glance.

	Dublitol®	Duplikat	Dubliform	Dubliplast®	DubliGel
Characteristics	Opaque, high-contrast duplicating gel with properties similar to silicone.	Transparent precision duplicating gel. Suitable for phosphate and binder investments.	Time-tested quality duplicating gel.	Universal quality duplicating gel for plaster and investment materials.	Specialized duplicating gel for duplicate models in plaster.
Product advantages	<ul style="list-style-type: none"> ■ highly crisp details - optimal contrast due to the light-blue, opaque color ■ exceptional tear resistance - high edge strength during removal ■ excellent fit - optimum duplicating results ■ excellent thermal stability - long shelf-life ensures cost-effectiveness ■ does not color plaster models ■ suitable for microwaves 	<ul style="list-style-type: none"> ■ extreme volumetric stability ■ low viscosity ■ no pulling away from metal ■ quick use by adding water ■ ready to use after initial heating 	<ul style="list-style-type: none"> ■ volumetric stability ■ precise duplicate impressions ■ transparent ■ elastic ■ durable ■ low viscosity 	<ul style="list-style-type: none"> ■ high elasticity and tear resistance ■ models can be easily removed from the duplicating material 	<ul style="list-style-type: none"> ■ very clean duplication with all model plasters
Areas of use					
Partial dentures	X	X	X	X	—
Combination technique	X	X	—	—	—
Casting technique with acrylic	X	X	X	X	—
Suitable for duplicate plaster models	—	—	—	X	X
Suitable for partial denture investment material	X	X	X	X	—
Technical data					
Color	opaque, light blue	transparent, yellow	transparent, orange	transparent, violet	pink
Typical, repeated melting cycles (at optimal laboratory conditions)	25	20	15	15	12
Product characteristics					
Elasticity and tear resistance	extremely high	very high	high	high	high
Accuracy of reproduced details	very high	very high	high	high	high
Accuracy of fit	extremely high also for attachments	very high also for attachments	high	high	high
Suitable for microwaves	X	X	X* * please observe extra instructions.	X	X
Ordering information					
Availability	REF 108-610-00 Container (5 kg)	REF 108-600-00 Container (6 kg) REF 108-605-00 Concentrate (3.7 kg)	REF 108-500-00 Container (6 kg) REF 108-550-00 Concentrate (2.9 kg)	REF 165-500-00 Container (5 kg) REF 165-550-00 Concentrate (2.7 kg)	REF 165-501-00 Container (5 kg)

Alloys



remanium® GM 800+

Extra spring-hard universal alloy with a high yield strength for all types of partial denture work.

Advantages:

- fracture resistant due to excellent physical properties
- high modulus of elasticity allows delicate but still rigid constructions
- even less risk of clasp fractures due to increased yield strength
- the right moment for casting is shown when the melt has a mirror-like shine. No overheating of melt results in smooth and clean castings
- high-luster surface after electrolytic polishing
- very good laser welding properties

Indication: cast partial denture and combination technique for rigid constructions with special high firmness

Norm: DIN EN ISO 22674 (Type 5)

Technical data

0.2% Yield strength $R_{p0.2}$	720 MPa
Tensile strength R_m	960 MPa
Hardness	370 HV 10
Elongation A_5	4 %
Modulus of elasticity E	230 GPa
Density	8.2 g/cm ³
Solidus temperature	1240 °C / 2264 °F
Liquidus temperature	1410 °C / 2570 °F
Weight of casting ingot	6 g

REF 102-200-10

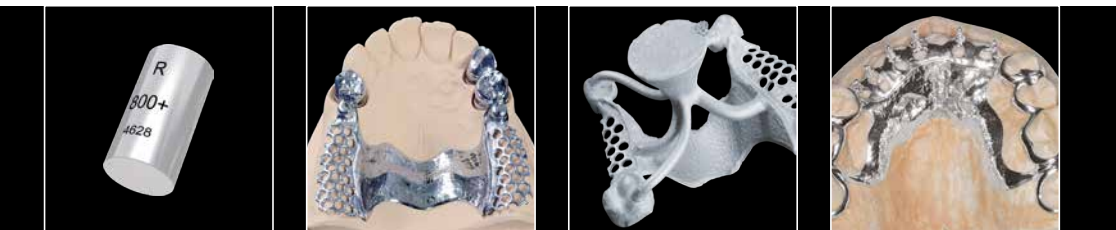
1000 g

CE 0483

Composition (percentage by mass)

Co	Cr	Mo	W	Si
58.3	32.0	6.5	1.5	1.0

Additional elements < 1 %: C, Mn, N



remanium® GM 380+

Time-tested, spring-hard alloy for all types of partial denture work.

Advantages:

- further development of the time-tested remanium® GM 380
- the right moment for casting is shown when the melt has a mirror-like shine. No overheating of melt results in smooth and clean castings
- reduced surface hardness
- easy preparation and polishing
- the high elongation at break value promotes activation

Indication: cast partial denture and combination work technique for standard constructions with high firmness

Norm: DIN EN ISO 22674 (Type 5)

Technical data

0.2% Yield strength $R_{p0.2}$	640 MPa
Tensile strength R_m	900 MPa
Hardness	360 HV 10
Elongation A_5	6.5 %
Modulus of elasticity E	220 GPa
Density	8.2 g/cm ³
Solidus temperature	1300 °C / 2372 °F
Liquidus temperature	1370 °C / 2498 °F
Weight of casting ingot	6 g

REF 102-001-10	1000 g
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CE 0483

Composition (percentage by mass)

Co	Cr	Mo
64.6	29.0	4.5

Additional elements < 1 %: C, Mn, N, Si



Partial dentures

Alloys



remanium® GM 900

Extra spring-hard, modern alloy for all types of partial denture work. Excellent laser welding properties, as it is carbon free.

Advantages:

- harmoniously matched, high mechanical parameters
- easily trimmed and polished due to the reduced surface hardness
- the right moment for casting is shown when the melt has a mirror-like shine. No overheating of melt results in smooth and clean castings
- patented composition based on CoCrMoTa

Indication: cast partial denture and combination work technique for rigid constructions with special increased firmness

Norm: DIN EN ISO 22674 (Type 5)

Technical data

0.2% Yield strength $R_{p0.2}$	700 MPa
Tensile strength R_m	910 MPa
Hardness	340 HV 10
Elongation A_5	5 %
Modulus of elasticity E	210 GPa
Density	8.2 g/cm ³
Solidus temperature	1360 °C / 2480 °F
Liquidus temperature	1410 °C / 2570 °F
Weight of casting ingot	6 g

REF 102-250-00

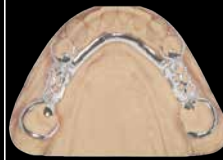
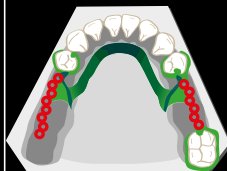
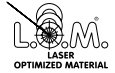
1000 g

CE 0483

Composition (percentage by mass)

Co	Cr	Mo	Si	Ta
62.0	30.0	5.5	1.2	1.2

Additional elements < 1 %: N



remanium® GM 280

Spring hard alloy with reduced hardness for the partial denture technique.

Product advantages:

- the low hardness enables easy finishing and polishing
- high elongation at rupture prevents clasp fractures
- mirror effect indicates the appropriate moment for casting.
Prevents overheating of melt
- very good laser welding properties

Indication: cast partial dentures

Norm: DIN EN ISO 22674 (Type 5)

Technical data

0.2% Yield strength $R_{p0.2}$	600 MPa
Tensile strength R_m	845 MPa
Hardness	280 HV 10
Elongation A_5	11 %
Modulus of elasticity E	190 GPa
Density	8.6 g/cm ³
Solidus temperature	1320 °C / 2408 °F
Liquidus temperature	1420 °C / 2588 °F
Weight of casting ingot	6 g

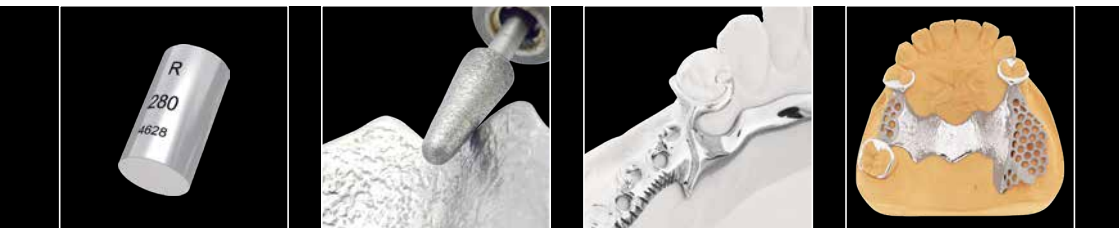
REF 102-280-00	1000 g
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CE 0483

Composition (percentage by mass)

Co	Cr	W	Si
61.0	28.0	8.0	1.5

Additional elements < 1 %: Mn, N, Nb



Titanium



Tritan

Titanium grade 1

Norm: DIN EN ISO 9693, ISO 5832-2, DIN EN ISO 22674 (Type 3)

min. 99.5 % titanium

Good casting properties in casting machines designed specifically for titanium.

Dentaurum provides, under the brandname Tritan, pure titanium in ingots of different sizes which can be used in the titanium casting machines.

Each ingot is marked with the name Tritan, the purity grade and batch number. Thus, Dentaurum ensures that only DIN Standard Tritan titanium of proper purity grade is used for dental castings.

Advantages:

- minimal oxygen content. Very good castability
- 5 different weight units ensure accurate dispensing
- maximum purity

Indication: crowns and bridges, implant supported supra-structures, cast partial dentures

Height ingot	Weight of casting ingot	REF	Quantity
11.8 mm	18 g	100-100-50	250 g
14.3 mm	22 g	100-101-50	500 g
14.3 mm	31 g	100-102-50	500 g
14.3 mm	36 g	100-103-50	500 g
15.8 mm	40 g	100-105-50	500 g

CE 0483

Technical data

0.2% Yield strength $R_{p0.2}$	310 MPa
Tensile strength R_m	400 MPa
Hardness	115 HV 10
Elongation A_5	12 %
Modulus of elasticity E	110 GPa
Density	4.5 g/cm ³
Melting point	1668 °C / 3034.4 °F
CTE 25 °C - 500 °C / 77 °F - 932 °F	$9.6 \times 10^{-6} \text{ K}^{-1}$



rematitan® M

Titanium grade 4

Norm: DIN EN ISO 22674 (Type 4), ISO 5832-2

min. 99 % titanium

Dentaurum provides, under the brandname rematitan® M, pure titanium which can be used directly in the Dentaurum casting machines. Each ingot is marked with the name rematitan® M, the purity grade and batch number. Thus, Dentaurum ensures that only DIN Standard rematitan® M titanium of proper purity grade is used for dental castings.

Advantages:

- higher figures in elongation, proof stress and elasticity
- maximum purity

Indication: implant supported supra-structures, particularly suitable for partial dentures



Height ingot	Weight of casting ingot	REF	Quantity
14.3 mm	31 g	100-107-00	1000 g

CE 0483

Technical data

0.2% Yield strength $R_{p0.2}$	600 MPa
Tensile strength R_m	680 MPa
Hardness	230 HV 10
Elongation A_5	3 %
Modulus of elasticity E	120 GPa
Density	4.5 g/cm ³
Melting point	1668 °C / 3034.4 °F



Partial dentures

Solders and welding wires



CoCrMo-Sold 1

- pure CoCrMo solder, nickel-free
- corrosion-resistant, no discoloration
- flows easily
- without flux

Area of application:

- all CoCr bonding alloys for presoldering
- all CoCr cast partial denture alloys

Recommended Flux: rema® Flux 1, REF 102-304-00
Norm: DIN EN ISO 9333

Solidus temperature	1110 °C / 2030 °F
Liquidus temperature	1162 °C / 2123.6 °F

REF 102-306-00	3 g
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CE 0483

Composition (percentage by mass)

Co	Cr	Mo	Si	B
69.8	19.0	5.0	5.0	1.2



White gold solder

- in rods
 - ready fluxed
 - purity: ct 18,6
 - cadmium free
- Not permitted for intra-oral use.

∅	1.0 mm - 1.1 mm
Working temperature	950 °C / 1742 °F

REF 380-600-50	1.6 g
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Composition (percentage by mass)

Au	Ni	Zn
77.0	16.0	6.0



Universal silver solder

- in rods
 - ready fluxed
 - cadmium free
- Not permitted for intra-oral use.

∅	1.0 mm - 1.1 mm
Working temperature	700 °C / 1292 °F

REF 380-604-50	1.2 g
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REF 380-604-60	10 pieces 1.2 g each
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Composition (percentage by mass)

Ag	Zn	Cu
59.0	24.0	16.0



Universal silver solder

- in coils
 - without flux
 - cadmium free
- Not permitted for intra-oral use.

Working temperature	700 °C / 1292 °F
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REF 380-704-50	10 g
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Composition (percentage by mass)

Ag	Zn	Cu
59.0	25.0	16.0

rema® Flux 1

- flux for CoCrMo-Sold 1 and NiCr-Sold 1
- excellent wetting of alloys
- guarantees good flowability of the solder

REF 102-304-00	25 g
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Dentaflux® flux

- universal flux
- for all alloys
- especially for connections between precious and non-precious alloys

REF 681-100-00	50 g
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Heat protection

Protects metal, plastic and ceramic parts against heat damage during soldering.

REF 380-070-00	100 g
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CoCr welding wire

Various dimensions to be used as a filling soldering wire for all CoCr alloys.

Norm: DIN EN ISO 28319

ø	Length	REF	Quantity
0.25 mm / 10	2 m	528-215-10	1 piece
0.35 mm / 14	2 m	528-210-10	1 piece
0.50 mm / 20	2 m	528-200-10	1 piece



CE 0483

Composition (percentage by mass)

Co	Cr	Mo
65.0	28.0	5.5

Additional elements < 1 %: Mn, N, Si



DENTALURUM
ONLINE
SHOP
shop.dentalurum.com



Partial dentures

Investment materials



rema® CAD/Vest

Special investment material for semi-digital CAD/Vest technology (3D printing and milling).

Product advantages:

- very smooth casting results
- easy devesting
- suitable for partial dentures, crowns and bridges
- several partial dentures can be embedded simultaneously
- flexibility in the preheating stage, conventional and speed
- excellent fit

Norm: DIN EN ISO 15912

Type 1, 2

Class 2

Working time	6 min - 8 min
Preheating	consistent preheating, speed preheating
Preheating temperature	850 °C / 1562 °F
Compression resistance	4 MPa
Color	white

REF 105-725-00	20 kg (80 x 250 g)
REF 105-726-00	5 kg



rema® CAD/Vest mixing liquid

Approx. 3000 ml mixing liquid are sufficient for 20 kg investment material.

Caution: Mixing liquid is sensitive to frost!

Please order prior to frost season.

REF 105-728-00	1 l
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rema® dynamic S

Universal, quick model casting investment material.

Advantages:

- complete flexibility in the preheating stage
 - speed preheating
 - partial speed preheating from 600 °C / 1112 °F
 - conventional preheating
- suitable for combination prosthetics
 - impressive accuracy even with complicated structures
- universally suitable in all duplicating procedures
 - compatible with duplicating materials silicone and gel
- excellent accuracy
 - knife-edge stability and smoothness

Norm: DIN EN ISO 15912

Type 2

Class 1, 2

Working time	3 min - 4 min
Preheating	consistent preheating, partial speed preheating, speed preheating
Preheating temperature	900 °C - 950 °C / 1652 °F - 1742 °F
Compression resistance	12 MPa
Color	green

REF 105-600-50	20 kg (112 x 180 g)
REF 105-610-50	20 kg (40 x 500 g)
REF 105-609-50	8 kg (16 x 500 g)



rema® dynamic S mixing liquid

Approx. 3000 ml mixing liquid are sufficient for 20 kg investment material.

Caution: Mixing liquid is sensitive to frost!

Please order prior to frost season.

REF 105-620-50	1 l
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rema® dynamic S mixing liquid Speed

To be used for speed preheating.

Approx. 3000 ml mixing liquid are sufficient for 20 kg investment material.

Caution: Mixing liquid is sensitive to frost!

Please order prior to frost season.

REF 105-623-50	1 l
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Investment materials



rema® Exakt F

Fine and exact model casting investment material.

Advantages:

- optimized formula for increased stability
 - recommended for critical applications such as single resorations
- very easy, pleasant working
 - fine consistency
 - adequate working time
 - reduced dust
- very high accuracy
 - perfectly fitting castings in all areas
- especially easy devestment
 - very soft devestment and easy sandblasting

Norm: DIN EN ISO 15912

Type 2

Class 1

Working time	3 min - 4 min
Preheating	consistent preheating, preheating with holding time
Preheating temperature	950 °C - 1000 °C / 1742 °F - 1832 °F
Compression resistance	10 MPa - 14 MPa
Color	pink

REF 105-020-50	20 kg (50 x 400 g)
REF 105-021-50	20 kg (100 x 200 g)
REF 105-008-50	8 kg (20 x 400 g)



rema® Exakt, rema® Exakt F mixing liquid

Approx. 3000 ml mixing liquid are sufficient for 20 kg investment material.

Caution: Mixing liquid is sensitive to frost! Please order prior to frost season.

REF 105-501-00	1 l
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rema® Exakt

Classical, robust model casting investment material.

Advantages:

- very uncomplicated operation
 - good results even in extreme laboratory conditions
- reproducible precision
 - maintains the same high accuracy from casting to casting
- especially recommended for gel duplications
 - quick setting increases the quality with gel duplications
- universal procedure
 - especially economical when used with water

Norm: DIN EN ISO 15912

Type 2

Class 1

Working time	3 min - 4 min
Preheating	consistent preheating, preheating with holding time
Preheating temperature	950 °C - 1000 °C / 1742 °F - 1832 °F
Compression resistance	12 MPa - 15 MPa
Color	pink

REF 105-020-00	20 kg (50 x 400 g)
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rema® Exakt, rema® Exakt F mixing liquid

Approx. 3000 ml mixing liquid are sufficient for 20 kg investment material.

Caution: Mixing liquid is sensitive to frost!

Please order prior to frost season.

REF 105-501-00	1 l
----------------	-----



Investment materials



Special tooth-arch concentrate

For the one-piece casting technique.

Caution: Mixing liquid is sensitive to frost!
Please order prior to frost season.

REF 105-621-00

250 ml



Power Liquid mixing liquid, concentrate

For rema® Exakt, rema® Exakt F, rema® dynamic S, Castorit®-super C and Trivest.

- reduces transport costs
 - expansion can be individually adjusted
- Approx. 2000 ml mixing liquid are sufficient for 20 kg investment material.
Approx. 800 ml mixing liquid are sufficient for 6 kg investment material.

Caution: Mixing liquid is sensitive to frost!
Please order prior to frost season.

REF 105-502-00

1 l

rematitan® Plus

Universal titanium investment for all areas.

Advantages:

- suitable for use both in cast partial denture work and the entire range of crown and bridge work
- expansion is controlled using 2 mixing liquids (partial dentures and crowns and bridges)
- prevents the reaction of mould material and molten titanium to a high degree
- use of pure refractory materials

Norm: DIN EN ISO 15912

Type 1, 2

Class 1

Working time	3 min - 4 min
Preheating	preheating with holding time
Preheating temperature	1000 °C / 1832 °F
Compression resistance	5 MPa - 8 MPa
Color	white

REF 107-600-00	20 kg (80 x 250 g)
REF 107-610-00	8 kg (32 x 250 g)



rematitan® Plus mixing liquid for partial denture

Approx. 3200 ml mixing liquid are sufficient for 20 kg investment material.

Caution: Mixing liquid is sensitive to frost!
Please order prior to frost season.

REF 107-601-00	1 l
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rematitan® Plus mixing liquid for crowns and bridges

Approx. 3200 ml mixing liquid are sufficient for 20 kg investment material.

Caution: Mixing liquid is sensitive to frost!
Please order prior to frost season.

REF 107-602-00	1 l
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rematitan® cold model hardener

For hardening rematitan® Plus investment models.

- straightforward handling
- environment friendly product
- for hard, sharp-edged rematitan® Plus refractory models
- improved adhesion of wax profiles

REF 167-305-00	1 l
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Fine investment materials



RK-DUR fine investment

By means of metal oxide in the RK-DUR fine investment, the liquid melt is stimulated to increase the grain formation in the solidification phase. Improves the mechanical properties of CoCrMo alloys.

- improved elongation at rupture, fracture strength, yield strength
- no vacuum investing needed for casting ring
- durable, hard ceramic coating
- produces smooth casting surfaces
- easy application
- easy deinvesting
- long shelf life

Color: blue

REF 104-400-50

150 g



RK 3 fine investment

For coating wax and plastic patterns when using phosphate-based investments, e. g. rema® Exakt. Not suitable for ethyl silicate investments. Ready-to-use.

- no vacuum investing needed for casting ring
- durable, hard ceramic coating
- produces smooth casting surfaces
- easy to agitate
- easy application
- easy deinvesting
- long shelf life

Color: blue

REF 104-501-50

150 g

Dublitolp®

Opaque, high-contrast duplicating gel with properties similar to silicone.

- highly crisp details
 - optimal contrasts due to the light blue, opaque color
- exceptional tear resistance
 - high edge strength during removal
- excellent fit
 - optimum duplicating results
 - excellent thermal stability
 - long shelf life ensures cost-effectiveness
- does not color plaster models
- biodegradable
- smooth surfaces
- suitable for microwaves
- can be melted up to 25 times

Area of application:

- partial dentures
- fixed / removable restorations
- acrylic pouring technique

Color: opaque, light blue

REF 108-610-00

5 kg



Duplicating materials



Dubliform

Time-tested quality duplicating gel.

- volumetric stability
- precise duplicate impressions
- transparent
- elastic
- durable
- low viscosity
- can be melted up to 15 times

Area of application:

- partial dentures
 - acrylic pouring technique
- Color: transparent, orange

REF 108-500-00

6 kg



Dubliform liquid concentrate

Time-tested quality duplicating gel.

- easy processing by only mixing with water
- ready to use after first heat up
- mixing ratio: 1 l gel : 1 l water
- produces 5.4 kg ready-to-use duplicating gel

Area of application:

- partial dentures
 - acrylic pouring technique
- Color: transparent, orange

REF 108-550-00

2.9 kg

Duplikat

Transparent precision duplicating gel. Suitable for phosphate-based and ethyl silicate investments.

- no shrinkage at metal primary parts
- outstanding fit
- smooth metal surfaces
- long shelf life
- can be melted up to 20 times

Area of application:

- partial dentures
- fixed / removable restorations
- acrylic pouring technique

Color: transparent, yellow

REF 108-600-00

6 kg



Duplikat liquid concentrate

Transparent precision duplicating gel. Suitable for phosphate-based and ethyl silicate investments.

- extreme volumetric stability
- low viscosity
- no pulling away from metal
- quick use by adding water
- ready to use after initial heating
- mixing ratio: 1 l gel : 0.5 l water
- produces 5.2 kg ready-to-use duplicating gel

Area of application:

- partial dentures
- fixed / removable restorations
- acrylic pouring technique

Color: transparent, yellow

REF 108-605-00

3.7 kg



Partial dentures

Duplicating materials



Dubliplast®

Universal quality duplicating gel for dental stone and investments.

- high elasticity and tear resistance
- models can be easily removed from the duplicating material
- can be melted up to 15 times

Area of application:

- partial dentures
- acrylic pouring technique
- dental stone duplication

Color: transparent, violet

REF 165-500-00

5 kg



Dubliplast® liquid concentrate

Universal quality duplicating gel for dental stone and investments.

- easy processing by only mixing with water
- ready to use after first heat up
- mixing ratio: 1 l gel : 1 l water
- produces 5.2 kg ready-to-use duplicating gel

Area of application:

- partial dentures
- acrylic pouring technique
- dental stone duplication

Color: transparent, violet

REF 165-550-00

2.7 kg



DubliGel

Specialized duplicating material for secondary model in dental stone.

- very clean duplication with all model dental stones

Area of application:

- dental stone duplication

Color: pink

REF 165-501-00

5 kg

rema® Sil

Additional cross-linked pure silicone for a high standard of quality.

- pure silicone without fillers
 - large quantity 950 ml and 1 kg
 - long storage time
- low level of hardness
 - high degree of accuracy due to free investment expansion
- extremely thin flowing consistency
 - bubble-free impression of detailed structures
- very quick setting time and fast elastic recovery
 - great time saver



Component	Color	REF	Quantity	REF	Quantity
A (catalyst)	white	108-700-00	1 kg	108-710-00	5 kg
B	blue	108-701-00	1 kg	108-711-00	5 kg

Technical data	A (catalyst)	B
Mixing ratio	1 : 1	
Viscosity at 23 °C / 73 °F	1400 mPas	
Density	1060 g/l	1070 g/l
Working time	4 min - 5 min	
Setting time	12 min	
Shore hardness A	10-12	
Elastic memory	99.9 %	

ecosil +

Additional cross-linked two component silicone.

- good color contrast
 - green color prevents mixing errors
- extremely thin flowing consistency
 - highly accurate duplicate reproduction
- long working time
 - can be used to re-cast models many times
- medium Shore hardness A (19)
 - use also with ring-free duplicating systems



Component	Color	REF	Quantity	REF	Quantity
A (catalyst)	yellow	108-703-10	1 kg	108-705-10	5 kg
B	blue	108-704-10	1 kg	108-706-10	5 kg

Technical data	A (catalyst)	B
Mixing ratio	1 : 1	
Viscosity at 23 °C / 73 °F	2000 mPas	
Density	1160 g/l	
Working time	6 min - 8 min	
Setting time	30 min	
Shore hardness A	18-20	
Elastic memory	99.9 %	

Partial dentures

Duplicating materials – accessories



Tap

For 5 kg canister.

REF 108-716-00

1 piece



Sprue former with retention

REF 127-311-00

1 piece



Sprue former

Made from plastic with slide tube for insertion in the duplicating material. Reliable, firm retention.

REF 127-312-00

1 piece



Casting sprue former titanium

Application for rematitan®/autocast casting machines.
Material: acrylic

REF 090-027-00

5 pieces

Siliform duplicating flask

Plastic flask for silicone and reversible duplicating materials.

With the 3 flasks of different heights, various model sizes can be duplicated economically.

Color: clear



Size	Internal height of flask top	REF	Quantity
small	35 mm	127-315-00	1 piece
medium	43 mm	127-316-00	1 piece
large	51 mm	127-317-00	1 piece

rema® Form base, smooth

Fits all Dentaurem duplicating flasks and casting rings (small, medium, large).

REF 127-309-00	1 piece
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Siliform-Set

Plastic flasks for silicone and reversible duplicating materials.

With the 3 flasks of different heights, various model sizes can be duplicated economically.

Internal height of flask top:

small: 35 mm

medium: 43 mm

large: 51 mm

Bases fit all top units.

REF 127-318-00	1 set
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Contents:

1 x Siliform duplicating flask, small	REF 127-315-00
1 x Siliform duplicating flask, medium	REF 127-316-00
1 x Siliform duplicating flask, large	REF 127-317-00
3 x rema® Form base, smooth	REF 127-309-00



Gumex N

Wax-based putty for covering undercut areas on stone models prior to duplication.

- soft, easy to adapt
- no discoloration
- easy removal from model after duplication
- multiple reuse
- good adaptation onto the model

Color: yellow

REF 168-015-50	650 g
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Partial dentures

Duplicating materials – accessories



Septisol

Separating agent with dual function, alcohol-free.

- **Plaster against silicone**

Spray on plaster models prior to silicone duplication.

- **Plaster against plaster**

Spray on plaster model base before mounting in articulator.

REF 108-720-50	100 ml
REF 108-721-50	1 l



Lubrofilm®

Double function

- **Silicone surface tension reducing agent**

Allows bubble-free pouring of investment into silicone mould.

- **Wax surface tension reducing agent**

Reduces surface tension on wax and facilitates investing.

REF 112-050-00	100 ml
REF 112-051-00	1 l



Remadur

Solvent-free cold model hardener for investment models.

- solvent-free
- environmentally friendly
- low viscosity
- no heating of the hardener



REF 167-301-00	1 l
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Cold model hardener

Cold model hardener containing solvent for investment models.

- no heating of the hardener
- low viscosity
- very hard models with a high edge strength

Recommended working container:

cleaned duplicating tube with cover.



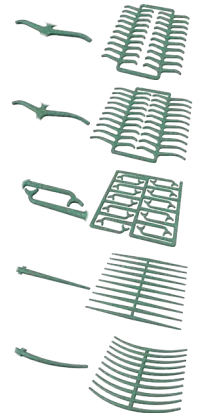
REF 167-215-00	2.3 kg
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Preformed clasp

- excellent adaptability
- outstanding adhesion
- burn out residue-free

Color: green

Designation	Abreviation	REF	Quantity
Premolar clasps	PK	110-001-00	200 pieces
Molar clasps	MK	110-002-00	200 pieces
Bonyhard clasps	TK 1	110-003-00	200 pieces
Ring clasps, straight	RKG	110-013-00	200 pieces
Ring clasps, curved	RK	110-005-00	200 pieces



Waxes

Wax retention

- wide range of different shapes
- excellent adaptability
- outstanding adhesion
- burn out residue-free

Color: red



Designation	Abbreviation	REF	Quantity
Grid, coarse	RN I	110-101-00	20 pieces
Grid, fine	RN II	110-102-00	20 pieces
Grid, round	RN III	110-103-00	20 pieces
Ridge retention	KR	110-006-00	80 pieces
Loop retention, small	PR I	110-011-00	24 pieces
Loop retention, large	PR II	110-012-00	24 pieces
Perforated retention for lower staggered, length 130 mm, width 7 mm	LR	111-216-00	25 pieces
Perforated retention for lower staggered, length 110 mm, width 9 mm	LR I	111-217-00	25 pieces
Perforated retention for lower straight, length 125 mm, width 6 mm	LR II	111-218-00	25 pieces



Wax wire on roll

- for sprues
- two qualities of wax
- smooth surfaces
- easy waxing due to fast solidification
- rigid and stress-free after application



ø	Soft REF (blue)	Standard REF (violet)	Quantity
2.0 mm	111-720-00		250 g
2.5 mm	111-825-00	111-425-00	250 g
3.0 mm	111-830-00	111-430-00	250 g
3.5 mm	111-835-00	111-435-00	250 g
4.0 mm	111-840-00		250 g
5.0 mm	111-850-00	111-450-00	250 g

Wax wire rod

- for retentions etc.
- easily adaptable



ø	Color	REF	Quantity
0.6 mm	blue	111-106-00	12 g
0.8 mm	blue	111-108-00	25 g
0.9 mm	green	111-109-00	25 g
1.0 mm	green	111-110-00	25 g
1.2 mm	green	111-112-00	37 g
1.5 mm	green	111-115-00	50 g
2.0 mm	blue	111-120-00	50 g



Preformed wax bar, half-round

- used for strengtheners
- easily adaptable



ø	Color	REF	Quantity
1.5 mm x 0.75 mm	green	111-301-00	25 g
1.8 mm x 0.9 mm	green	111-303-00	50 g
2.0 mm x 1.0 mm	green	111-304-00	50 g
3.5 mm x 1.75 mm	green	111-306-00	65 g



Preformed wax bar, lingual bar

- easily adaptable



ø	Color	REF	Quantity
4.0 mm x 2.0 mm	green	111-314-00	65 g
4.0 mm x 1.7 mm	green	111-308-00	65 g
4.3 mm x 2.3 mm	green	111-313-00	65 g



Waxes



Preformed wax bar, sprue strips

- easily adaptable

Width x Thickness	Color	REF	Quantity
8.0 mm x 1.8 mm	green	111-311-00	65 g



Preformed wax bar, finishing lines

- easily adaptable

Width x Thickness	Color	REF	Quantity
2.0 mm x 1.0 mm	blue	111-312-00	25 g



Preparation wax

- adhesive
 - Application: relinable saddles
 - soft and transparent
- Dimensions (L x W): 100 mm x 100 mm

Thickness	Color	REF	Quantity
0.3 mm	transparent	120-023-00	32 sheets
0.4 mm	transparent	120-024-00	32 sheets
0.5 mm	transparent	120-025-00	32 sheets
0.65 mm	transparent	120-026-00	32 sheets
0.75 mm	transparent	120-027-00	32 sheets



Relining wax

- Application: relinable saddles
 - soft and transparent
- Dimensions (L x W): 150 mm x 70 mm

Thickness	Color	REF	Quantity
0.4 mm	red	120-104-00	15 sheets
0.5 mm	red	120-105-00	15 sheets
0.6 mm	red	120-106-00	15 sheets
0.7 mm	red	120-107-00	15 sheets

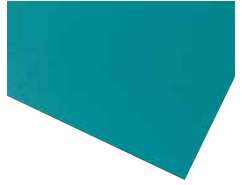
Wax sheet

Surface: plain

- very adaptable quality
- excellent adaptation and adhesion behavior

Dimensions (L x W): 150 mm x 70 mm

Thickness	Color	REF	Quantity
0.2 mm	green	114-420-00	15 sheets
0.25 mm	green	114-425-00	15 sheets
0.3 mm	green	114-430-00	15 sheets
0.35 mm	green	114-435-00	15 sheets
0.4 mm	green	114-440-00	15 sheets
0.5 mm	green	114-450-00	15 sheets
0.6 mm	green	114-460-00	15 sheets
0.7 mm	green	114-470-00	15 sheets
0.8 mm	green	114-480-00	15 sheets
1.0 mm	green	114-500-00	15 sheets



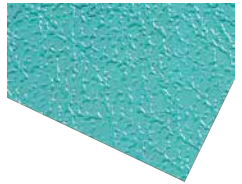
Wax sheet

Surface: fine veined

- the stronger vein and strippled design gives the upper denture a more natural surface structure
- very adaptable quality
- excellent adaptation and adhesion behavior

Dimensions (L x W): 150 mm x 70 mm

Thickness	Color	REF	Quantity
0.35 mm	green	117-035-00	15 sheets
0.4 mm	green	117-040-00	15 sheets
0.45 mm	green	117-045-00	15 sheets
0.5 mm	green	117-050-00	15 sheets
0.6 mm	green	117-060-00	15 sheets



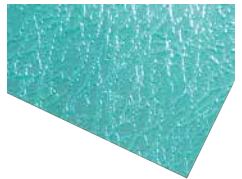
Wax sheet

Surface: medium veined

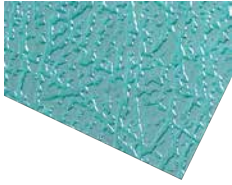
- the stronger vein and strippled design gives the upper denture a more natural surface structure
- very adaptable quality
- excellent adaptation and adhesion behavior

Dimensions (L x W): 150 mm x 70 mm

Thickness	Color	REF	Quantity
0.3 mm	green	117-130-00	15 sheets
0.35 mm	green	117-135-00	15 sheets
0.4 mm	green	117-140-00	15 sheets
0.45 mm	green	117-145-00	15 sheets
0.5 mm	green	117-150-00	15 sheets
0.6 mm	green	117-160-00	15 sheets



Waxes



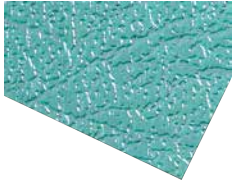
Wax sheet

Surface: coarse veined

- the stronger vein and strippled design gives the upper denture a more natural surface structure
- very adaptable quality
- excellent adaptation and adhesion behavior

Dimensions (L x W): 150 mm x 70 mm

Thickness	Color	REF	Quantity
0.35 mm	green	117-235-00	15 sheets
0.4 mm	green	117-240-00	15 sheets
0.45 mm	green	117-245-00	15 sheets
0.5 mm	green	117-250-00	15 sheets
0.6 mm	green	117-260-00	15 sheets



Wax sheet

Surface: coarse grained

- the stronger vein and strippled design gives the upper denture a more natural surface structure
- very adaptable quality
- excellent adaptation and adhesion behavior

Dimensions (L x W): 150 mm x 70 mm

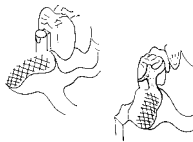
Thickness	Color	REF	Quantity
0.4 mm	green	118-040-00	15 sheets
0.45 mm	green	118-045-00	15 sheets
0.5 mm	green	118-050-00	15 sheets
0.6 mm	green	118-060-00	15 sheets



Joining wax

- for joining prefabricated components in cast partial denture work
- no tendency to smear due to similar hardness as the wax pattern

Melting point	Color	REF	Quantity
74 °C / 165.2 °F	violet	110-301-00	50 g



Blocking-out wax

- for blocking-out in cast partial denture work
- good sculpting properties
- high opacity
- outstanding temperature-resistance

Color	REF	Quantity
pink	110-310-00	50 g

Marking pencil

Wax pencil

Color: white

REF 043-700-00

6 pieces



Wax-Fix

Adhesive for wax- and plastic patterns.

Adheres 100 % to the mode

Application:

- surface of investment materials wet, dry or hardened
- plastic surfaces. Moving of adapted parts is possible

REF 110-210-00

50 ml



Plastic retention

- for direct application to waxing model
- burn out residue-free

Color	REF	Quantity
white	126-221-00	500 pieces
white	126-222-00	500 pieces
white	126-226-00	500 pieces
white	126-231-00	500 pieces
white	126-232-00	500 pieces



REF 126-232-00 retention pins, mixed, large and small



Accessories



rema® Form casting ring

Quick investment system made from impact-resistant plastic.

Size	ø	Height	Color	REF	Quantity
small	71/96 mm	54.5 mm	green	127-306-00	1 piece
medium	80.5/96 mm	54.5 mm	red	127-307-00	1 piece
large	78/96 mm	70 mm	blue	127-308-00	1 piece



rema® Form base, smooth

Fits all Dentaurum duplicating flasks and casting rings (small, medium, large).

REF 127-309-00	1 piece
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rema® Form base with cone

Fits all Dentaurum duplicating flasks and casting rings (small, medium, large).

REF 127-310-00	1 piece
-----------------------	---------



Sprue former with retention

REF 127-311-00	1 piece
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Sprue former

Made from plastic with slide tube for insertion in the duplicating material. Reliable, firm retention.

REF 127-312-00	1 piece
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Lining paper

- corrugated paper
 - continuous roll
- Width: 100 mm

REF 127-010-00	25 m
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Sprue

Residue-free burn out plastic for casting from the top.

REF 110-201-00	100 pieces
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Model and casting ring tongs

- angled jaws give more secure grip for refractory models and casting rings (Sizes 1 / 3 / 6)
- stainless

Length: 36.0 cm

REF 127-410-00	1 piece
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Rapidur®

Synthetic dental stone

- extra hard, low expansion
- quick-setting

Application:

suitable for all areas of orthodontics and dental prosthetics

Norm: DIN EN ISO 6873

Class 4

Setting expansion	max. 0.15 %
Working time	min. 3 min
Compression resistance	min. 35 MPa
Setting time	max. 30 min
Color	white

REF 164-450-00	6 kg
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Mixing bowl

For plaster, impression and investment materials, easy to clean.

Capacity	REF	Quantity
400 ml	164-651-00	1 piece
600 ml	164-650-00	1 piece



Electropolishing solution

For CoCr castings.

- produces a brilliant surface finish
- deep acting, does not leave streaks

REF 128-301-00	1 l
REF 128-401-00	10 l



Measuring beaker universal

Measuring range in 1 ml steps.

Capacity: 60 ml

REF 105-995-00	1 piece
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Separating and grinding discs	Page	236
Grinding points	Page	239
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Diamond burs	Page	245
Mandrels	Page	250
Polishing tools and accessories	Page	251



Finishing.

Coordinated product range.



DENTAUURUM
**ONLINE
SHOP**
shop.dentaurum.com



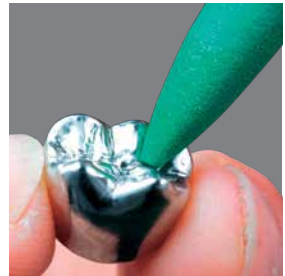


The right cut all around.

Each individual material requires its own special instruments in order to be handled with care. A great variety of diverse instruments such as ceramic bonded burs, tungsten carbide and diamond sintered burs all contribute to economical working procedures.

Finishing and polishing made easy.

Even hard and difficult materials can be easily polished with the correct instruments. Special, individual polishing pastes play an important role.



Supercut separating discs

Maximum cutting efficiency, minimal breakage risk.

Grinding points

Ceramic-bonded grinding points.

Super hard metal burs

Tungsten carbide, precision cut.

Diasint

Sintered diamond burs.

Rubber polisher

High abrasive performance from coarse to fine.

Polishing brushes

From linen to steel.

Polishing pastes

For quick, high shine.

Separating and grinding discs

Supercut ST separating disc

- maximum cutting efficiency
- minimal breakage risk
- excellent strength
- nylon reinforced quality

Color: brown

Recommended speed: 15000 min⁻¹

Maximum speed: 35000 min⁻¹



Thickness	ø	REF	Quantity	REF	Quantity
0.50 mm	40 mm	130-102-00	10 pieces	130-102-40	40 pieces
0.70 mm	40 mm	130-103-00	10 pieces	130-103-40	40 pieces
1.00 mm	40 mm	130-101-00	10 pieces	130-101-40	40 pieces



Supercut separating disc for ceramics

- diamond-coated
- very thin with a thickness of 0.25 mm
- double fibre reinforced
- very flexible
- high durability

Application: ceramics

Color: brown

Recommended speed: 15000 min⁻¹

Maximum speed: 35000 min⁻¹

Thickness	ø	REF	Quantity
0.25 mm	20 mm	130-115-00	10 pieces

Supercut STM separating disc

- maximum cutting efficiency
- minimal breakage risk
- excellent strength
- nylon reinforced quality

Color: brown

Recommended speed: 15000 min⁻¹

Maximum speed: 35000 min⁻¹

Thickness	ø	REF	Quantity	REF	Quantity
0.50 mm	26 mm	130-111-00	20 pieces	130-111-40	40 pieces
1.00 mm	26 mm	130-112-00	20 pieces	130-112-40	40 pieces
0.30 mm	26 mm	130-113-00	20 pieces	130-113-40	40 pieces
0.20 mm	22 mm	130-114-00	20 pieces		



TX separating disc

- maximum cutting efficiency

Application: CoCr alloys, ceramics, precious metal

Color: brown

Recommended speed: 15000 min⁻¹

Maximum speed: 25000 min⁻¹

Thickness	ø	REF	Quantity
0.26 mm	22 mm	130-512-00	100 pieces



Separating and grinding discs

T separating disc

Application: CoCr alloys, precious metal

Color: brown

Recommended speed: 15000 min⁻¹

Maximum speed: 25000 min⁻¹



ISO number coding	Thickness	ø	REF	Quantity
613.900.327.504.250	0.60 mm	25 mm	130-824-00	100 pieces
613.900.327.504.220	0.60 mm	22 mm	130-324-00	100 pieces
613.900.327.504.400	0.75 mm	40 mm	130-137-00	100 pieces
613.900.327.504.340	1.60 mm	34 mm	130-131-00	50 pieces
613.900.327.504.400	1.00 mm	40 mm	130-138-00	100 pieces



Grinding disc

• for fast grinding

Application: metal

Color: brown

Recommended speed: 15000 min⁻¹

Maximum speed: 25000 min⁻¹

ISO number coding	Thickness	ø	REF	Quantity
613.900.327.504.340	3.00 mm	34 mm	130-634-00	25 pieces



Grinding wheel

• extremely rapid grinding action

• aluminum-oxide based, will not contaminate surfaces

Application: all metals, ceramics

Color: white

Recommended speed: 15000 min⁻¹

Maximum speed: 15000 min⁻¹

Thickness	ø	REF	Quantity
3.00 mm	22 mm	131-322-50	100 pieces

Grinding points

Pregrinding media

- for coarse grinding
- ceramic bonded corundum grinding points

Color: brown

Recommended speed: 15000 min⁻¹

Maximum speed: 30000 min⁻¹

ISO number coding	Form	Hardness	Grain size	REF	Quantity
635.104.274.522.130	bullet, long	soft	coarse	134-000-00	12 pieces



Grinding point

- ceramic bonded corundum grinding points
- high durability
- exceptional grinding efficiency

Color: brown

Recommended speed: 30000 min⁻¹ - 40000 min⁻¹

Maximum speed: 60000 min⁻¹

ISO number coding	Form	Hardness	Grain size	REF	Quantity
635.104.107.522.065	cylindrical	soft	coarse	132-201-00	100 pieces
635.104.107.522.050	cylindrical	soft	medium	132-202-00	100 pieces
635.104.173.522.035	conical, (truncated conical)	soft	medium	132-203-00	100 pieces
635.104.027.522.070	inverted conical, concave	soft	medium	132-205-00	100 pieces



Grinding points

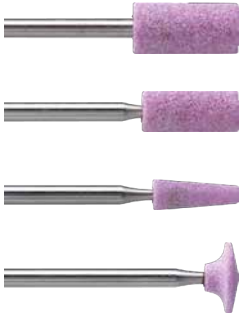
Grinding point

- ceramic bonded corundum grinding points
- high durability
- exceptional grinding efficiency

Color: pink

Recommended speed: 20000 min⁻¹ - 30000 min⁻¹

Maximum speed: 60000 min⁻¹



ISO number coding	Form	Hardness	Grain size	REF	Quantity
625.104.107.523.065	cylindrical	medium	coarse	132-801-00	100 pieces
625.104.107.523.050	cylindrical	medium	coarse	132-802-00	100 pieces
625.104.173.523.035	conical, (truncated conical)	medium	medium	132-803-00	100 pieces
625.104.316.523.085	wheel, inverted conical and conical, proximal concave	medium	medium	132-804-00	100 pieces

Aloxin-Point

- 100 % clean cutting due to pure aluminum oxide
- prevents flaw marks

Application: non-precious ceramic bonding alloys, precious metal reduced ceramic bonding alloys

Color: violet

Maximum speed: 60000 min⁻¹



ISO number coding	Form	Grain size	REF	Quantity
635.104.107.523.050	cylindrical	medium	135-851-00	12 pieces
635.104.199.523.035	conical, domed end	medium	135-852-00	12 pieces
635.104.266.523.060	bud, rounded, long	medium	135-853-00	12 pieces
635.104.197.523.025	conical, domed end	medium	135-855-00	12 pieces



Dressing stone

- for reshaping used grinding points and rubber polishers

Color: grey

ISO number coding	Form	Grain size	REF	Quantity
655.000.600.523.750	grindstone, rectangular shape	medium	137-900-00	2 pieces

**Super hard metal bur and cutter
with cross tothing cut, coarse**

- high precision milled
- best cutting properties

Application: acrylics, cast partial denture

Recommended speed: 20000 min⁻¹ - 25000 min⁻¹

Maximum speed: 50000 min⁻¹

ISO number coding	Form	REF	Quantity
500.104.116.190.023	cylindrical, only side cutting	123-580-00	1 piece
500.104.137.190.023	cylindrical, domed end	123-581-00	1 piece
500.104.292.190.023	torpedo, cylindrical	123-582-00	1 piece
500.104.001.190.023	spherical (round), ø 2.1 mm	123-583-00	1 piece
500.104.274.190.060	bullet	123-584-00	1 piece
500.104.194.190.023	conical, domed end	123-585-00	1 piece



**Super hard metal bur
with cross tothing cut, fine**

Application: crowns and bridges, cast partial denture

Recommended speed: 25000 min⁻¹ - 30000 min⁻¹

Maximum speed: 50000 min⁻¹

ISO number coding	Form	REF	Quantity
500.104.116.140.023	cylindrical, only side cutting	123-586-00	1 piece
500.104.292.140.023	torpedo, cylindrical	123-588-00	1 piece
500.104.274.140.060	bullet	123-590-00	1 piece
500.104.194.140.023	conical, domed end	123-591-00	1 piece



Burs and cutters

Super hard metal bur

with cross tothing cut, super fine

Application: crowns and bridges

Recommended speed: 35000 min⁻¹ - 40000 min⁻¹

Maximum speed: 50000 min⁻¹



ISO number coding	Form	REF	Quantity
500.104.137.110.023	cylindrical, domed end	123-592-00	1 piece
500.104.194.110.023	conical, domed end	123-593-00	1 piece

Hard metal bur

drilltoothed, straight

- superior cutting properties

- high durability

Recommended speed: 25000 min⁻¹ - 30000 min⁻¹

Maximum speed: 100000 min⁻¹



ISO number coding	Form	REF	Quantity
500.104.001.001.006	spherical (round), ø 0.6 mm	123-600-00	1 piece
500.104.001.001.008	spherical (round), ø 0.8 mm	123-601-00	1 piece
500.104.001.001.023	spherical (round), ø 2.3 mm	123-602-00	1 piece

Hard metal bur

Application: all alloys, very good with titanium (low pressing force)

Maximum speed: 15000 min⁻¹

ISO number coding	Size	Form	REF	Quantity
500.104.196.154.010	mini	conical, domed end	123-610-00	5 pieces
500.104.198.154.023	midi	conical, domed end	123-611-00	1 piece
500.104.263.154.040	maxi	bud, rounded, slender	123-612-00	1 piece
500.104.194.154.040	maxi plus	conical, domed end	123-613-00	1 piece



Super hard metal bur

with cross tothing cut, coarse

- high precision milled
- best cutting properties

Application: plaster, acrylics

Recommended speed: 15000 min⁻¹ - 20000 min⁻¹

Maximum speed: 30000 min⁻¹

ISO number coding	Form	REF	Quantity
500.104.263.190.070	bud, rounded, slender	180-308-00	1 piece



Super hard metal bur

with cross tothing cut, coarse

- high precision milled
- best cutting properties

Application: plaster, acrylics

Recommended speed: 20000 min⁻¹ - 25000 min⁻¹

Maximum speed: 30000 min⁻¹

ISO number coding	Form	REF	Quantity
500.104.237.220.060	pear	123-594-00	1 piece
500.104.194.220.060	conical, domed end	123-596-00	1 piece



Burs and cutters

Super hard metal bur

with mill tothing cut, wound right

- tungsten carbide
- precision cut
- best cutting properties

Application: CoCr alloys, acrylics

Recommended speed: 20000 min⁻¹ - 25000 min⁻¹

Maximum speed: 30000 min⁻¹



ISO number coding	Form	REF	Quantity
500.104.274.175.060	bullet	123-597-00	1 piece
500.104.194.175.045	conical, domed end	123-598-00	1 piece

Bur for acrylics

with mill tothing cut, straight

- cutting properties

Application: acrylics

Maximum speed: 15000 min⁻¹



ISO number coding	Size	Form	REF	Quantity
310.104.266.171.040	small	bud, rounded, long	180-201-00	1 piece
310.104.266.171.050	medium	bud, rounded, long	180-202-00	1 piece
310.104.260.171.070	medium	bud, rounded	180-304-00	1 piece
310.104.260.171.080	large	bud, rounded	180-305-00	1 piece

Diasint

- sintered diamond burs
- extremely long working life compared to electroplated diamond burs
- metallic bond prevents fragmentation
- careful selection of grain sizes results in superior cutting action

Application: non-precious ceramic bonding alloys, precious metal alloys, ceramics, acrylics, cast partial denture alloys

Recommended speed: 30000 min⁻¹

Maximum speed: 50000 min⁻¹

ISO number coding	Size	Form	REF	Quantity
807.107.197.524.021	small	conical, domed end	137-820-00	1 piece
807.104.166.524.031	small	conical pointed, slender	137-821-00	1 piece
807.104.111.524.023	small	cylindrical, front and side cutting	137-822-00	1 piece
807.104.172.524.031	small	conical, (truncated conical)	137-823-00	1 piece
807.104.198.524.031	small	conical, domed end	137-824-00	1 piece
807.104.141.524.027	small	cylindrical, domed end	137-825-00	1 piece
807.104.012.524.016	small	inverted conical	137-829-00	1 piece
807.104.012.524.027	medium	inverted conical	137-830-00	1 piece



Diamond burs

Diasint

- sintered diamond burs
- extremely long working life compared to electroplated diamond burs
- metallic bond prevents fragmentation
- careful selection of grain sizes results in superior cutting action

Application: non-precious ceramic bonding alloys, precious metal alloys, ceramics, acrylics, cast partial denture alloys

Recommended speed: 20000 min⁻¹

Maximum speed: 35000 min⁻¹



ISO number coding	Size	Form	REF	Quantity
807.104.167.524.050	large	conical pointed, slender	137-826-00	1 piece
807.104.200.524.050	large	conical, domed end	137-827-00	1 piece
807.104.143.524.050	large	cylindrical, domed end	137-828-00	1 piece
807.104.012.524.047	large	inverted conical	137-831-00	1 piece



Diasint diamond disc

- sintered on both sides to 2 mm

Application: ceramics

Maximum speed: 10000 min⁻¹

ISO number coding	Grain size	Thickness	ø	REF	Quantity
806.104.354.514.210	50 µm (fine)	0.16 mm	21 mm	137-850-00	1 piece



Diasint diamond disc, rigid

- sintered on both sides to 2 mm

Application: non-precious alloys, precious metal alloys

Maximum speed: 10000 min⁻¹

ISO number coding	Grain size	Thickness	ø	REF	Quantity
806.104.354.524.200	75 µm	0.19 mm	21 mm	137-855-00	1 piece

Diamond burs

Diasint diamond disc, rigid

- fully sintered

Application: non-precious alloys (not for ceramic bonding alloys)

Maximum speed: 10000 min⁻¹

ISO number coding	Grain size	Thickness	ø	REF	Quantity
807.104.327.534.210	180 µm	0.40 mm	22 mm	137-856-00	1 piece



Diamond disc

- super flexible
- coated on both sides

Application: ceramics, acrylics, metal

Recommended speed: 10000 min⁻¹

Maximum speed: 15000 min⁻¹

ISO number coding	Grain size	Thickness	ø	REF	Quantity
806.104.355.504.220	extra fine	0.15 mm	22 mm	137-807-00	1 piece



Diamond cleaning stone

For the rapid cleaning of sintered diamond burs and discs.

REF 137-810-00	1 piece
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Diasint Zr universal

Diamond bur

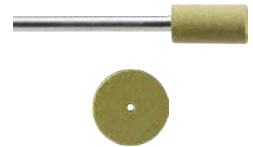
- particularly efficient for use with zirconium oxide
- universal application for all ceramics
- excellent price-performance ratio

Application: all ceramics, ZrO₂ structure

Recommended speed: 5000 min⁻¹

Maximum speed: 7000 min⁻¹

ISO number coding	Form	ø	REF	Quantity
802.104.107.520.060	cylindrical	6 mm	137-846-00	1 piece
802.104.327.520.200	disc	20 mm	137-847-00	1 piece



Diamond burs



Diasint Zr super

Sinter diamond trimmer

- organic binder
- for coarse grinding and contouring
- does not leave rough surface or overheat

Application: ZrO₂ structure

Recommended speed: 5000 min⁻¹

Maximum speed: 7000 min⁻¹

Form	REF	Quantity
knife-edge	137-841-00	1 piece



Diasint Zr medium

Diamond trimmer

- synthetic binder
- for easier removal and trimming
- optimal surface conditioning
- does not leave rough surface or overheat

Application: ZrO₂ structure

Recommended speed: 5000 min⁻¹

Maximum speed: 7000 min⁻¹

ISO number coding	Form	REF	Quantity
805.104.042.534.150	wheel	137-842-00	1 piece



Diasint Zr fine

Diamond trimmer

- synthetic binder
- for easier removal and trimming
- optimal surface conditioning
- does not leave rough surface or overheat

Application: ZrO₂ structure

Recommended speed: 5000 min⁻¹

Maximum speed: 7000 min⁻¹

ISO number coding	Form	REF	Quantity
805.104.014.524.115	inverted conical	137-843-00	1 piece



Diasint Zr soft

diamond-impregnated disc

- especially suitable for working on margins
- does not overheat

Application: all ceramics, ZrO₂ structure

Recommended speed: 5000 min⁻¹

Maximum speed: 7000 min⁻¹

ISO number coding	Form	REF	Quantity
802.104.373.523.250	disc	137-844-00	1 piece

Diasint Zr set

Application: ZrO₂ structure
 Recommended speed: 5000 min⁻¹
 Maximum speed: 7000 min⁻¹

REF 137-840-00	1 set
Contents:	
1 x Diasint Zr super	REF 137-841-00
1 x Diasint Zr medium	REF 137-842-00
1 x Diasint Zr fine	REF 137-843-00
1 x Diasint Zr soft	REF 137-844-00



Sintered diamond

Application: ceramics
 Recommended speed: 10000 min⁻¹
 Maximum speed: 20000 min⁻¹

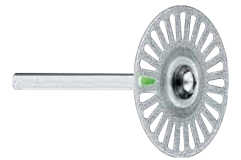
ISO number coding	Abbreviation	Form	Grain size	REF	Quantity
807.104.173.513.030	Sidio I	conical, (truncated conical)	fine	260-803-01	1 piece
807.104.027.513.027	Sidio II	inverted conical, concave, front and side cutting	fine	260-803-02	1 piece
807.104.257.513.030	Sidio III	bud, slender	fine	260-803-03	1 piece
807.104.161.513.025	Sidio IV	conical, pointed	fine	260-803-04	1 piece



Diamond disc Highflex

Application: ceramics
 Recommended speed: 3000 min⁻¹
 Maximum speed: 5000 min⁻¹

ISO number coding	Form	REF	Quantity
806.104.402.504.220	disc, very thin, perforated, circumference cutting from front and back	260-804-02	1 piece



Diamond disc Dia-Miniflex

Application: ceramics
 Recommended speed: 5000 min⁻¹
 Maximum speed: 10000 min⁻¹

ISO number coding	Form	REF	Quantity
806.104.355.504.090	disc, very thin, circumference and edge cutting	260-804-01	1 piece



Mandrels

Mandrel



Version	Maximum speed	REF	Quantity
for discs and lens	20000 min ⁻¹	139-300-00	10 pieces
for cylinders	10000 min ⁻¹	139-100-00	10 pieces
for separating discs	30000 min ⁻¹	139-301-00	10 pieces
for emery cloth	16000 min ⁻¹	139-500-00	10 pieces



Emery cloth

Grain size	Width	REF	Quantity
120 = fine	15 mm	140-015-00	25 m
500 = very fine	15 mm	140-016-00	25 m

Silichrom polisher

- unmounted
- faster cutting action than standard rubber polisher
- rapid trimming
- less grinding dust
- pressureless polishing
- minimal heat generation

Application: CoCr alloys

ISO number coding	Form	Grain size	REF	Quantity
618.900.114.533.070	cylindrical, front and side cutting	coarse	138-645-00	100 pieces
618.900.372.533.220	disc	coarse	138-640-00	100 pieces



Rubber polisher

- abrasive performance medium – coarse

Application: non-precious alloys

Color: black

ISO number coding	Form	ø	REF	Quantity
653.900.372.545.220	disc	22 mm	138-103-00	100 pieces
653.900.114.545.070	cylindrical, front and side cutting	7 mm	138-303-00	100 pieces



Rubber polisher

- abrasive performance medium

Application: non-precious alloys, titanium

Color: grey

ISO number coding	Form	ø	REF	Quantity
653.900.372.524.220	disc	22 mm	138-102-00	100 pieces
653.900.114.524.070	cylindrical, front and side cutting	7 mm	138-302-00	100 pieces



Polishing tools and accessories

Rubber polisher

- abrasive performance fine

Application: non-precious alloys, precious metal alloys

Color: green



ISO number coding	Form	ø	REF	Quantity
653.900.372.525.220	disc	22 mm	138-101-00	100 pieces
653.900.114.525.070	cylindrical, front and side cutting	7 mm	138-301-00	100 pieces
653.900.303.525.220	knife-edge	22 mm	138-501-00	100 pieces

Rubber polisher

- abrasive performance very fine

Application: precious metal alloys, ceramics, titanium

Color: red



ISO number coding	Form	ø	REF	Quantity
653.900.372.513.220	disc	22 mm	138-601-00	100 pieces
653.900.114.513.070	cylindrical, front and side cutting	7 mm	138-602-00	100 pieces
653.900.303.513.220	knife-edge	22 mm	138-603-00	100 pieces



Rubber polishing point, mounted

For demanding preparation techniques.

- centralized, steady design
- intensive rapid surface finishing

Application: non-precious alloys, titanium

Color: black

ISO number coding	Form	Grain size	REF	Quantity
653.104.292.525.050	torpedo, cylindrical	fine	138-605-00	12 pieces

Rubber polishing point, mounted

For demanding preparation techniques.

- centralized, steady design
- silky smooth surface polish

Application: non-precious alloys, precious metal alloys

Color: green



ISO number coding	Form	REF	Quantity
653.104.292.525.050	torpedo, cylindrical	138-606-00	12 pieces

Silicon polisher

- non-damaging to metal parts, clasps

Application: orthodontics appliances, pre-polishing of prosthetic acrylics

Recommended speed: 5000 min⁻¹ - 7000 min⁻¹

Maximum speed: 15000 min⁻¹



ISO number coding	Form	REF	Quantity
658.104.275.523.100	torpedo	138-623-00	10 pieces

Polishing brush

Short Chungking bristles, for polishing machines.

Application: orthodontics, crowns and bridges, cast partial denture

Maximum speed: 6000 min⁻¹

Number of brush ranges	ø	REF	Quantity
2	60 mm	141-711-00	10 pieces
3	60 mm	141-712-00	10 pieces



Polishing brush

For polishing machines.

Application: orthodontics, crowns and bridges, plastic prosthetics, cast partial denture

Maximum speed: 2800 min⁻¹

ø	REF	Quantity	REF	Quantity
50 mm	141-700-00	1 piece	141-700-10	10 pieces



Polishing brush

Combination Chungking bristles / cotton, for polishing machines.

Application: orthodontics, crowns and bridges, plastic prosthetics

Maximum speed: 1500 min⁻¹

ø	REF	Quantity
80 mm	141-710-00	1 piece



NEW

Polishing tools and accessories



Brush, stainless steel

- stainless, for polishing machines

Application: crowns and bridges, cast partial denture

Recommended speed: 3000 min⁻¹ - 4000 min⁻¹

Maximum speed: 5000 min⁻¹

ø	REF	Quantity
70 mm	127-870-00	1 piece



Palatal cup brush

Chungking bristles, for polishing machines.

Application: orthodontics, plastic prosthetics

Maximum speed: 3000 min⁻¹

ø	REF	Quantity	REF	Quantity
30 mm	141-713-10	1 piece	141-713-00	10 pieces



Cloth polishing brush

For polishing machines.

Application: orthodontics, crowns and bridges, plastic prosthetics, cast partial denture

Maximum speed: 5000 min⁻¹

ø	REF	Quantity
100 mm	181-200-00	1 piece



Chamois leather polishing brush

For high shine polish, for polishing machines.

Application: orthodontics, crowns and bridges, plastic prosthetics, cast partial denture

Maximum speed: 1500 min⁻¹

ø	REF	Quantity
90 mm	181-201-00	1 piece



Cloth polishing brush, mounted

For handpiece.

Application: orthodontics, crowns and bridges, plastic prosthetics, cast partial denture

Recommended speed: 1500 min⁻¹ - 4000 min⁻¹

Maximum speed: 5000 min⁻¹

ø	REF	Quantity
20 mm	181-100-01	6 pieces

Brush, stainless steel

- stainless, for handpiece

Application: crowns and bridges, cast partial denture

Recommended speed: 3000 min⁻¹ - 4000 min⁻¹

Maximum speed: 5000 min⁻¹

ø	REF	Quantity	REF	Quantity
21 mm	127-922-00	1 piece	127-922-10	10 pieces



Brush for polishing

- Chungking bristles, for handpiece

Application: crowns and bridges, cast partial denture

Recommended speed: 3000 min⁻¹ - 4000 min⁻¹

Maximum speed: 5000 min⁻¹

ø	REF	Quantity
21 mm	141-800-00	10 pieces



Pointed brush

- for polishing areas difficult to access

e.g. fissures, inner surface of telescopes, etc.

Color: black

Maximum speed: 10000 min⁻¹

REF 141-810-00

10 pieces



Tiger Brilliant polishing paste

- quick and high shine polishing paste for super shiny metal surfaces

Application: CoCr alloys, precious metal alloys, NiCr alloys, titanium

REF 190-350-00

400 g

REF 190-350-50

60 g



Tiger Starshine finishing paste

- the ideal paste for final polishing

Application: all alloys, all metals

REF 190-301-00

50 ml



Tiger Diamond polishing paste

- diamond polishing paste for use with handpiece

- high shine on all metals, ceramics and composites

Application: all alloys, all metals, ceramics, acrylics

REF 190-302-00

50 g



Finishing

Polishing tools and accessories



Edelweiss polishing stick

Ideally suitable for high-gloss finish on acrylic.

REF 190-100-00

80 g



Edelweiss acrylic polishing liquid

Ideally suitable for high-gloss finish on acrylic.

REF 190-200-00

1000 g



Bur stand magnetic holder

Partly plastic.

- permanent magnets ensure firm retention of the instruments
- magnet holder without instruments
- do not use disinfectants containing ethanol, phenol or alcohol

REF 089-430-00

1 piece



Bur stand

Material: plastic

- for 12 burs or abrasive stones.
 - Bur stand without instruments
 - shaft \varnothing : 2.35 mm
 - do not use disinfectants containing ethanol, phenol or alcohol
- Color: transparent, clear

REF 089-431-00

1 piece



Crown Master forceps

Firm grip of crowns. Heat-resistant up to 200 °C / 392 °F.

REF 260-300-02

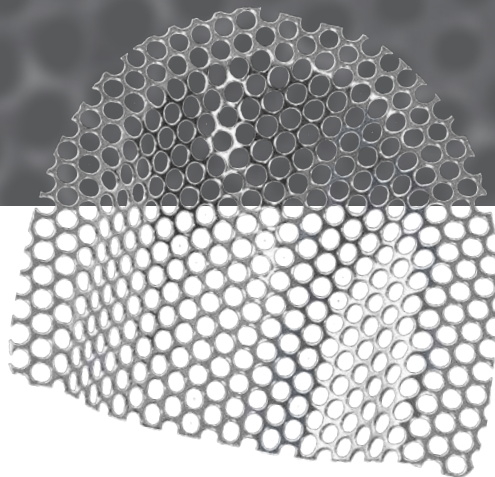
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Impression-taking	Page	262
Model fabrication	Page	263
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Prosthetics.

Proven product quality.



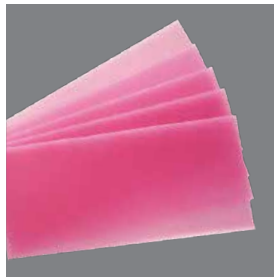
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From impressions to grid strengtheners.

A diverse range of products available for impression taking and model casting to various different types of grid strengtheners. They all share the same superior product quality.



Orthalgenat® Duo

The universal impression material.

Rapidur®

Synthetic hard plaster, class 4.

Model gloss

Impregnation for demonstration models.

Separating medium

Thin, abrasion-resistant film.

Modelling wax, pink

Good modeling characteristics for wax-ups.

Grid strengtheners and wire mesh

Stainless steel or gold-plated stainless steel.

Tin foil

Spacer foil in various thicknesses.

Ultrasonic cleaning solutions

For use in ultrasonic cleaners.

Impression-taking



Orthalgenat® Duo

Impression material incl. measuring set.

Flavor	Color	REF	Quantity
mint	green	150-501-20	1 kg
mint	green	150-509-20	9 kg
mint	green	150-520-20	20 kg

CE

Packaging: 1 kg (box), 9 x 1 kg and 20 x 1 kg (bag)
DIN EN ISO 21563



Orthalgenat® Ex

Impression tray cleaner. For removing alginate and plaster residue. Concentrate for manual or ultrasonic cleaning.

REF 150-010-00	1.5 kg
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Rapidur®

Synthetic dental stone

- extra hard, low expansion
- quick-setting

Application:

suitable for all areas of orthodontics and dental prosthetics

Norm: DIN EN ISO 6873

Class 4

Setting expansion	max. 0.15 %
Working time	min. 3 min
Compression resistance	min. 35 MPa
Setting time	max. 30 min
Color	white

REF 164-450-00

6 kg



Mixing bowl

For plaster, impression and investment materials, easy to clean.

Capacity	REF	Quantity
400 ml	164-651-00	1 piece
600 ml	164-650-00	1 piece



Model gloss

Environmentally friendly impregnation liquid for plaster demonstration models (e.g. Rapidur®, REF 164-450-00) for shiny, dust-repellent surfaces.

REF 166-450-00

4.5 kg



Isolation and waxes



Separating medium

Special alginate-based separating medium that forms a thin, abrasive-resistant separating film.

Separates:

- plaster from acrylic
- plaster from plaster

Color: pink

REF 162-800-00	1000 ml
----------------	---------



3D separating medium

Forms a separating layer between the acrylic models and Orthocryl® / Orthocryl® LC.

Color: green

REF 162-801-00	100 ml
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Mixing bowl

Flexible, with suction base. For all mixing jobs in the practice and laboratory.

Do not use with silicone materials!

Material: silicone

Capacity	REF	Quantity
5 ml	162-501-00	3 pieces
25 ml	162-502-00	1 piece
75 ml	162-503-00	1 piece



Modeling wax, pink

For acrylic work, construction bites etc.

- pliable
- very easy to model
- firm up to approx. 37 °C / 98.6 °F
- easy fixation of teeth

Melting point	Dimensions (L x W)	Thickness	Color	REF	Quantity
60 °C / 140 °F	175 mm x 80 mm	1.5 mm	pink	119-150-00	500 g

CE

Flexaponal®, special wax

acc. to Uhlig

- for bite registration (as bite wafer or bite rim)
- for adhesive borders on impression trays
- soft, flexible and adhesive

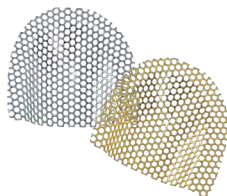
Dimensions (L x W)	Thickness	Color	REF	Quantity
120 mm x 15 mm	1.0 mm	red	124-003-00	50 pieces
200 mm x 10 mm	1.0 mm	red	124-002-00	50 pieces
200 mm x 10 mm	1.0 mm	white	124-202-00	50 pieces



CE



Grid strengtheners



Grid strengthener

anatomical

The numerous round perforations provide excellent resin bond to ensure a strong, stabilized denture base.

Material No.: 1.4301

Perforations \varnothing : 2.5 mm

Thickness: 0.4 mm

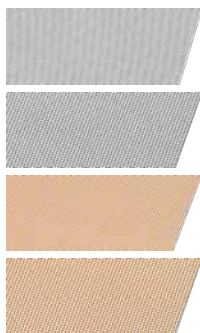
Material	REF	Quantity
stainless steel	318-004-00	10 pieces
stainless steel, gold plated (24 carat)	318-104-00	10 pieces



Wire mesh

Material No.: 1.4301

Wire mesh: 10 cm x 10 cm



Material	Mesh version	REF	Quantity
stainless steel	fine	316-110-00	1 piece
stainless steel	coarse	317-110-00	1 piece
stainless steel, gold plated (24 carat)	fine	316-210-00	1 piece
stainless steel, gold plated (24 carat)	coarse	317-210-00	1 piece



Marking pencil

indelible

Color	REF	Quantity
black	043-800-00	1 piece
red	043-900-00	1 piece



Marking pencil

Wax pencil

Color: white

REF 043-700-00

6 pieces



Matrix band

on roll

Material No.: 1.4310

spring-hard

Thickness x width	Length	REF	Quantity
0.05 mm x 5.00 mm	1 m	831-601-00	1 piece
0.05 mm x 5.00 mm	10 m	831-701-00	1 piece
0.05 mm x 6.00 mm	1 m	831-606-00	1 piece
0.05 mm x 7.00 mm	1 m	831-603-00	1 piece
0.05 mm x 7.00 mm	10 m	831-703-00	1 piece



CE 0483

Tin foil

on roll

Pure tin 99.9 %

Thickness x width	Length	REF	Quantity
0.1 mm x 100 mm	342 cm	324-610-00	250 g
0.2 mm x 100 mm	171 cm	324-620-00	250 g
0.25 mm x 100 mm	136 cm	324-725-00	250 g
0.3 mm x 100 mm	114 cm	324-730-00	250 g
0.4 mm x 100 mm	85.5 cm	324-740-00	250 g
0.5 mm x 100 mm	68 cm	324-750-00	250 g
0.6 mm x 100 mm	57 cm	324-760-00	250 g



Ultrasonic cleaning solution

To remove	REF	Quantity
Polishing paste, wax, grease	094-610-00	1000 ml
Plaster and plaster-bonded investment material	094-611-00	1000 ml
Calculus, cement, etching residues	094-612-00	1000 ml



Wires	Page 272
Retainer	Page 276
Clasps	Page 278



Wires and clasps.

Large selection – excellent quality.



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remanium®

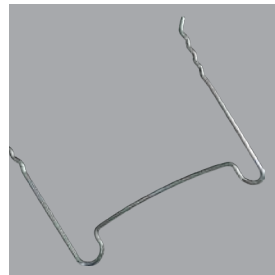
Stainless steel wires.

Noninium®

Nickel-free* stainless steel wires.

remaloy®

CoCr wires.



*Nickel trace elements of $\leq 0.05\%$ are due to the process of manufacturing

Wires



remanium® straight wire, round

Material: stainless steel

Strength category: spring hard · 1800 N/mm² - 2000 N/mm²

Color-coded packaging: red

ø	Length	REF	Quantity
0.40 mm / 16	each 380 mm	525-040-00	25 pieces
0.70 mm / 28	each 150 mm	527-004-00	1100 pieces
0.50 mm / 20	each 380 mm	535-002-00	25 pieces
0.60 mm / 23	each 380 mm	535-003-00	25 pieces
0.70 mm / 28	each 190 mm	527-005-00	900 pieces
0.70 mm / 28	each 300 mm	527-070-00	25 pieces
0.75 mm / 30	each 380 mm	535-005-00	25 pieces
0.80 mm / 31	each 150 mm	527-006-00	875 pieces
0.80 mm / 31	each 300 mm	527-080-00	25 pieces
0.90 mm / 36	each 300 mm	527-090-00	25 pieces
1.00 mm / 39	each 300 mm	527-100-00	25 pieces
1.15 mm / 45	each 380 mm	535-009-00	25 pieces

CE⁰⁴⁸³



remanium® laboratory coil, round

Material: stainless steel

Strength category: hard · 1400 N/mm² - 1600 N/mm²

ø	Length	REF	Quantity
0.70 mm / 28	30 m	513-070-00	1 piece
0.80 mm / 31	20 m	513-080-00	1 piece
0.90 mm / 36	10 m	513-090-00	1 piece
1.00 mm / 39	10 m	513-100-00	1 piece
1.20 mm / 47	10 m	513-120-00	1 piece
1.50 mm / 59	10 m	513-150-00	1 piece

CE⁰⁴⁸³



remanium® clinical coil, round

Material: stainless steel

Strength category: hard · 1400 N/mm² - 1600 N/mm²

ø	Length	REF	Quantity
0.70 mm / 28	165 m	514-070-00	1 piece
0.80 mm / 31	125 m	514-080-00	1 piece
0.90 mm / 36	100 m	514-090-00	1 piece
1.00 mm / 39	80 m	514-100-00	1 piece

CE⁰⁴⁸³

remanium® laboratory coil, round

Material: stainless steel

Strength category: spring hard · 1800 N/mm² - 2000 N/mm²

ø	Length	REF	Quantity
0.40 mm / 16	30 m	521-040-00	1 piece
0.50 mm / 20	50 m	523-050-00	1 piece
0.60 mm / 23	40 m	523-060-00	1 piece
0.70 mm / 28	30 m	523-070-00	1 piece
0.80 mm / 31	20 m	523-080-00	1 piece
0.90 mm / 36	10 m	523-090-00	1 piece
1.00 mm / 39	10 m	523-100-00	1 piece
1.10 mm / 43	10 m	523-110-00	1 piece
1.20 mm / 47	10 m	523-120-00	1 piece
1.50 mm / 59	10 m	523-150-00	1 piece



CE 0483

remanium® clinical coil, round

Material: stainless steel

Strength category: spring hard · 1800 N/mm² - 2000 N/mm²

ø	Length	REF	Quantity
0.60 mm / 23	225 m	524-060-00	1 piece
0.70 mm / 28	165 m	524-070-00	1 piece
0.80 mm / 31	125 m	524-080-00	1 piece
0.90 mm / 36	100 m	524-090-00	1 piece
1.00 mm / 39	80 m	524-100-00	1 piece
1.10 mm / 43	70 m	524-110-00	1 piece



CE 0483

remanium® wire on coils, half-round

Material: stainless steel

Strength category: hard · 1400 N/mm² - 1600 N/mm²

ø	Length	REF	Quantity
1.30 mm x 0.65 mm / 51 x 26	10 m	308-513-00	1 piece
1.50 mm x 0.75 mm / 59 x 30	10 m	308-515-00	1 piece
1.75 mm x 0.90 mm / 69 x 36	10 m	308-518-00	1 piece
2.00 mm x 1.00 mm / 79 x 40	10 m	308-520-00	1 piece



CE 0483

Wires



remanium® clinical coil, half-round

Material: stainless steel

Strength category: hard · 1400 N/mm² - 1600 N/mm²

∅	Length	REF	Quantity
1.30 mm x 0.65 mm / 51 x 26	90 m	308-713-00	1 piece
1.50 mm x 0.75 mm / 59 x 30	65 m	308-715-00	1 piece
1.75 mm x 0.90 mm / 69 x 36	50 m	308-718-00	1 piece

CE 0483



remanium® wire on coils, oval

Material: stainless steel

Strength category: hard · 1400 N/mm² - 1600 N/mm²

∅	Length	REF	Quantity
2.40 mm x 1.40 mm / 95 x 55	10 m	385-624-00	1 piece
3.00 mm x 1.50 mm / 118 x 59	10 m	385-630-00	1 piece

CE 0483



Noninium® wire on coils, round

Material: nickel free* stainless steel

Strength category: hard · 1400 N/mm² - 1600 N/mm²

∅	Length	REF	Quantity
0.70 mm / 28	30 m	520-070-10	1 piece
0.80 mm / 31	20 m	520-080-10	1 piece
0.90 mm / 36	10 m	520-090-10	1 piece
1.20 mm / 47	10 m	520-120-10	1 piece

CE 0483

* Nickel trace elements of ≤ 0.05 % are due to the process of manufacturing



Noninium® wire on coils, round

Material: nickel free* stainless steel

Strength category: spring hard · 1800 N/mm² - 2000 N/mm²

∅	Length	REF	Quantity
0.60 mm / 23	40 m	520-062-10	1 piece
0.70 mm / 28	30 m	520-072-10	1 piece
0.80 mm / 31	20 m	520-082-10	1 piece
0.90 mm / 36	10 m	520-092-10	1 piece

CE 0483

* Nickel trace elements of ≤ 0.05 % are due to the process of manufacturing

remaloy® straight wire, round

Recommended for Quad Helix, Crozat appliances, palatal and lingual bars etc.

Can be heat treated · 450 °C / 842 °F for about 5 min

Material: CoCr

Strength category: hard · 1400 N/mm² - 1600 N/mm²

Color-coded packaging: blue



ø	Length	REF	Quantity
0.70 mm / 28	each 380 mm	528-070-00	10 pieces
0.80 mm / 31	each 380 mm	528-080-00	10 pieces
0.90 mm / 36	each 380 mm	528-090-00	10 pieces
1.00 mm / 39	each 380 mm	528-100-00	10 pieces
1.10 mm / 43	each 380 mm	528-110-00	10 pieces
1.20 mm / 47	each 380 mm	528-120-00	10 pieces
1.30 mm / 51	each 380 mm	528-130-00	10 pieces
1.50 mm / 59	each 380 mm	528-150-00	10 pieces

CE 0483

remaloy® straight wire, half-round

Can be heat treated · 450 °C / 842 °F for about 5 min

Material: CoCr

Strength category: spring hard · 1800 N/mm² - 2000 N/mm²

Color-coded packaging: blue



ø	Length	REF	Quantity
1.50 mm x 0.75 mm / 59 x 30	each 380 mm	528-155-00	10 pieces
1.75 mm x 0.90 mm / 69 x 36	each 380 mm	528-158-00	10 pieces

CE 0483

remaloy® straight wire, rectangular rounded

With rounded edges, for use as TPA or reinforcing bow.

Can be heat treated · 450 °C / 842 °F for about 5 min

Material: CoCr

Strength category: hard plus · 1600 N/mm² - 1800 N/mm²

Color-coded packaging: blue



ø	Length	REF	Quantity
1.92 mm x 0.90 mm / 76 x 36	each 380 mm	528-159-00	10 pieces

CE 0483



Retainer

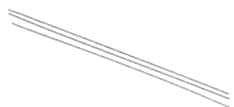


remaintain® flat retainer wire

For maxilla and mandible, 6-strand braided.
Easy to adapt, very flat for high level of patient comfort
Material: stainless steel

<input checked="" type="checkbox"/>	Length	Diagonal M.	REF	Quantity
0.25 mm x 0.73 mm / 10 x 29	150 mm	0.77 mm	530-000-00	10 pieces

CE 0483

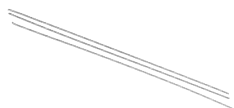


Titanium retainer wire, Ti1

For maxilla and mandible, 3-strand twisted.
Grade 1 indicates a very low oxygen content, relative degree of softness and easy adaptation when cold.
Material: titanium

ø	Length	REF	Quantity
0.44 mm / 17	50 mm	528-001-01	10 pieces
0.50 mm / 20	50 mm	528-000-01	10 pieces

CE 0483



Titanium retainer wire, Ti5

For maxilla and mandible, 3-strand twisted.
Grade 5 indicates a very high mechanical strength.
Material: titanium

ø	Length	REF	Quantity
0.44 mm / 17	50 mm	528-001-00	10 pieces
0.50 mm / 20	50 mm	528-000-00	10 pieces

CE 0483



Titanium retainer wire, Ti1

For maxilla and mandible, 3-strand twisted.
Grade 1 indicates a very low oxygen content, relative degree of softness and easy adaptation when cold.
Material: titanium

ø	Length	REF	Quantity
0.50 mm / 20	2 m	528-000-02	1 piece

CE 0483

Gold retainer wire

For maxilla and mandible, 3-strand twisted.

Material: gold

ø	Length	REF	Quantity
0.50 mm / 20	160 mm	529-000-00	1 piece

CE 0483



remanium® lingual retainer, assortment

For lower cuspids 3-3, anatomically preformed.

1 assortment = 20 pieces

Material: stainless steel

ø 0.80 mm / 32

REF 728-500-00	1 assortment
----------------	--------------

CE 0483

Contents:

4 x lingual retainer, 22 mm	REF 728-501-00
4 x lingual retainer, 24 mm	REF 728-502-00
4 x lingual retainer, 26 mm	REF 728-503-00
4 x lingual retainer, 28 mm	REF 728-504-00
4 x lingual retainer, 30 mm	REF 728-505-00



remanium® lingual retainer

For lower cuspids 3-3, anatomically preformed.

The stated length conforms with the transverse distance of both lower cuspids.

Material: stainless steel

ø	Length	REF	Quantity
0.80 mm / 32	22 mm	728-501-00	5 pieces
0.80 mm / 32	24 mm	728-502-00	5 pieces
0.80 mm / 32	26 mm	728-503-00	5 pieces
0.80 mm / 32	28 mm	728-504-00	5 pieces
0.80 mm / 32	30 mm	728-505-00	5 pieces

CE 0483



prime4me® RETAIN3R maxilla*

Unique fit using a three-dimensional construction design and highest biocompatibility: milled retainer in grade 5 titanium. Can be ordered together with prime4me® RETAIN3R optionally: Transfer tray for prime4me® RETAIN3R for placement in the mouth.

REF 430-120-30	1 piece
----------------	---------

custom product



prime4me® RETAIN3R mandible*

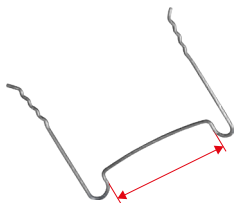
Unique fit using a three-dimensional construction design and highest biocompatibility: milled retainer in grade 5 titanium. Can be ordered together with prime4me® RETAIN3R optionally: Transfer tray for prime4me® RETAIN3R for placement in the mouth.

REF 430-120-40	1 piece
----------------	---------

custom product



Clasps



Noninium® standard labial arch

Material: nickel-free* stainless steel

Strength category: spring hard · 1800 N/mm² - 2000 N/mm²

ø	Length mesial-mesial	REF	Quantity
0.80 mm / 31	28 mm	621-028-01	10 pieces
0.80 mm / 31	31 mm	621-031-01	10 pieces
0.80 mm / 31	34 mm	621-034-01	10 pieces
0.80 mm / 31	37 mm	621-037-01	10 pieces
0.80 mm / 31	40 mm	621-040-01	10 pieces
0.80 mm / 31	43 mm	621-043-01	10 pieces
0.80 mm / 31	46 mm	621-046-01	10 pieces



* Nickel trace elements of ≤ 0.05 % are due to the process of manufacturing



Noninium® Adams clasp, assortment

Strength category: spring hard · 1800 N/mm² - 2000 N/mm²

1 assortment = 250 pieces

Material: nickel-free* stainless steel

ø 0.70 mm / 28

REF 621-500-01	1 assortment
-----------------------	--------------



Contents:

30 x Adams clasp, 7 mm	REF 621-404-01
30 x Adams clasp, 8 mm	REF 621-405-01
40 x Adams clasp, 9 mm	REF 621-406-01
60 x Adams clasp, 10 mm	REF 621-407-01
60 x Adams clasp, 11 mm	REF 621-408-01
30 x Adams clasp, 12 mm	REF 621-409-01
1 x ruler	REF 766-000-00

* Nickel trace elements of ≤ 0.05 % are due to the process of manufacturing



Noninium® Adams clasp

Material: nickel-free* stainless steel

Strength category: spring hard · 1800 N/mm² - 2000 N/mm²

ø	Length mesial-distal	REF	Quantity
0.70 mm / 28	7 mm	621-404-01	10 pieces
0.70 mm / 28	8 mm	621-405-01	10 pieces
0.70 mm / 28	9 mm	621-406-01	10 pieces
0.70 mm / 28	10 mm	621-407-01	10 pieces
0.70 mm / 28	11 mm	621-408-01	10 pieces
0.70 mm / 28	12 mm	621-409-01	10 pieces



* Nickel trace elements of ≤ 0.05 % are due to the process of manufacturing



Noninium® triangular clasp

Material: nickel-free* stainless steel

Strength category: hard · 1400 N/mm² - 1600 N/mm²

ø	Length	REF	Quantity
0.70 mm / 28	each 36 mm	621-300-01	100 pieces



* Nickel trace elements of ≤ 0.05 % are due to the process of manufacturing

Noninium® arrow clasp

Material: nickel-free* stainless steel

Strength category: spring hard · 1800 N/mm² - 2000 N/mm²

ø	Length	REF	Quantity
0.70 mm / 28	each 41 mm	621-200-01	100 pieces

CE * Nickel trace elements of ≤ 0.05 % are due to the process of manufacturing

Noninium® ball retainer clasp

Material: nickel-free* stainless steel

Strength category: hard · 1400 N/mm² - 1600 N/mm²

ø	Length	REF	Quantity
0.70 mm / 28	each 38 mm	620-207-02	100 pieces
0.80 mm / 32	each 38 mm	620-208-02	100 pieces
0.90 mm / 36	each 38 mm	620-209-02	100 pieces

CE * Nickel trace elements of ≤ 0.05 % are due to the process of manufacturing

remanium® ball retainer clasp

Material: stainless steel

Strength category: hard · 1400 N/mm² - 1600 N/mm²

ø	Length	REF	Quantity
0.70 mm / 28	each 38 mm	620-107-00	100 pieces
0.80 mm / 31	each 38 mm	620-108-00	100 pieces
0.90 mm / 36	each 38 mm	620-109-00	100 pieces
1.00 mm / 39	each 38 mm	620-110-00	100 pieces

CE

remanium® arrow clasp

Material: stainless steel

Strength category: hard · 1400 N/mm² - 1600 N/mm²

ø	Length	REF	Quantity
0.80 mm / 31	each 40 mm	620-708-00	10 pieces

CE

Clasps



Guide pin

acc. to G. Müller®

Guide pin between upper and lower plates intended for bite correction of Angle Class II + Class III.

Material: stainless steel

REF 607-204-00	2 pieces
REF 607-204-30	20 pieces

CE



Guide pin

acc. to Hinz

Material: stainless steel

ø	REF	Quantity	REF	Quantity
1.50 mm / 59	607-202-00	1 piece	607-202-30	10 pieces

CE



Lingual bar

Anatomically shaped e.g. for occlusion plates.

Material: stainless steel

Length	Dimensions	REF	Quantity
6 cm	3.0 mm x 1.5 mm	311-306-30	10 pieces
7 cm	3.0 mm x 1.5 mm	311-307-30	10 pieces
8 cm	3.0 mm x 1.5 mm	311-308-30	10 pieces

CE



Strengthen

Twisted and rolled flat.

Material: stainless steel

Material No.: 1.4404

Length	☑	REF	Quantity
10 m	1.8 mm x 0.8 mm	312-106-00	1 piece
10 m	2.4 mm x 0.8 mm	312-107-00	1 piece

CE

Grid strengthener

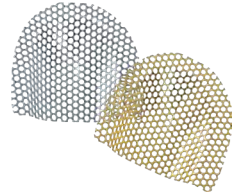
anatomical

The large diameter of the perforations ensures excellent resin bond and stabilization of the denture base.

Material No.: 1.4301

Perforations \varnothing : 2.5 mm

Thickness: 0.4 mm



Material	REF	Quantity
stainless steel	318-004-00	10 pieces
stainless steel, gold plated (24 carat)	318-104-00	10 pieces

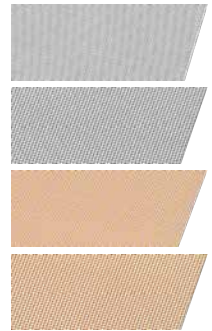
CE

Wire mesh

Material No.: 1.4301

Wire mesh: 10 cm x 10 cm

Material	Mesh version	REF	Quantity
stainless steel	fine	316-110-00	1 piece
stainless steel	coarse	317-110-00	1 piece
stainless steel, gold plated (24 carat)	fine	316-210-00	1 piece
stainless steel, gold plated (24 carat)	coarse	317-210-00	1 piece



CE



Expansion screws

Standard expansion screws	Page	286
Special expansion screws	Page	289
Variety expansion screws	Page	302
RPE screws	Page	306
Accessories	Page	312



Expansion screws.

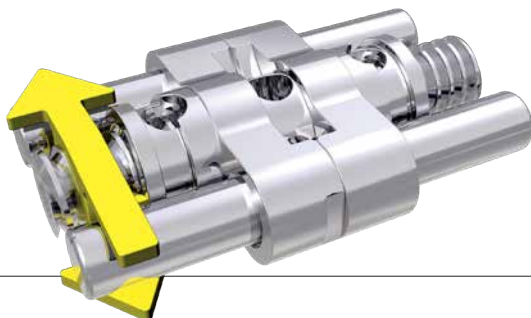
Perfect in form, function and design.



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Perfect in form, function and design.

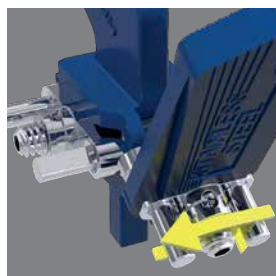


A wide range of products.

Dentaurum's selection of stainless steel expansion screws ranges from standard expansion screws to more complex special expansion screws. We have extended our range of special expansion screws with the Neo-bite jumping appliance acc. to F.M. Sander* – a modern, patented three-dimensional Bertoni expansion screw with guide ridges. Titan hyrax® and rematitan® expansion screws, the biocompatible alternatives in pure titanium, round off this wide selection.

Perfect in every detail.

Dentaurum's expansion screws achieve wide expansion despite their small size. The screws are guaranteed to open evenly and not reverse inadvertently thanks to the friction on the thread which has been carefully calculated, and an integrated stop mechanism. High precision manufacture and excellent quality ensure that the screw construction is strong and stable. Additional holes in the body ensure optimal retention in the acrylic.



Dentaurum expansion screws

The right solution for every type of treatment.

Neo-bite jumping appliance acc. to F.M. Sander*

Latest generation of the Sander appliance.

hyrax®

Special expansion screw for palatal expansion.

hyrax® click

The RPE screw with special feature
to prevent unwanted reversing.

hyrax® neo

The alternative to the classic hyrax® screw.

Titan hyrax®

The world's first RPE screw in titanium.

Variety

The versatile, multi-functional expansion screw.

Variety click

The special expansion screw with special feature
to prevent unwanted reversing.

Expansion screws

Standard expansion screws



Expansion screw Mini

Material: stainless steel

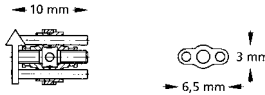
- with **cone-shaped or wide** expansion screw holder
 - skeleton design
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart once maximum expansion has been achieved
- With expansion screw key, standard (straight, small).

Indication: for transverse expansion and distalization in the mandible or for especially narrow maxillae

Directional arrow: Plastic, white

Maximum expansion	4 x 1/4 turn	REF (cone-shaped)	REF (wide)	Quantity
6.5 mm	= 0.7 mm	600-300-10	600-320-10	1 piece
6.5 mm	= 0.7 mm	600-300-30	600-320-30	10 pieces
6.5 mm	= 0.7 mm	600-300-60	600-320-60	100 pieces

CE



Expansion screw Medium

Material: stainless steel

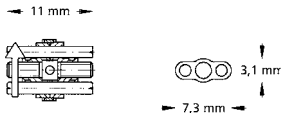
- with **cone-shaped or wide** expansion screw holder
 - skeleton design
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart once maximum expansion has been achieved
- With expansion screw key straight, standard (straight, small).

Indication: for transverse expansion and distalization in maxilla and mandible

Directional arrow: Plastic, neon yellow

Maximum expansion	4 x 1/4 turn	REF (cone-shaped)	REF (wide)	Quantity
7.5 mm	= 0.8 mm	600-301-10	600-321-10	1 piece
7.5 mm	= 0.8 mm	600-301-30	600-321-30	10 pieces
7.5 mm	= 0.8 mm	600-301-60	600-321-60	100 pieces

CE



Expansion screw Maxi

Material: stainless steel

- with **cone-shaped or wide** expansion screw holder
- skeleton design
- holes in body of screws for better retention in acrylic
- built-in stops prevent screws from coming apart once maximum expansion has been achieved

With expansion screw key straight, standard (straight, small).

Indication: for transverse expansion in the maxilla

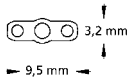
Directional arrow: Plastic, neon yellow

Maximum expansion	4 x 1/4 turn	REF (cone-shaped)	REF (wide)	Quantity
7.5 mm	= 0.8 mm	600-302-10	600-322-10	1 piece
7.5 mm	= 0.8 mm	600-302-30	600-322-30	10 pieces
7.5 mm	= 0.8 mm	600-302-60	600-322-60	100 pieces



CE

← 11 mm →



Expansion screw Magnum

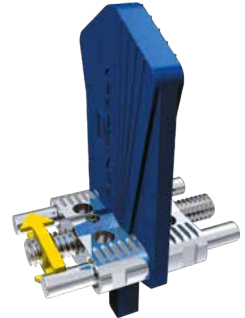
Material: stainless steel

- with **cone-shaped** expansion screw holder
 - skeleton design
 - version: extra strong, with larger screw body
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart
- With expansion screw key straight, standard (straight, small).

Indication: for transverse expansion in the maxilla and bimaxillary functional gnatho-orthopedic appliances

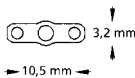
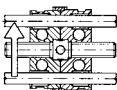
Directional arrow: Plastic, neon yellow

Maximum expansion	4 x 1/4 turn	REF	Quantity
11.0 mm	= 0.8 mm	600-303-10	1 piece
11.0 mm	= 0.8 mm	600-303-30	10 pieces
11.0 mm	= 0.8 mm	600-303-60	100 pieces



CE

← 14,5 mm →



Expansion screws

Standard expansion screws



rematitan® expansion screw Medium

Material: titanium

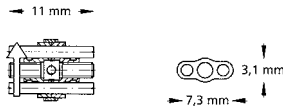
- with **cone-shaped** expansion screw holder
 - skeleton design
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart
- With expansion screw key, standard (straight, small).

Indication: for transverse expansion and distalization in maxilla and mandible

Directional arrow: Plastic, pearl-blue

Maximum expansion	4 x 1/4 turn	REF	Quantity
7.5 mm	= 0.8 mm	600-400-10	1 piece
7.5 mm	= 0.8 mm	600-400-30	10 pieces

CE



Trapezoidal expansion screw

Material: stainless steel

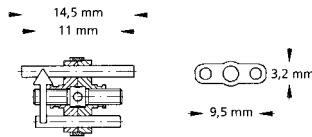
- with **cone-shaped** expansion screw holder
 - skeleton design
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart
- With expansion screw key, standard (straight, small).

Indication: for transverse expansion of narrow maxillae and as activation screw for bimaxillary functional gnatho-orthopedic appliances

Directional arrow: Plastic, neon yellow

Maximum expansion	4 x 1/4 turn	REF	Quantity
7.5 mm	= 0.8 mm	600-310-30	10 pieces

CE



Sectional screw Mini

Material: stainless steel

- with **wide** expansion screw holder
- skeleton design
- guide pins: U-shaped, **straight**

With expansion screw key, standard (straight, small).

Indication: for movement of individual teeth

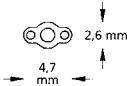
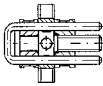
Directional arrow: printed, blue-yellow

Maximum expansion	4 x 1/4 turn	REF	Quantity
4.0 mm	= 0.35 mm	600-502-10	1 piece
4.0 mm	= 0.35 mm	600-502-30	10 pieces
4.0 mm	= 0.35 mm	600-502-60	100 pieces



CE

← 9,5 mm →

**Sectional screw Mini**

Material: stainless steel

- with **wide** expansion screw holder
- skeleton design
- guide pins: U-shaped, **angulated facing down**

With expansion screw key, standard (straight, small).

Indication: for movement of individual teeth

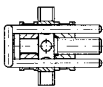
Directional arrow: printed, blue-yellow

Maximum expansion	4 x 1/4 turn	REF	Quantity
4.0 mm	= 0.35 mm	600-503-10	1 piece
4.0 mm	= 0.35 mm	600-503-30	10 pieces
4.0 mm	= 0.35 mm	600-503-60	100 pieces



CE

← 9,5 mm →



Expansion screws

Special expansion screws



Sectional screw Medium

Material: stainless steel

- with **cone-shaped** expansion screw holder
 - skeleton design
 - guide pins: **straight**, with mushroom head retention
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart
- With expansion screw key, standard (straight, small).

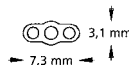
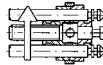
Indication: for distalization and segmentation of appliances, Y plates

Directional arrow: Plastic, neon yellow

Maximum expansion	4 x 1/4 turn	REF	Quantity
6.0 mm	= 0.4 mm	600-500-10	1 piece
6.0 mm	= 0.4 mm	600-500-30	10 pieces
6.0 mm	= 0.4 mm	600-500-60	100 pieces

CE

→ 12,5 mm ←



Sectional screw Medium

Material: stainless steel

- with **cone-shaped** expansion screw holder
 - skeleton design
 - guide pins: U-shaped, **angulated facing down**
 - holes in body of screws for better retention in acrylic
- With expansion screw key, standard (straight, small).

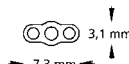
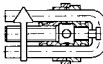
Indication: for distalization and segmentation of appliances, protrusion of an anterior segment

Directional arrow: Plastic, neon yellow

Maximum expansion	4 x 1/4 turn	REF	Quantity
6.0 mm	= 0.4 mm	600-501-10	1 piece
6.0 mm	= 0.4 mm	600-501-30	10 pieces
6.0 mm	= 0.4 mm	600-501-60	100 pieces

CE

→ 13 mm ←



Retraction screw Extra Mini

Material: stainless steel

- with **cone-shaped** expansion screw holder
- screw body: closed
- guide pins: U-shaped, straight

With expansion screw key, standard (straight, small).

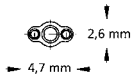
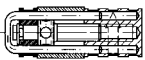
Indication: for space closing and movement of individual teeth

Directional arrow: printed, blue-yellow

Maximum retraction	4 x 1/4 turn	REF	Quantity
3.0 mm	= 0.4 mm	600-602-30	10 pieces

CE

← 13,5 mm →



Retraction screw Mini

Material: stainless steel

- with **cone-shaped** expansion screw holder
- screw body: closed
- guide pins: U-shaped, straight

With expansion screw key, standard (straight, small).

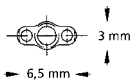
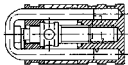
Indication: for space closing and movement of individual teeth

Directional arrow: printed, blue-yellow

Maximum retraction	4 x 1/4 turn	REF	Quantity
2.5 mm	= 0.4 mm	600-601-30	10 pieces

CE

← 13 mm →



Expansion screws

Special expansion screws



Retraction screw Medium

Material: stainless steel

- with **cone-shaped** expansion screw holder
- screw body: closed
- guide pins: U-shaped, straight

With expansion screw key straight, small – standard.

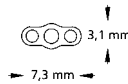
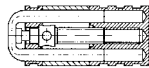
Indication: for space closing and movement of individual teeth

Directional arrow: printed, blue-yellow

Maximum retraction	4 x 1/4 turn	REF	Quantity
4.5 mm	= 0.4 mm	600-600-30	10 pieces

CE

← 17 mm →



Neo-Bertoni three dimensional screw – three movements (type A)

Material: stainless steel

- anatomically angled multi-dimensional screw
- three independently controlled movements
- same total expansion per segment

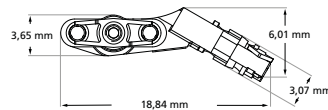
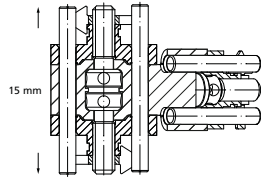
With expansion screw key, standard (straight, small).

Indication: for combined transverse and protrusion movements with Y-plates

Directional arrow: Plastic, neon yellow

Maximum expansion	4 x 1/4 turn	REF	Quantity
3.5 mm / segment	= 0.40 mm/segment	600-131-10	1 piece

CE



NEW

Neo-Bertoni three dimensional screw – two movements (type B)

Material: stainless steel

- anatomically angled multi-dimensional screw
- two independently controlled movements (symmetrical transverse expansion)
- same total expansion per segment

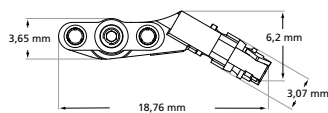
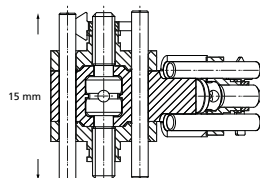
With expansion screw key, standard (straight, small).

Indication: for combined transverse and protrusion movements with Y plates

Directional arrow: Plastic, neon yellow

Maximum expansion	4 x 1/4 turn	REF	Quantity
3.5 mm / segment	= 0.40 mm/segment	600-132-10	1 piece

CE



NEW



Neo-Bertoni 3D

Material: stainless steel

- anatomical, individually adjustable three dimensional screw
- front segment can be adapted individually to the palate
- two independently controlled movements (symmetrical transverse expansion)
- same total expansion per segment

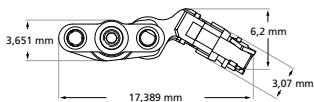
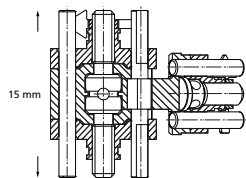
With expansion screw key, standard (straight, small).

Indication: for combined transverse and protrusion movements with Y plates

Directional arrow: Plastic, neon yellow

Maximum expansion	4 x 1/4 turn	REF	Quantity
3.5 mm / segment	= 0.40 mm/segment	600-133-10	1 piece

CE



NEW



Expansion screws

Special expansion screws



Three dimensional screw acc. to Bertoni – three movements (type A)

Material: stainless steel

- strengthened guides
- three independently controlled movements
- same total expansion per segment

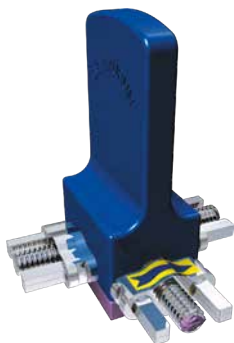
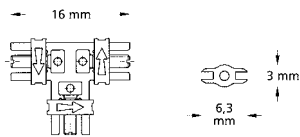
With expansion screw key straight, standard (straight, small).

Indication: for combined transverse and protrusion movements with Y plates

Directional arrow: printed, blue-yellow

Maximum expansion	4 x 1/4 turn	REF	Quantity
4.0 mm / segment	= 0.35 mm/segment	602-605-10	1 piece

CE



Three dimensional screw acc. to Bertoni – two movements (type B)

Material: stainless steel

- strengthened guides
- two independently controlled movements (symmetrical transverse expansion)
- same total expansion per segment

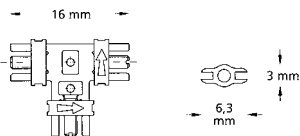
With expansion screw key straight, standard (straight, small).

Indication: for combined transverse and protrusion movements with Y plates

Directional arrow: printed, blue-yellow

Maximum expansion	4 x 1/4 turn	REF	Quantity
4.0 mm / segment	= 0.35 mm/segment	602-606-10	1 piece

CE



Three dimensional screw acc. to Steiner

Material: stainless steel

- strengthened guides
 - individually adjustable middle bar for adapting to different palatal vault curvatures
 - two independently controlled movements (symmetrical transverse expansion)
 - same total expansion per segment
- With expansion screw key, standard (straight, small).

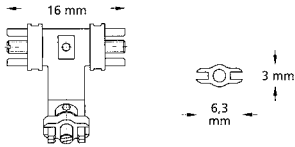
Indication: for combined transverse and protrusion movements with Y plates

Directional arrow: printed, blue-yellow

Maximum expansion	4 x 1/4 turn	REF	Quantity
4.0 mm / segment	= 0.35 mm/segment	602-604-10	1 piece



CE



Expansion screws

Special expansion screws



Fan-type expansion screw

Material: stainless steel

- with **wide** expansion screw holder
- plate sections are opened fanwise

With expansion screw key straight, standard (straight, small).

Indication: for maxillary anterior or posterior expansion

Directional arrow: printed, blue-yellow

Maximum expansion	4 x 1/4 turn	REF	Quantity
7.0 mm	= 0.8 mm	606-600-00	1 piece
7.0 mm	= 0.8 mm	606-600-30	10 pieces

CE

→ 12 mm →



Mandibular bow screw acc. to Müller

Material: stainless steel

- with **cone-shaped** expansion screw holder
 - minimal fan-type opening of the arch screw, according to the anterior arch
- With expansion screw key straight, standard (straight, small).

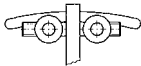
Indication: for transverse expansion of the mandibular anterior arch

Directional arrow: Plastic, neon yellow

Maximum expansion	4 x 1/4 turn	REF	Quantity
5.0 mm	= 0.8 mm	606-701-00	1 piece
5.0 mm	= 0.8 mm	606-701-30	10 pieces

CE

← 20 mm →

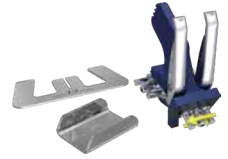


Neo-bite jumping appliance acc. to F.M. Sander*, set

Material: stainless steel
 Patented, three-dimensional Bertoni expansion screw with guide ridges for forward thrust acc. to F.M. Sander*. The latest generation of the Sander appliance allows, alongside class II/1 treatment, corrections in class II/2 thanks to the sagittal expansion element.

REF 600-120-00	1 set
CE	
1 x Neo-bite jumping appliance acc. to F.M. Sander	REF 600-121-10
1 x Neo-bite jumping appliance mounting template	REF 600-122-00
1 x Neo-bite jumping appliance guide template (for inclined plane)	REF 600-123-00

Contents:



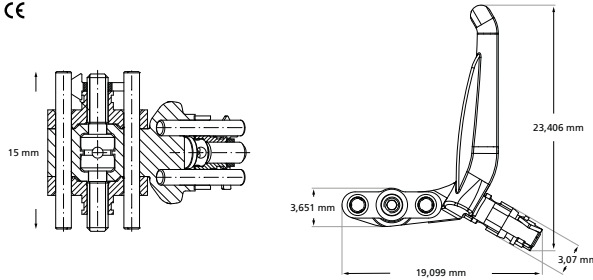
NEW

Neo-bite jumping appliance acc. to F.M. Sander*

Material: stainless steel
 Directional arrow: Plastic, neon yellow

Maximum expansion	4 x 1/4 turn	REF	Quantity
4.0 mm / segment	= 0.35 mm/segment	600-121-10	1 piece

CE



NEW



Neo-bite jumping appliance mounting template

acc. to Sander & Höbel
 The angle to the occlusal plane can be adapted to each individual patient in combination with the slots at 55°, 60° and 65° in the expansion screw holder of the neo-bite jumping appliance.

REF 600-122-00	1 piece
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NEW



Neo-bite jumping appliance guide template

acc. to Sander & Höbel
 To produce an inclined plane in the mandible.

REF 600-123-00	10 pieces
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NEW



Expansion screws

Special expansion screws



Flexible forward thrust double plate system acc. to Schaneng, set

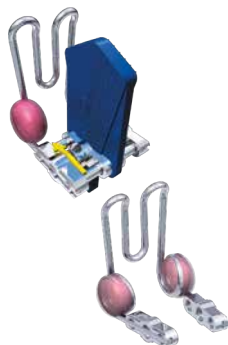
Material: stainless steel

- flexible intermaxillary element
- maxillary screws with intermaxillary guide ridge for forward thrust double plate. Double loop, wax coated

With expansion screw key, standard (straight, small).

Indication: for treatment of Angle Class II/1 (distocclusion), for advancement of the mandible

REF 600-000-00	1 set
CE	
Contents:	
3 x screw for maxilla with guide ridge for forward thrust double plate	REF 600-001-00
1 x adapter, narrow	REF 600-003-00
1 x adapter, wide	REF 600-004-00
1 x locating template	REF 600-005-00



Guide ridge for flexible forward thrust double plate system acc. to Schaneng

With double loop, wax coated.

Material: stainless steel

Length of guide ridge: 14.0 mm

Version	REF	Quantity	REF	Quantity
with palatal expansion screw	600-001-00	1 piece	600-001-30	10 pieces
without palatal expansion screw	600-002-00	1 piece	600-002-30	10 pieces

CE



Guide ridge adapter for flexible forward thrust double plate system acc. to Schaneng

To produce the diagonal level in the mandibular.

Adapter	Width	REF	Quantity
narrow	14,0 mm	600-003-00	10 pieces
wide	18,0 mm	600-004-00	10 pieces



Locating template acc. to Schaneng

Locating template to produce the 60° angle of inclination.

Material: stainless steel

REF 600-005-00	1 piece
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Expansion screw for split activator

Material: stainless steel

- with **cone-shaped** expansion screw holder
- strengthened guides

With expansion screw key, standard (straight, small).

Indication: for separate expansion of maxilla and mandible

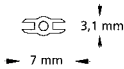
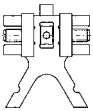
Directional arrow: printed, blue-yellow

Maximum expansion	4 x 1/4 turn	REF	Quantity
7.0 mm	= 0.8 mm	600-610-00	1 piece
7.0 mm	= 0.8 mm	600-610-30	10 pieces



CE

→ 14,5 mm →



Expansion screw for progenia activator acc. to Weise

Material: stainless steel

- without expansion screw holder
 - for fabricating horizontally split activators, which allow connection and shifting of both split planes
 - stable connection of the maxillary plate with the mandibular plate using a strong U-shaped bar
- With expansion screw key, standard (straight, small).

Indication: for the treatment of Angle Class III (progenia), for distal shifting of the mandible

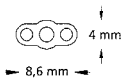
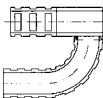
Directional arrow: printed, blue-yellow

Maximum expansion	4 x 1/4 turn	REF	Quantity
5.0 mm	= 0.9 mm	603-000-00	1 piece



CE

→ 14 mm →



Expansion screws

Special expansion screws



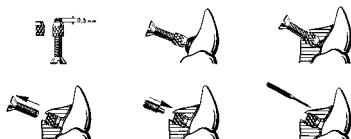
Piston spring screws, set

Material: stainless steel

- delicate design
- constant, elastic and finely controllable pressure on the tooth to be moved
- a protrusion of up to 7 mm can be attained according to the progress of treatment using three different lengths of screws (4 / 6 / 8 mm)

Indication: for movement of individual teeth

4 x 1/4 turn = 0.35 mm



REF 609-500-00	1 set
CE	
Contents:	
10 x piston spring screw, 4 mm	REF 609-004-00
10 x piston spring screw, 6 mm	REF 609-006-00
10 x piston spring screw, 8 mm	REF 609-008-00
10 x positioning screw	REF 609-100-00
10 x serrated housing nut	REF 609-200-30
1 x reamer	REF 609-300-01
1 x screwdriver	REF 609-400-00

NEW



Piston spring screw

Material: stainless steel

- delicate design
- constant, elastic and finely controllable pressure on the tooth to be moved

Indication: for movement of individual teeth

Length	4 x 1/4 turn	REF	Quantity
4.0 mm	= 0.35 mm	609-004-00	10 pieces
6.0 mm	= 0.35 mm	609-006-00	10 pieces
8.0 mm	= 0.35 mm	609-008-00	10 pieces

CE



Positioning screw

For piston spring screw.

To position the piston spring screw into the acrylic.

Material: stainless steel

Length	REF	Quantity
12.0 mm	609-100-00	10 pieces



Serrated housing nut

For piston spring screw.

To position into acrylic or to weld onto wire elements.

Material: stainless steel

Length	REF	Quantity
3.0 mm	609-200-30	10 pieces

CE

Reamer

For piston spring screw.

Material: stainless steel

REF 609-300-01

1 piece

NEW



Screwdriver

For piston spring screw.

To activate the piston spring screw.

Material: aluminum

REF 609-400-00

1 piece



Variety expansion screws



Variety click Mini – 8

Monoguided special expansion screw with click feature to prevent unwanted reversing. Primarily for treatment of malocclusions in the mandible using fixed appliances, e.g. for distalization, mesialization or for space closure by moving individual teeth. Also for early palatal expansion.

- optimal screw locking during the active treatment phase
- small dimensions with maximum expansion
- reliable activation / deactivation of the screw with clearly perceptible click after a $\frac{1}{4}$ turn
- break resistant retention legs and stable guidance throughout the entire expansion
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion

Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Assembly dimension: 12.9 mm

Screw body: 9.6 mm

4 x $\frac{1}{4}$ turn = 0.8 mm

Material: stainless steel

Maximum expansion	REF (without)	REF (straight)	Quantity
8.0 mm	602-836-12	602-836-10	1 piece
8.0 mm	602-836-32	602-836-30	10 pieces

CE 0483



Variety click SP (small palate) Mini – 8

Monoguided special expansion screw with click feature to prevent unwanted reversing. For the fixed appliance technique. Can be widely used in the upper and lower jaw, for distalization, mesialization of posterior teeth, or for space closure by moving individual teeth. Also for early palatal expansion.

- optimal screw locking during the active treatment phase
- especially suitable for very narrow jaws
- retention legs can be bent very close to the screw body
- small dimensions with maximum expansion
- reliable activation / deactivation of the screw with clearly perceptible click after a $\frac{1}{4}$ turn
- break resistant retention legs and stable guidance throughout the entire expansion
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion

Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Assembly dimension: 12.9 mm

Screw body: 9.6 mm

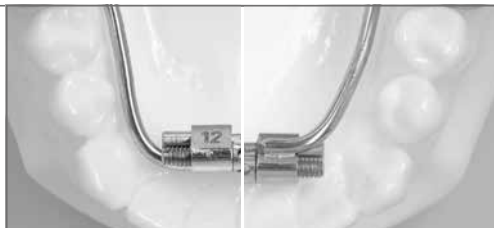
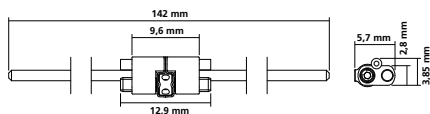
4 x $\frac{1}{4}$ turn = 0.8 mm

Material: stainless steel

Maximum expansion	REF (without)	REF (straight)	Quantity
8.0 mm	602-838-12	602-838-10	1 piece
8.0 mm	602-838-32	602-838-30	10 pieces

CE 0483

Dimensions Variety click / Variety click SP Mini – 8



Variety click Maxi – 12

Monoguided special expansion screw with click feature to prevent unwanted reversing. Primarily for treatment of malocclusions in the mandible using fixed appliances, e.g. for distalization, mesialization or for space closure by moving individual teeth. Also for early palatal expansion.

- optimal screw locking during the active treatment phase
 - small dimensions with maximum expansion
 - reliable activation / deactivation of the screw with clearly perceptible click after a $\frac{1}{4}$ turn
 - break resistant retention legs and stable guidance throughout the entire expansion
 - permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion
- Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Assembly dimension: 17.2 mm

Screw body: 9.6 mm

4 x $\frac{1}{4}$ turn = 0.8 mm

Material: stainless steel

Maximum expansion	REF (without)	REF (straight)	Quantity
12.0 mm	602-837-12	602-837-10	1 piece
12.0 mm	602-837-32	602-837-30	10 pieces

CE 0483



Variety click SP (small palate) Maxi – 12

Monoguided special expansion screw with click feature to prevent unwanted reversing. Primarily for treatment of malocclusions in the mandible using fixed appliances, e.g. for distalization, mesialization or for space closure by moving individual teeth. Also for early palatal expansion.

- optimal screw locking during the active treatment phase
 - especially suitable for very narrow jaws
 - retention legs can be bent very close to the screw body
 - small dimensions with maximum expansion
 - reliable activation / deactivation of the screw with clearly perceptible click after a $\frac{1}{4}$ turn
 - break resistant retention legs and stable guidance throughout the entire expansion
 - permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion
- Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Assembly dimension: 17.2 mm

Screw body: 9.6 mm

4 x $\frac{1}{4}$ turn = 0.8 mm

Material: stainless steel

Maximum expansion	REF (without)	REF (straight)	Quantity
12.0 mm	602-839-12	602-839-10	1 piece
12.0 mm	602-839-32	602-839-30	10 pieces

CE 0483



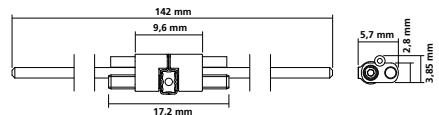
Variety  **click**



Variety  **click SP**



Dimensions Variety click / Variety click SP Maxi – 12



Expansion screws

Variety expansion screws



Variety Mini – 8

Monoguided special expansion screw. Primarily for treatment of malocclusions in the mandible using fixed appliances, e.g. for distalization, mesialization or for space closure by moving individual teeth. Also for early palatal expansion.

- small dimensions with maximum expansion
 - break resistant retention legs and stable guidance throughout the entire expansion
 - the integrated spindle friction prevents unwanted reversing
 - permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion
 - screw can be tied down once desired expansion has been reached
- Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Assembly dimension: 12.9 mm

Screw body: 9.6 mm

4 x 1/4 turn = 0.8 mm

Material: stainless steel

Maximum expansion	REF (without)	REF (straight)	Quantity
8.0 mm	602-815-12	602-815-10	1 piece
8.0 mm	602-815-32	602-815-30	10 pieces

CE 0483



Variety SP (small palate) Mini – 8

Monoguided special expansion screw. Primarily for treatment of malocclusions in the mandible using fixed appliances, e.g. for distalization, mesialization or for space closure by moving individual teeth. Also for early palatal expansion.

- especially suitable for very narrow jaws
- retention legs can be bent very close to the screw body
- small dimensions with maximum expansion
- break resistant retention legs and stable guidance throughout the entire expansion
- the integrated spindle friction prevents unwanted reversing
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion
- screw can be tied down once desired expansion has been reached

Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Assembly dimension: 12.9 mm

Screw body: 9.6 mm

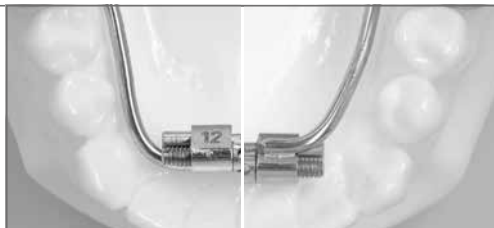
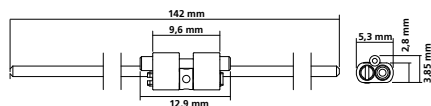
4 x 1/4 turn = 0.8 mm

Material: stainless steel

Maximum expansion	REF (without)	REF (straight)	Quantity
8.0 mm	602-819-12	602-819-10	1 piece
8.0 mm	602-819-32	602-819-30	10 pieces

CE 0483

Dimensions Variety / Variety SP Mini – 8



Variety Maxi – 12

Monoguided special expansion screw. Primarily for treatment of malocclusions in the mandible using fixed appliances, e.g. for distalization, mesialization or for space closure by moving individual teeth. Also for early palatal expansion.

- small dimensions with maximum expansion
- break resistant retention legs and stable guidance throughout the entire expansion
- the integrated spindle friction prevents unwanted reversing
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion
- screw can be tied down once desired expansion has been reached

Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Assembly dimension: 14.9 mm

Screw body: 9.6 mm

4 x 1/4 turn = 0.8 mm

Material: stainless steel

Maximum expansion	REF (without)	REF (straight)	Quantity
12.0 mm	602-806-12	602-806-10	1 piece
12.0 mm	602-806-32	602-806-30	10 pieces



CE 0483

Variety SP (small palate) Maxi – 12

Monoguided special expansion screw. Primarily for treatment of malocclusions in the mandible using fixed appliances, e.g. for distalization, mesialization or for space closure by moving individual teeth. Also for early palatal expansion.

- especially suitable for very narrow jaws
- retention legs can be bent very close to the screw body
- small dimensions with maximum expansion
- break resistant retention legs and stable guidance throughout the entire expansion
- the integrated spindle friction prevents unwanted reversing
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion
- screw can be tied down once desired expansion has been reached

Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Assembly dimension: 14.9 mm

Screw body: 9.6 mm

4 x 1/4 turn = 0.8 mm

Material: stainless steel

Maximum expansion	REF (without)	REF (straight)	Quantity
12.0 mm	602-809-12	602-809-10	1 piece
12.0 mm	602-809-32	602-809-30	10 pieces



CE 0483

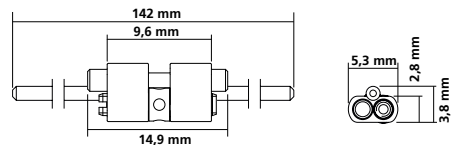
Variety



Variety SP



Dimensions Variety / Variety SP Maxi – 12



Expansion screws

RPE screws



Titan hyrax® Maxi – 12

RPE screw of titanium

For rapid palatal expansion by means of fixed appliances.

The screw is anchored to the teeth using cast titanium and laser-welded cap splints or alternatively using acrylic cap splints fabricated from Orthocryl® acrylic.

Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

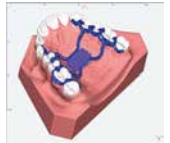
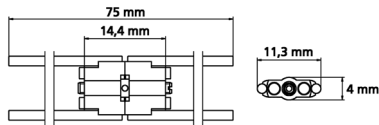
Screw body: 14.4 mm

4 x 1/4 turn = 0.8 mm

Material: titanium

Maximum expansion	REF (without)	REF (straight)	Quantity
12.0 mm	602-810-12	602-810-10	1 piece
12.0 mm	602-810-32	602-810-30	10 pieces

CE⁰⁴⁸³



rematitan® straight wire

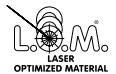
Titanium grade 1

Norm: DIN EN ISO 28319, DIN EN ISO 5832-2

For laser welding.

ø	Length	REF	Quantity
1.00 mm / 39	each 100 mm	528-041-00	10 pieces
1.20 mm / 47	each 100 mm	528-042-00	10 pieces

CE⁰⁴⁸³



hyrax® click Mini – 7

RPE screw with click feature to prevent unwanted reversing

For effective and reliable rapid palatal expansion by means of fixed appliances.

- optimal screw locking during the active treatment phase
- built-in stops prevent the screws from coming apart once maximum expansion has been obtained
- reliable activation / deactivation of the screw with clearly perceptible click after a 1/4 turn
- no accidental reversing when pulling out safety key during activation
- minimal dimensions with maximum expansion range
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion

Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Screw body: 9.8 mm

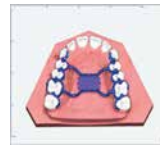
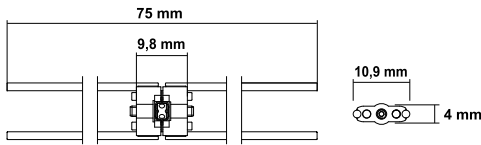
4 x 1/4 turn = 0.8 mm

Material: stainless steel



Maximum expansion	REF (without)	REF (straight)	REF (angulated)	Quantity
7.0 mm	602-830-12	602-830-10	602-831-10	1 piece
7.0 mm	602-830-32	602-830-30	602-831-30	10 pieces

CE 0483



hyrax® click Medium – 10

RPE screw with click feature to prevent unwanted reversing

For effective and reliable rapid palatal expansion by means of fixed appliances.

- optimal screw locking during the active treatment phase
- built-in stops prevent the screws from coming apart once maximum expansion has been obtained
- reliable activation / deactivation of the screw with clearly perceptible click after a 1/4 turn
- no accidental reversing when pulling out safety key during activation
- minimal dimensions with maximum expansion range
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion

Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Screw body: 12.8 mm

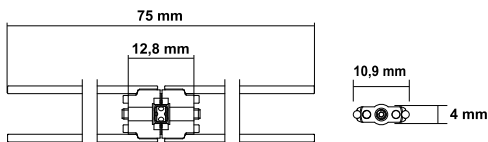
4 x 1/4 turn = 0.8 mm

Material: stainless steel



Maximum expansion	REF (without)	REF (straight)	REF (angulated)	Quantity
10.0 mm	602-832-12	602-832-10	602-833-10	1 piece
10.0 mm	602-832-32	602-832-30	602-833-30	10 pieces

CE 0483



RPE screws



hyrax® click Maxi – 12

RPE screw with click feature to prevent unwanted reversing

For effective and reliable rapid palatal expansion by means of fixed appliances.

- optimal screw locking during the active treatment phase
- built-in stops prevent the screws from coming apart once maximum expansion has been obtained
- reliable activation / deactivation of the screw with clearly perceptible click after a 1/4 turn
- no accidental reversing when pulling out safety key during activation
- minimal dimensions with maximum expansion range
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion

Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

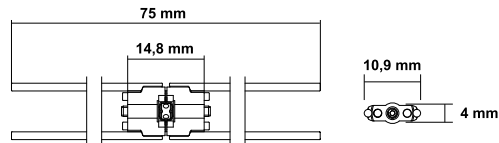
Screw body: 14.8 mm

4 x 1/4 turn = 0.8 mm

Material: stainless steel

Maximum expansion	REF (without)	REF (straight)	REF (angulated)	Quantity
12.0 mm	602-834-12	602-834-10	602-835-10	1 piece
12.0 mm	602-834-32	602-834-30	602-835-30	10 pieces

CE⁰⁴⁸³



tomass®-RPE eyelet

(coupling element for RPE screws)

Eyelet for direct coupling between tomass®-pin with all hyrax® RPE screws with two supports for easier placement on working model.

Can be used for hybrid RPE appliance or skeletal RPE appliance using Pin-Last® approach.

Outer ø eyelet	Inner ø eyelet	Thickness eyelet	REF	Quantity
5.0 mm	top 3.0 mm bottom 2.3 mm	1.5 mm	302-602-00	12 pieces + 2 holders

CE⁰⁴⁸³

hyrax® Mini – 7

RPE screw

For rapid palatal expansion by means of fixed appliances.

- built-in stops prevent the screws from coming apart once maximum expansion has been obtained
- small dimensions with maximum expansion
- break resistant retention legs, stable guidance throughout complete expansion
- the integrated spindle friction prevents unwanted reversing
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion
- screw can be tied down once desired expansion has been reached

Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Screw body: 9.4 mm

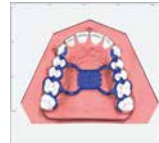
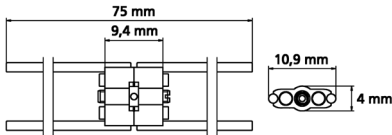
4 x 1/4 turn = 0.8 mm

Material: stainless steel



Maximum expansion	REF (without)	REF (straight)	REF (angulated)	Quantity
7.0 mm	602-800-12	602-800-10	602-801-10	1 piece
7.0 mm	602-800-32	602-800-30	602-801-30	10 pieces

CE 0483



hyrax® Medium – 10

RPE screw

For rapid palatal expansion by means of fixed appliances.

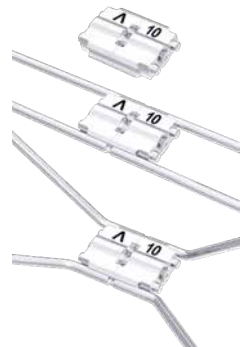
- built-in stops prevent the screws from coming apart once maximum expansion has been obtained
- small dimensions with maximum expansion
- break resistant retention legs, stable guidance throughout complete expansion
- offset body for earliest possible angling of the retention legs
- the integrated spindle friction prevents unwanted reversing
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion
- screw can be tied down once desired expansion has been reached

Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Screw body: 12.4 mm

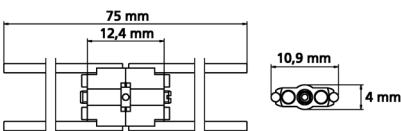
4 x 1/4 turn = 0.8 mm

Material: stainless steel



Maximum expansion	REF (without)	REF (straight)	REF (angulated)	Quantity
10.0 mm	602-808-12	602-808-10	602-840-10	1 piece
10.0 mm	602-808-32	602-808-30	602-840-30	10 pieces

CE 0483



RPE screws



hyrax® Maxi – 12

RPE screw

For rapid palatal expansion by means of fixed appliances.

- built-in stops prevent the screws from coming apart once maximum expansion has been obtained
- small dimensions with maximum expansion
- break resistant retention legs, stable guidance throughout complete expansion
- offset body for earliest possible angling of the retention legs
- the integrated spindle friction prevents unwanted reversing
- permanently laser marked arrow on the body of the screw indicates the opening direction and max. expansion
- screw can be tied down once desired expansion has been reached

Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

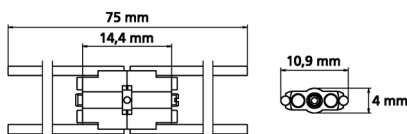
Screw body: 14.4 mm

4 x 1/4 turn = 0.8 mm

Material: stainless steel

Maximum expansion	REF (without)	REF (straight)	REF (angulated)	Quantity
12.0 mm	602-811-12	602-811-10	602-812-10	1 piece
12.0 mm	602-811-32	602-811-30	602-812-30	10 pieces

CE 0483



hyrax® neo Mini – 7

RPE screw

For rapid palatal expansion by means of a fixed appliance.

- (no active) expansion stop
- small dimensions with maximum expansion
- TAD-optimized design
- break resistant retention legs, stable guidance throughout complete expansion
- the integrated spindle friction prevents unwanted reversing
- permanently laser marked arrow on the body of the screw indicates the opening direction and maximum expansion
- screw can be tied down once desired expansion has been reached

Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

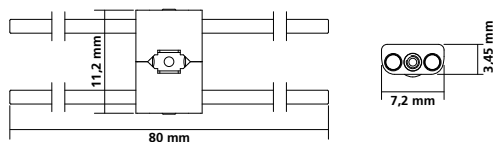
Screw body: 11.2 mm

4 x 1/4 turn = 0.8 mm

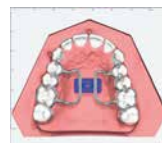
Material: stainless steel

Maximum expansion	REF (without)	REF (straight)	Quantity
7.0 mm	602-845-12	602-845-10	1 piece
7.0 mm	602-845-32	602-845-30	10 pieces

CE 0483



NEW



hyrax® neo Medium – 10

RPE screw

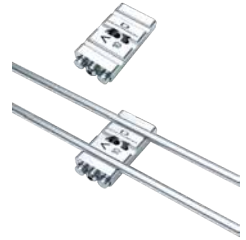
For rapid palatal expansion by means of a fixed appliance.

- (no active) expansion stop
 - small dimensions with maximum expansion
 - TAD-optimized design
 - break resistant retention legs, stable guidance throughout complete expansion
 - the integrated spindle friction prevents unwanted reversing
 - permanently laser marked arrow on the body of the screw indicates the opening direction and maximum expansion
 - screw can be tied down once desired expansion has been reached
- Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Screw body: 12.4 mm

4 x 1/4 turn = 0.8 mm

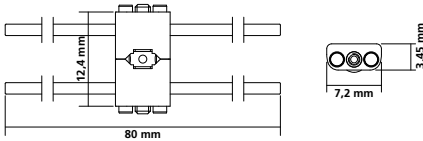
Material: stainless steel



Maximum expansion	REF (without)	REF (straight)	Quantity
10.0 mm	602-846-12	602-846-10	1 piece
10.0 mm	602-846-32	602-846-30	10 pieces

CE 0483

NEW



hyrax® neo Maxi – 12

RPE screw

For rapid palatal expansion by means of a fixed appliance.

- (no active) expansion stop
 - small dimensions with maximum expansion
 - TAD-optimized design
 - break resistant retention legs, stable guidance throughout complete expansion
 - the integrated spindle friction prevents unwanted reversing
 - permanently laser marked arrow on the body of the screw indicates the opening direction and maximum expansion
 - screw can be tied down once desired expansion has been reached
- Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Screw body: 14.4 mm

4 x 1/4 turn = 0.8 mm

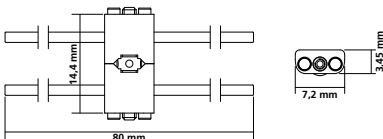
Material: stainless steel



Maximum expansion	REF (without)	REF (straight)	Quantity
12.0 mm	602-847-12	602-847-10	1 piece
12.0 mm	602-847-32	602-847-30	10 pieces

CE 0483

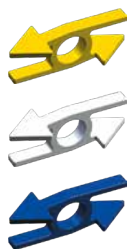
NEW



Accessories

Arrow to indicate the opening direction

For expansion screws.



Color	REF	Quantity
yellow	611-130-00	50 pieces
white	611-131-00	50 pieces
pearl-blue	611-132-00	50 pieces

CE



Universal bending key

Easy bending of the retention legs of all hyrax® and Variety screws without using any additional pliers (leverage principle).
Material: stainless steel

REF 611-122-00	1 piece
----------------	---------



Safety key

Can be used with all Dentaurem hyrax® and Variety screws.
For safe intra-oral activation of the expansion screws in fixed appliances.

REF 611-120-01	10 pieces
----------------	-----------

CE



Expansion screw key, standard straight, small

Can be used with all Dentaurem expansion screws.
To activate all expansion screws in removable appliances (outside of the mouth).
Material: stainless steel

REF 611-115-00	1 piece
REF 611-115-30	10 pieces
REF 611-115-60	100 pieces

CE



Expansion screw key, large with elongated handle

Can be used with all Dentaurem expansion screws.
To activate all expansion screws in removable appliances (outside of the mouth).
Material: stainless steel

REF 611-116-00	1 piece
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CE

Expansion screw sample kit

The kit includes a selection from Dentaaurum's large range of expansion screws and is for promotional and demonstration purposes only. The content of this kit is not certified for use on patients!

Filled with 27 expansion screws that are on stock, 2 expansion screw keys and 1 universal bending key. **1 set = 30 pieces.**

REF 612-000-00

1 set



Wedge gauge

For checking the gap width on palatal expanders.

REF 043-720-00

1 piece

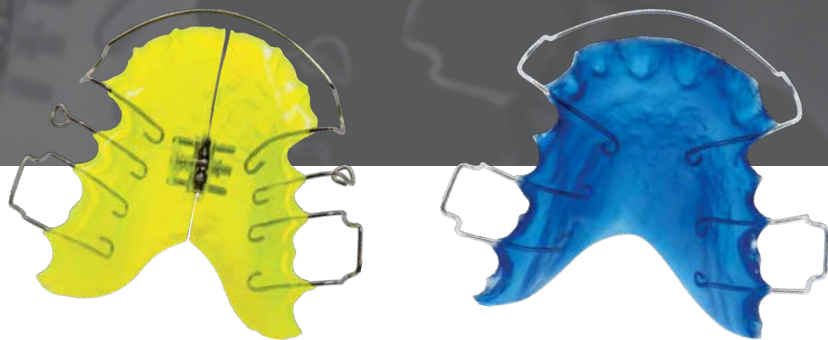


Orthocryl® LC	Page	320
Orthocryl® / Assortments	Page	322
Orthocryl® / Single packs	Page	323
Disco glitter	Page	325
Decals	Page	326
Accessories	Page	330
Appliance containers and accessories	Page	335



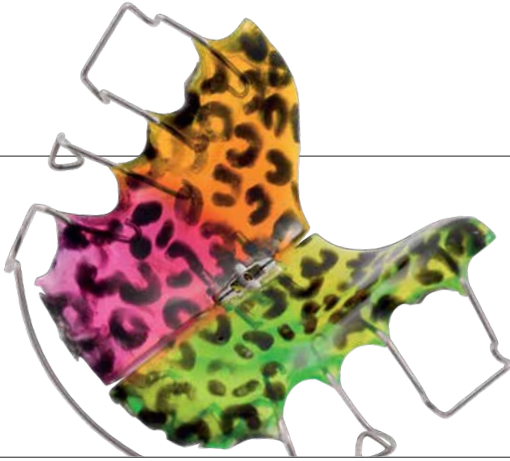
Orthodontic acrylics.

Vibrant colors – fascinating varieties.



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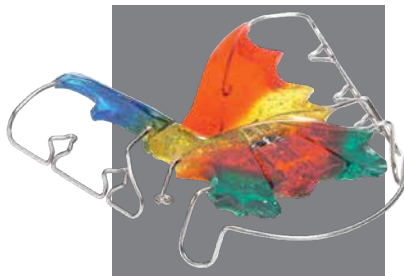




The versatile acrylic system.

Orthocryl® has been a fixture in orthodontic laboratories for 60 years. For generations, it has combined excellent product characteristics and easy handling.

There are no limits to your creativity, regardless of whether you choose black, white or multi-color – Orthocryl® offers maximum freedom in design with its variety of lively colors, glitter and decals. Apart from the conventional cold-curing acrylic, Orthocryl® is also available as light-curing material. Orthocryl® LC is especially designed to meet the requirements for fabricating orthodontic appliances. It is light-curing, time-saving and easy to use.



Orthocryl® LC

The light-curing acrylic.

Orthocryl®

Suited for the salt-and-pepper technique.

Orthocryl® Neon

Vivid colors.

Orthocryl® EQ

Suited for the doughing technique.

Orthocryl® black & white

High-contrast, versatile.

A wide range of field-proven accessories

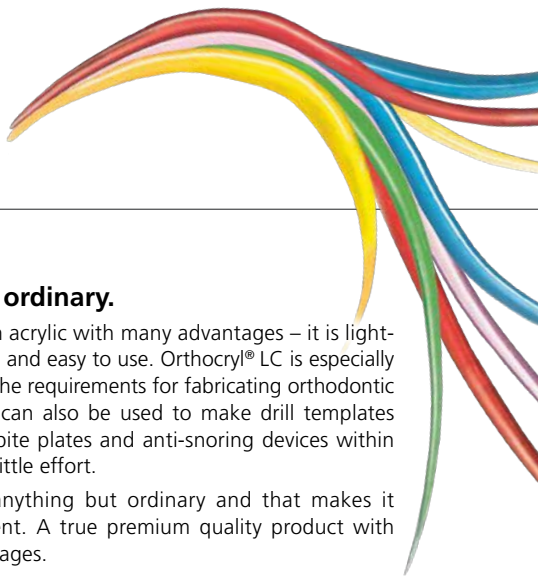
All from one source.



Orthocryl® LC



The light-curing acrylic for orthodontists.



Anything but ordinary.

Orthocryl® LC is an acrylic with many advantages – it is light-curing, time-saving and easy to use. Orthocryl® LC is especially designed to meet the requirements for fabricating orthodontic appliances. But it can also be used to make drill templates for implantology, bite plates and anti-snoring devices within seconds and with little effort.

Orthocryl® LC is anything but ordinary and that makes it delightfully different. A true premium quality product with undeniable advantages.

Advantages:

- Extremely easy to use.
- Saves time and material.
- Optimal flowability.
- Wide range of applications.
- Completely odorless.
- Biocompatible.

Easy to use and flexible.

Orthocryl® LC is extremely easy to use. The product is delivered ready to use in black, opaque cartridges. Time-consuming preparation steps have become superfluous: the acrylic does not have to be doughed or salt-and-peppered anymore.

The material can be directly applied from the cartridge to the prepared model. The application injector helps to apply the right dosage in the right spot. The easy handling saves both a great amount of time when processing and finishing the appliance and a lot of material.

Due to its optimal flowability, Orthocryl® LC can be easily adapted to the prepared model.

Orthocryl® LC is available in three colors. Adding Disco glitter or decals from the extensive Orthocryl® program makes each appliance unique.



Orthocryl® LC



Orthocryl® LC starter set

Light-curing acrylic.

REF 160-400-00	1 set
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CE 0483

Contents:

2 x Orthocryl® LC, clear	REF 160-401-00
2 x Orthocryl® LC, transparent pink	REF 160-402-00
2 x Orthocryl® LC, blue	REF 160-404-00
1 x injector for Orthocryl® LC	REF 160-420-00
50 x cartridge tip for Orthocryl® LC	REF 160-421-00



Orthocryl® LC starter set, clear

Light-curing acrylic.

REF 160-400-20	1 set
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CE 0483

Contents:

6 x Orthocryl® LC, clear	REF 160-401-00
1 x injector for Orthocryl® LC	REF 160-420-00
50 x cartridge tip for Orthocryl® LC	REF 160-421-00

Orthocryl® LC

Light-curing acrylic in opaque cartridge.

Color	REF	Quantity
clear	160-401-00	30 g
transparent pink	160-402-00	30 g
blue	160-404-00	30 g



CE 0483

Bite paste

For Orthocryl® LC.
Color: transparent

REF 160-410-00	50 g
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CE 0483



Injector

For Orthocryl® LC.

REF 160-420-00	1 piece
----------------	---------



Cartridge tip

For Orthocryl® LC.

REF 160-421-00	50 pieces
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Cleaning liquid

For Orthocryl® LC.

REF 160-430-00	100 ml
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Stand for cartridges

For Orthocryl® LC. Fits 6 cartridges.

Material: Plastic

Do not use disinfectants containing ethanol, phenol or alcohol.

Dimensions: approx. 170 mm x 110 mm x 110 mm (W x H x D)

Color: transparent, clear

REF 160-422-00	1 piece
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Orthodentic acrylics

Orthocryl® / Assortments



Orthocryl® starter set, clear

REF 161-912-00	1 set
CE 0483 Contents:	
1 x Orthocryl® powder (polymer), clear	REF 160-112-00
1 x Orthocryl® liquid (monomer), clear	REF 161-100-00
1 x separating medium	REF 162-800-00
2 x spray bottle	REF 162-100-00
1 x measuring beaker	REF 162-200-00
1 x funnel	REF 162-600-00
1 x spray nozzle for powder (polymer)	REF 162-751-00
1 x spray nozzle for liquid (monomer)	REF 162-752-00



Orthocryl® set, small Small set 200 g powder (polymer) and 100 ml liquid (monomer)

Color	REF	Quantity
transparent pink	160-501-00	1 set
clear	160-502-00	1 set

CE 0483



Orthocryl® multi-colored palette, assortment

REF 160-600-00	1 assortment
CE 0483 Contents:	
1 x Orthocryl® powder (polymer), clear	REF 160-112-00
1 x Orthocryl® liquid (monomer), red	REF 161-127-00
1 x Orthocryl® liquid (monomer), green	REF 161-128-00
1 x Orthocryl® liquid (monomer), blue	REF 161-129-00
1 x Orthocryl® liquid (monomer), yellow	REF 161-130-00
1 x funnel	REF 162-600-00



Orthocryl® Neon assortment Brightly colored acrylic Liquid (monomer)

Brightly colored Orthocryl® liquid (monomer) for producing brightly colored orthodontic appliances. Cold curing acrylic resin with wide range of processing options permitting the efficient fabrication of orthodontic appliances. Easy processing, using both the doughing and the salt-and-pepper technique in conjunction with the clear Orthocryl® powder (polymer, REF 160-112-00 / 160-212-00). Disco glitter can also be used to enhance the effect of the colors.

REF 160-700-00	1 assortment
CE 0483 Contents:	
1 x Orthocryl® powder (polymer), clear	REF 160-112-00
1 x Orthocryl® liquid (monomer), neon yellow	REF 161-135-00
1 x Orthocryl® liquid (monomer), neon orange	REF 161-136-00
1 x Orthocryl® liquid (monomer), neon pink	REF 161-137-00
1 x Orthocryl® liquid (monomer), neon green	REF 161-138-00
1 x Orthocryl® liquid (monomer), neon blue	REF 161-139-00
1 x funnel	REF 162-600-00

Orthocryl®

Powder (polymer)

Cold curing acrylic resin with wide range of processing options permitting the efficient fabrication of orthodontic appliances. **Optimal stability using the salt-and-pepper technique.**

Also very suitable for the doughing technique.

Color	REF	Quantity	REF	Quantity
clear	160-112-00	1 kg	160-212-00	10 kg

CE 0483



Orthocryl® EQ

Powder (polymer)

Cold curing acrylic resin with wide range of processing options permitting the efficient fabrication of orthodontic appliances. **Optimal flowability using the doughing technique.**

Also very suitable for the salt-and-pepper technique.

Color	REF	Quantity	REF	Quantity
clear	160-300-00	1 kg	160-301-00	10 kg

CE 0483



Orthocryl® black & white

Powder (polymer), opaque

Cold curing acrylic resin with wide range of processing options permitting the efficient fabrication of orthodontic appliances. **Optimal stability using the salt-and-pepper technique.**

Also very suitable for the doughing technique.

Color	REF	Quantity	REF	Quantity
black	160-011-00	200 g	160-013-00	1 kg
white	160-012-00	200 g	160-014-00	1 kg

CE 0483



Orthocryl® Neon

Brightly colored acrylic

Liquid (monomer)

Brightly colored Orthocryl® liquid (monomer) for producing brightly colored orthodontic appliances. Cold curing acrylic resin with wide range of processing options permitting the efficient fabrication of orthodontic appliances. Easy processing, using both the doughing and the salt-and-pepper technique in conjunction with the clear Orthocryl® powder (polymer, REF 160-112-00 / 160-212-00). Disco glitter can also be used to enhance the effect of the colors.

Color	REF	Quantity
neon yellow	161-135-00	250 ml
neon orange	161-136-00	250 ml
neon pink	161-137-00	250 ml
neon green	161-138-00	250 ml
neon blue	161-139-00	250 ml

CE 0483



Orthodocryl acrylics

Orthocryl® / Single packs



Orthocryl®

Liquid (monomer)

Cold curing acrylic resin with wide range of processing options permitting the efficient fabrication of orthodontic appliances.

Color	REF	Quantity	REF	Quantity	REF	Quantity
red	161-127-00	250 ml				
green	161-128-00	250 ml				
blue	161-129-00	250 ml				
yellow	161-130-00	250 ml				
turquoise	161-131-00	250 ml				
pink	161-132-00	250 ml				
emerald green	161-133-00	250 ml				
violet	161-134-00	250 ml				
clear			161-100-00	500 ml	161-150-00	1000 ml
transparent pink			161-300-00	500 ml	161-350-00	1000 ml

CE⁰⁴⁸³



Orthocryl®

Color concentrate

For tinting clear Orthocryl® liquid (monomer, REF 161-100-00 / 161-150-00). With one dispensing pipette.

Color	Mixing ratio	REF	Quantity
red	1 : 10	161-620-00	100 ml
blue	1 : 50	161-622-00	100 ml

CE⁰⁴⁸³

Mixing ratio:

	Liquid, clear	Color concentrate	Liquid, clear	Color concentrate
1 : 10 (red)	100 ml	10 ml	50 ml	5 ml
1 : 50 (blue)	100 ml	2 ml	50 ml	1 ml

Orthocryl® Disco glitter

For coloring the removable appliances. The glitter is simply added as desired to the Orthocryl® powder (polymer) to give the appliance an attractive luster. No change in the processing of Orthocryl® is necessary. The appliances can be finished and polished without difficulty.

Mixing ratio:

0.5 : 100 (by volume glitter : powder)

Color	REF	Quantity
iris	161-605-00	50 g
red	161-606-00	50 g
blue	161-607-00	50 g
silver	161-608-00	50 g
gold	161-609-00	50 g
mother-of-pearl	161-611-00	50 g



Orthodontic acrylics

Decals



Decals, assortment

For placing in orthodontic appliances. For polymerizing into Orthocryl® acrylic, allowing removable orthodontic appliances to be fabricated to suit individual patient preferences.

Contents:

Assortment consists of 20 individual designs
20 pieces each = 400 pieces, plus tweezers.

REF 160-100-00	1 assortment
CE	
Contents:	
20 x Crocodile	REF 160-100-01
20 x Frog	REF 160-100-02
20 x Parrot	REF 160-100-04
20 x Ladybug	REF 160-100-05
20 x Dragon	REF 160-100-06
20 x Fish	REF 160-100-07
20 x Formula 1 (Indy racecar)	REF 160-100-09
20 x Elephant	REF 160-100-10
20 x Heart	REF 160-100-11
20 x Duck	REF 160-100-12
20 x Dinosaur	REF 160-100-13
20 x Motorcycle	REF 160-100-14
20 x Snail	REF 160-100-15
20 x Teddy bear	REF 160-100-16
20 x Mushrooms	REF 160-100-18
20 x Car	REF 160-100-19
20 x Raven	REF 160-100-27
20 x Devil	REF 160-100-29
20 x Soccer player	REF 160-100-31
20 x Mouse	REF 160-100-45



Decal Football

Sheet with two different sizes of design

For placing in orthodontic appliances. For polymerizing into Orthocryl® acrylic, allowing removable orthodontic appliances to be fabricated to suit individual patient preferences.

Motif	REF	Quantity
Football	160-100-39	1 sheet = 20 pieces

CE



Decal Beaver

For placing in orthodontic appliances. For polymerizing into Orthocryl® acrylic, allowing removable orthodontic appliances to be fabricated to suit individual patient preferences.

Motif	REF	Quantity
Beaver	160-100-40	1 sheet = 20 pieces

CE



Decals Black Edition

For placing in orthodontic appliances. For polymerizing into Orthocryl® acrylic, allowing removable orthodontic appliances to be fabricated to suit individual patient preferences.

Motif	REF	Quantity
Black Edition	160-100-41	1 sheet = 12 motifs

CE

Decal

For placing in orthodontic appliances. For polymerizing into Orthocryl® acrylic, allowing removable orthodontic appliances to be fabricated to suit individual patient preferences.

Motif	REF	Quantity
Hello Beaver	160-100-42	2 sheets = 20 pieces
Horse	160-100-43	2 sheets = 20 pieces
Pink Pony	160-100-44	2 sheets = 20 pieces
Unicorn	160-100-46	2 sheets = 20 pieces

**Decal**

For placing in orthodontic appliances. For polymerizing into Orthocryl® acrylic, allowing removable orthodontic appliances to be fabricated to suit individual patient preferences.

Motif	REF	Quantity
Crocodile	160-100-01	20 pieces
Frog	160-100-02	20 pieces
Parrot	160-100-04	20 pieces



Decals

Decal

For placing in orthodontic appliances. For polymerizing into Orthocryl® acrylic, allowing removable orthodontic appliances to be fabricated to suit individual patient preferences.



Motif	REF	Quantity
Ladybug	160-100-05	20 pieces
Dragon	160-100-06	20 pieces
Fish	160-100-07	20 pieces
Formula 1 (Indy Racecar)	160-100-09	20 pieces
Elephant	160-100-10	20 pieces
Heart	160-100-11	20 pieces
Duck	160-100-12	20 pieces
Dinosaur	160-100-13	20 pieces
Motorcycle	160-100-14	20 pieces
Snail	160-100-15	20 pieces

CE

Decal

For placing in orthodontic appliances. For polymerizing into Orthocryl® acrylic, allowing removable orthodontic appliances to be fabricated to suit individual patient preferences.

Motif	REF	Quantity
Teddybear	160-100-16	20 pieces
Mushrooms	160-100-18	20 pieces
Car	160-100-19	20 pieces
Raven	160-100-27	20 pieces
Spider	160-100-28	20 pieces
Devil	160-100-29	20 pieces
Graffiti	160-100-30	20 pieces
Soccer Player	160-100-31	20 pieces
Mouse	160-100-45	20 pieces
Dolphin	160-100-34	20 pieces



Accessories



Spray bottle

For powder (polymer) and liquid (monomer).

Capacity	REF	Quantity
100 ml	162-100-00	1 piece



Spray nozzle for Orthocryl® liquid (monomer)

Inner ø	Length	REF	Quantity
0.40 mm	10 mm	162-752-00	12 pieces



Spray nozzle for Orthocryl® powder (polymer)

REF 162-751-00	1 piece
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Mixing bowl

Flexible, with suction base. For all mixing jobs in the practice and laboratory.

Do not use with silicone materials!

Material: silicone

Capacity	REF	Quantity
5 ml	162-501-00	3 pieces
25 ml	162-502-00	1 piece
75 ml	162-503-00	1 piece



Funnel

REF 162-600-00	1 piece
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Measuring beaker

REF 162-200-00	1 piece
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Dispensing pipette

For Orthocryl® color concentrates.

REF 162-101-00	10 pieces
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Separating medium

REF 162-800-00	1000 ml
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Special alginate-based separating medium that forms a thin, abrasive-resistant separating film.

Separates:

- plaster from acrylic
- plaster from plaster

Color: pink



3D separating medium

REF 162-801-00	100 ml
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Forms a separating layer between the acrylic models and Orthocryl® / Orthocryl® LC.

Color: green



Modeling wax, pink

For acrylic work, construction bites etc.

- pliable
- very easy to model
- firm up to approx. 37 °C / 98.6 °F
- easy fixation of teeth

Melting point	Dimensions (L x W)	Thickness	REF	Quantity
60 °C / 140 °F	175 mm x 80 mm	1.50 mm	119-150-00	500 g



CE

Thermo wax

- heat-resistant wax for blocking-out
- for covering springs used in the Orthocryl® technique
- prevents acrylic from becoming milky in appearance

Melting point	Color	REF	Quantity
87 °C / 188.6 °F	pink	120-170-00	50 g



Sticky wax

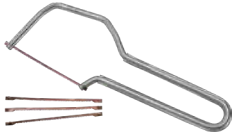
- good adhesive effect on all materials
- ideal for the fixation of retentive or support elements, repair and soldering work

Melting point	Color	REF	Quantity
71 °C / 159.8 °F	red	122-300-00	60 g



Orthodontic acrylics

Accessories



Saw

For orthodontics / prosthetics.
Small saw with replaceable blades.

Contents:

Saw incl. 3 saw blades

REF 180-702-00

1 piece



Saw blade

For saw.

Length	REF	Quantity
70 mm	180-703-00	5 pieces



FKO-split-post fixator

acc. to Gordon

This split-post fixator is designed for precise model positioning and holding. Special conical arms allow for the removal and replacement of models.

REF 072-004-00

1 piece



Polyclav®

Pressure vessel for polymerization of cold-curing polymers, induction-compatible.

With safety valve.

Without pressure hose.

Capacity: 4.5 l

REF 070-010-00

1 piece



Pressure hose

For Polyclav® (REF 070-010-00).

Connection plug nipple to fit inlet valve and standard coupling for compressed air sockets.

Length: 1.5 m

Pmax: 8.0 bar

REF 070-015-00

1 piece

Heating plate

For Polyclav® (REF 070-000-00 and 070-010-00).

Power voltage	REF	Quantity
230 V~	070-900-00	1 piece

Technical data

Output	125 W
Thermostat for water temperature	43 °C / 109.4 °F
Power frequency	50 Hz/60 Hz
Weight	2.6 kg
Dimensions (W x H x D)	240 mm x 240 mm x 75 mm



Suction apparatus with charcoal filter

For protection against vapor during processing of acrylics in the laboratory.

- controlled by a photoelectric sensor (automatic switch on/off)
- includes hour meter
- easy-change filter (replace the filter cartridge, REF 072-001-40, after approx. 50 operating hours)

Power voltage	REF	Quantity
230 V~	072-001-00	1 piece
115 V~	072-002-00	1 piece

Technical data

Output	100 W
Power frequency	50 Hz
Weight	6 kg
Dimensions (W x H x D)	220 mm x 260 mm x 260 mm



Dermatril®, disposable rubber gloves

For protection during work with polymethyl methacrylates such as Orthocryl®.

Made from special nitrile, free from powder and natural latex.

Layer thickness	Size	REF	Quantity
0.10 mm	S	162-907-00	100 pieces
0.10 mm	M	162-908-00	100 pieces
0.10 mm	L	162-909-00	100 pieces



CE 0197



Accessories



DubliGel

Specialized duplicating material for secondary model in dental stone.

- very clean duplication with all model dental stones
- excellent cost-effectiveness

Area of application:

- dental stone duplication
- Color: pink

REF 165-501-00

5 kg



ecosil +

Additional cross-linked two component silicone.

- good color contrast
 - green color prevents mixing errors
- extremely thin flowing consistency
 - highly accurate duplicate reproduction
- long working time
 - can be used to re-cast models many times
- medium Shore hardness A (19)
 - use also with ring-free duplicating systems

Component	Color	REF	Quantity	REF	Quantity
A (catalyst)	yellow	108-703-10	1 kg	108-705-10	5 kg
B	blue	108-704-10	1 kg	108-706-10	5 kg

Technical data

	A (catalyst)	B
Mixing ratio	1 : 1	
Viscosity at 23 °C / 73 °F	2000 mPas	
Density	1160 g/l	
Working time	6 min - 8 min	
Setting time	30 min	
Shore hardness A	18-20	
Elastic memory	99.9 %	



Tap

For 5 kg canister.

REF 108-716-00

1 piece

Appliance container, mini

The mini version is especially suitable for single appliances and oral screens (e.g. the Ulmer model).

Material: Plastic (dimensionally stable and impact resistant)

Dimensions (W x H x D): 7.00 cm x 3.30 cm x 4.80 cm

Size	Color	REF	Quantity
mini	pearl blue	163-602-01	10 pieces
mini	turquoise	163-610-01	10 pieces
mini	neon coral	163-611-01	10 pieces
mini	neon green	163-612-01	10 pieces



Appliance container, maxi

The maxi version is especially suitable for bimaxillary appliances (e.g. activator, bionator).

Material: Plastic (dimensionally stable and impact resistant)

Dimensions (W x H x D): 7.80 cm x 4.50 cm x 5.60 cm

Size	Color	REF	Quantity
maxi	ruby-red	163-701-01	10 pieces
maxi	pearl blue	163-702-01	10 pieces
maxi	pink	163-703-01	10 pieces
maxi	black	163-707-01	10 pieces
maxi	turquoise	163-710-01	10 pieces
maxi	neon coral	163-711-01	10 pieces
maxi	neon green	163-712-01	10 pieces
maxi	neon yellow	163-713-01	10 pieces



Appliance containers, magnum

The magnum version is especially suitable for extremely large appliances

(e.g. Fraenkel appliances, orthodontic appliances for adult treatment, or dentures).

Material: Plastic (dimensionally stable and impact resistant)

Dimensions (W x H x D): 6.80 cm x 4.70 cm x 7.80 cm

Size	Color	REF	Quantity
magnum	ruby-red	163-801-01	10 pieces
magnum	pearl blue	163-802-01	10 pieces



Orthodontic acrylics

Appliance containers and accessories



Appliance container, football

Universal size for removable upper appliances, bimaxillary appliances and function regulators incl. snap hook.
Material: Plastic (dimensionally stable and impact resistant)

Color	REF	Quantity
black-white	163-805-01	10 pieces



Snap hook

For attaching the appliance container to a belt loop.

REF 163-801-00	10 pieces
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Cord with safety lock

For appliance containers, printed with Dentaureum.

Color	REF	Quantity
a variety of colors	163-807-00	25 pieces

Premium-Line pliers	Page	342
Pliers and instruments	Page	346
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Pliers and instruments.

Premium quality – premium function.



DENTAURUM
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One program to cover all areas.

Whether for removable orthodontics or for prosthetics, the Dentaureum pliers program includes instruments to serve all standard requirements. The user can always trust in consistent quality and reliability. This ensures quicker, more effective use.

Made in Germany.

Highly-experienced craftsmanship and state-of-the-art machinery have been used to produce these high-quality pliers which remain true to the tagline "Made in Germany". For this reason, Dentaureum's Premium-Line pliers are extra long-lasting*.






PREMIUM
LINE

10 year guarantee!**



*For instructions on how to clean and take care of the Dentaaurum pliers and instruments, please refer to our separate information sheet REF 989-590-20. Repair service available on manufacturer's site (e.g. wear).

** The 10 year guarantee is on material and workmanship, loosening of cutting inserts, breakage and corrosion of pliers' body, providing the instruments have been used correctly and properly maintained. The guarantee does not apply if the equipment has been manipulated in any way.

Premium-Line pliers



Angle wire bending pliers standard sterilizable

Sturdy constructed pliers with one cone and one pyramid shaped beak.

Max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 003-139-00

1 piece

CE



Angle wire bending pliers sterilizable

Sturdy constructed pliers with one cone and one pyramid shaped beak. Inserts made of hard metal.

Max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 004-139-00

1 piece

CE



Loop forming pliers Medium

For bending small springs, eyelets and loops.

Max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 003-053-00

1 piece



Loop forming pliers Maxi

For bending springs, loops and space maintainers.

Max. wire thickness: \varnothing 0.8 mm, hard

Premium-Line · 10 year guarantee

REF 003-233-00

1 piece



Ruhland loop forming pliers Magnum

For bending coffin springs and connecting springs, labial arches and U-loops.

Max. wire thickness: \varnothing 1.1 mm, hard

Premium-Line · 10 year guarantee

REF 001-650-00

1 piece



Adams pliers Medium

With two smooth, rectangular beaks. **With guiding grooves.**

Length: 12.0 cm

Max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 003-514-00

1 piece

NEW

Adams pliers Medium

With two smooth, rectangular beaks.
Hard metal coated working faces.

Length: 12.0 cm

Max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 003-515-00

1 piece



Adams pliers Medium

With two smooth, rectangular beaks.
Inserts made of hard metal. With guiding groove.

Length: 12.0 cm

Max. wire thickness: \varnothing 0.7 mm, spring hard

Premium-Line · 10 year guarantee

REF 004-515-00

1 piece



Adams pliers Maxi

With two smooth, rectangular beaks.

Length: 14.5 cm

Max. wire thickness: \varnothing 0.8 mm, hard

Premium-Line · 10 year guarantee

REF 003-094-00

1 piece



Adams pliers Medium

With one smooth, rectangular and one smooth, rounded beak.

Length: 14.0 cm

Max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 003-516-00

1 piece



Adams pliers Maxi

With one smooth, rectangular and one smooth, rounded beak. Inserts made of hard metal.

Length: 16.0 cm

Max. wire thickness: \varnothing 0.8 mm, hard

Premium-Line · 10 year guarantee

REF 004-095-00

1 piece



Wire bending pliers, wide

Serrated tips. With guiding groove.

Max. wire thickness: \varnothing 0.8 mm, hard

Premium-Line · 10 year guarantee

REF 033-452-00

1 piece



Premium-Line pliers



Wire bending pliers Maxi

Universal bending and cutting pliers.

Inserts made of hard metal.

Max. wire thickness: \varnothing 0.9 mm, hard

Cuts up to: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 013-522-00

1 piece



Universal wire bending pliers

With serrated tips and guiding grooves.

Hard metal coated working faces.

Max. wire thickness: \varnothing 0.8 mm, hard

Premium-Line · 10 year guarantee

REF 003-290-00

1 piece



Pointed beak pliers

Smooth beaks with guiding groove.

Inserts made of hard metal.

Max. wire thickness: \varnothing 0.7 mm, spring hard

Premium-Line · 10 year guarantee

REF 004-455-00

1 piece



Pointed beak pliers

Serrated beaks with guiding groove. Fine pointed.

Max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 035-455-00

1 piece



Young loop pliers

Universal pliers for different size loops. Ideal for labial arches.

Max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 012-074-00

1 piece



Aderer 3-Prong pliers Mini

Length: 12.5 cm

Max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 003-201-00

1 piece

Premium-Line pliers

Aderer 3-Prong pliers Medium

Length: 12.5 cm

Max. wire thickness: \varnothing 0.9 mm, hard

Premium-Line · 10 year guarantee

REF 003-200-00

1 piece



Aderer 3-Prong pliers Maxi

Sturdy design.

Length: 15.0 cm

Max. wire thickness: \varnothing 1.5 mm, hard

Premium-Line · 10 year guarantee

REF 003-202-00

1 piece



Arrow clasp former

Max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee



REF 012-520-00

1 piece



Arrow clasp bending pliers

Max. wire thickness: \varnothing 0.7 mm, hard

Premium-Line · 10 year guarantee



REF 012-521-00

1 piece



Facebow bending pliers Magnum sterilizable

Ideal for bending the outer bows of a facebow.

Max. wire thickness: \varnothing 1.8 mm

Premium-Line · 10 year guarantee

REF 003-180-01

1 piece

CE



Pliers and instruments



Heavy gauge side cutter Magnum

Little force required for cutting through large size wires due to special design.

We do not recommend using the front third of the cutters for cutting wires with the maximum indicated thickness!

Max. wire thickness: \varnothing 1.3 mm, hard

REF 044-177-00

1 piece



Scissors

For cutting thin metal bands.

Version	REF	Quantity
straight	007-024-00	1 piece
curved	008-025-00	1 piece



Mosquito forceps, without hook

sterilizable

Crown forceps or for placing Dentalastics® plastic ligatures.

REF 000-730-00

1 piece

CE



Crown Master forceps

Firm grip of crowns. Heat-resistant up to 200 °C / 392 °F.

REF 260-300-02

1 piece



Model and casting ring tongs

- angled jaws give more secure grip for refractory models and casting rings (Sizes 1 / 3 / 6)
- stainless

Length: 36.0 cm

REF 127-410-00

1 piece

Maintenance and protection oil

For the maintenance of pliers and instruments.
Application in particular before sterilisation.

REF 055-201-00	50 ml
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Stand for wires and pliers

Material: plastic

With 6 tubes for straight wires.

Do not use disinfectants containing ethanol, phenol or alcohol.

Color: transparent, clear

Height: approx. 13 cm

Width: approx. 18 cm

REF 055-101-01	1 piece
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Stand for pliers

Material: plastic

Do not use disinfectants containing ethanol, phenol or alcohol.

Color: transparent, clear

suitable for	Length	REF	Quantity
approx. 7 pliers	13.0 cm	055-000-00	1 piece
approx. 14 pliers	25.5 cm	055-100-00	1 piece



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Equipment.

For professional workmanship.



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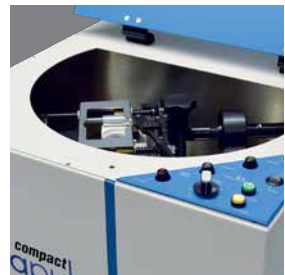


Certified quality made in Germany.

Dentaurum equipment meets the highest demands on laboratory safety and robustness. Not only is functionality of great importance, but also user comfort.

Maintenance-friendly machine construction.

Specially trained mechanics help sustain a professional machine management service. Maintenance contracts and a long-term guarantee of spare parts aid in preserving the machines, even when constantly in use in the laboratory.



desktop Compact

Universal laser welding unit.

Laser Welder SL10

The entry-level model, ideal for orthodontics.

Spot welding unit

Assistent 3000.

megapuls compact

Compact, high frequency casting unit.

Paratherm, Paraline

Surveying and blocking-out devices.

Thermomat

Electrical wax knife with various attachments.

Dual wheel model trimmer

Beautiful models – trimmed quickly and neatly.

Dentaurum laser technology.

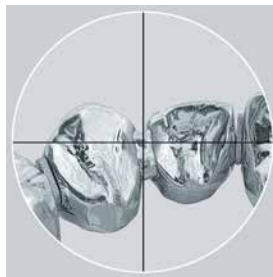
Professional welding in prosthetics.

Laser welding – the modern joining technique.

Laser welding allows more efficient processing. In comparison with traditional soldering, you can save up to 80 % in time. New fabrications and repairs can be carried out better and faster by using a dental laser.

Your advantages:

- gentle on materials.
- biocompatible.
- corrosion resistant.



Maximum stability.

Laser-welded connections present a significantly higher mechanical resistance and are more durable than soldered connections. This means more safety and higher quality for the dentist and patients.

Broad spectrum of application.

It is impossible to imagine the world of joining techniques without laser welding. Compared to soldering, laser welding offers a much wider range of applications.

Whether you want to process precious metal alloys with a high gold content, non-precious alloys or titanium: you can cover the whole range of dental materials using the laser welding units from Dentaureum.

Ergonomics – extremely user-friendly.

A special characteristic feature of the Dentaureum dental lasers is their special ergonomic design. Working becomes a relaxed and easy affair for you.

- The dental lasers demonstrate their excellent ergonomics in the optimal inclination of the laser axis. Thereby not only do you sit relaxed in front of the microscope, but you can also hold the workpiece at an optimal angle.
- Due to the argon nozzle, the workpiece is always flushed with argon. This ensures an oxidation-free weld with high stability.
- The desktop Compact fulfills the highest of demands in all areas of dental prosthetics and orthodontics. The Laser Welder SL10 is the ideal entry model for laser technology.

Welding units and accessories



desktop Compact

Laser welding – powerful and easy to use.

More than 20 years of dental laser welding technique accumulated in a compact table unit. From delicate, detailed welding to secure joints, the desktop Compact laser can be used for all areas of application in dental prosthetics and orthodontics. The finely adjustable dosage makes welding so much easier. Until now, such compact machine measurements were not available in this laser performance category. Simple machine operation prevents fatigue during work.

Advantages:

- extremely compact table top unit
- clear and user-friendly touchscreen
- high output reserve
- ergonomically designed – large working chamber with inclining laser axis
- high-quality microscope with a wide field of vision
- integrated pulse forming – 4 pre-set pulse shapes
- two inert gas nozzles, 1x flexible and 1x fixed retractable
- large pulse adjustment range – easy operation using joysticks
- integrated extraction and cool air nozzle

Further product information is available on request.

Power voltage	REF	Quantity
230 V~	090-578-50	1 piece

Technical data

max. power	60 W
Peak pulse output	7500 W
Pulse energy	50 J
Pulse duration	0.5 ms - 20 ms
Pulse frequency	single pulse - 25 Hz
Welding spot diameter	0.2 mm - 2.0 mm, infinitely variable motorized adjustment
Memory settings	39
Pulse shaping	4 pre-set pulse shapes
Argon nozzle	1 x flexible, 1 x fixed retractable
Air nozzle	integrated in welding chamber
Extraction	integrated with suspended particle filter
Microscope	stereo microscope with 16x magnification
Lighting	2 x 20 W Halogen
max. working height	180 mm
Electric fuse	T 16 A
Power frequency	50 Hz/60 Hz
Weight	50 kg
Dimensions (W x H x D)	510 mm x 430 mm x 645 mm

Welding units and accessories

Laser Welder SL10

The Laser Welder SL10 from Siro Lasertec complements the desktop Compact as an economical entry-level model for the laser welding technique. It is ideal for smaller dental laboratories and orthodontic practices.

Product advantages:

- excellent price-performance ratio
- large color touch display
- particularly suitable for orthodontic appliances
- welding power suitable for all fields of dentistry
- easy to operate
- with microscope
- solid housing
- adjustment of welding parameters on touch panel
- color camera shows welding process on the display
- desktop design



Power voltage	REF	Quantity
230 V~	090-594-00	1 piece

Technical data

max. power	60 W
Peak pulse output	3800 W
Pulse energy	33 J
Pulse duration	0.1 ms - 10 ms
Pulse frequency	0.5 Hz - 20 Hz
Welding spot diameter	0.2 mm - 2.0 mm, infinitely variable motorized adjustment
Protective gas	Argon 99.996 % (Argon 4.6)
Pulse shaping	no
Argon nozzle	1 x flexible
Extraction	integrated with suspended particle filter
Microscope	stereo microscope with 16x magnification
Lighting	2 x 3 W LED
max. working height	200 mm
Electric fuse	T 16 A
Power frequency	50 Hz/60 Hz
Weight	37 kg
Dimensions (W x H x D)	440 mm x 480 mm x 600 mm

NEW

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Welding units and accessories



Electrically adjustable stand

The answer to unsurpassed ergonomics with the Dentaurum desktop laser-welding units.

Advantages:

- this stand offers the user the best possible ergonomics
- the electrically adjustable stand enables the technician to change to his or her comfort level, via a foot switch, within seconds. This offers the most comfortable viewing level, and assures full concentration on the laser work
- the stand is designed to guarantee fatigue-free laser welding, even after extended periods of time
- can be used with all Dentaurum desktop laser-welding units

Power voltage	REF	Quantity
230 V~	090-574-00	1 piece

Technical data

Power frequency	50 Hz
min. working height	740 mm
max. working height	1090 mm



CoCr welding wire

Various dimensions to be used as a filling soldering wire for all CoCr alloys.

Norm: DIN EN ISO 28319

ø	Length	REF	Quantity
0.25 mm / 10	2 m	528-215-10	1 piece
0.35 mm / 14	2 m	528-210-10	1 piece
0.50 mm / 20	2 m	528-200-10	1 piece

CE⁰⁴⁸³

Composition (percentage by mass)

Co	Cr	Mo
65.0	28.0	5.5

Additional elements < 1 %: Mn, N, Si



NiCr welding wire

For laser welding NiCr based alloys. Specifically for high grade alloys such as remanium® CSe and G-soft.

Norm: DIN EN ISO 28319

ø	Length	REF	Quantity
0.50 mm / 20	2 m	528-220-00	1 piece

CE 0483

Composition (percentage by mass)

Ni	Cr	Mo	Nb
63.0	22.0	9.0	3,5

Additional elements < 1 %: Al, Co, Fe, Ti



rematitan® wire on coil

Titanium grade 1

Norm: DIN EN ISO 28319, DIN EN ISO 5832-2

For laser welding of titanium frameworks.

Recommended as filler material for laser welding, e.g. with titanium RPE appliances (Titan hyrax® Maxi – 12).

ø	Length	REF	Quantity
0.40 mm / 16	2 m	528-039-50	1 piece
0.70 mm / 28	2 m	528-040-50	1 piece

CE 0483



rematitan® straight wire

Titanium grade 1

Norm: DIN EN ISO 28319, DIN EN ISO 5832-2

For laser welding.

ø	Length	REF	Quantity
1.00 mm / 39	each 100 mm	528-041-00	10 pieces
1.20 mm / 47	each 100 mm	528-042-00	10 pieces

CE 0483



Welding units and accessories



rematitan® straight wire

Titanium grade 4

Norm: DIN EN ISO 28319, DIN EN ISO 5832-2

For laser welding.

Recommended for axes of swing locks.

ø	Length	REF	Quantity
1.50 mm / 59	50 mm	528-050-00	1 piece

CE⁰⁴⁸³



rematitan® straight wire

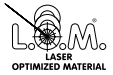
Titanium grade 1

Norm: DIN EN ISO 28319, DIN EN ISO 5832-2

For laser welding.

ø rolled	Length	REF	Quantity
0.50 mm x 1.5 mm / 20 x 59	each 100 mm	528-043-00	10 pieces

CE⁰⁴⁸³



Titanium disc holder for laser welder

This holder is a device for adjusting the crosshair and efficiency check of dental laser welders. The titanium disc is clamped into the adjustable holder. The height is then perfectly adjusted inside the welding chamber. As soon as the titanium disc is visible in the microscope, the laser beam is aimed at the titanium disc and the crosshair can be aligned with that particular point.

REF 090-525-00	1 piece
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Titanium disc

To be used with the titanium disc holder for the laser welder (REF 090-525-00).

REF 090-526-00	5 pieces
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Welding units and accessories

Paralas

Device for parallel alignment of attachments for the laser welding technique.
Incl. 2 paralleling holders for bars: 1.6 mm and 2.1 mm

REF 090-520-00

1 piece



Argon fitting

For laser.
For connecting the laser to the argon bottle.
Flow rate shown in liters.

REF 090-404-00

1 assortment



Armrest cushion

For laser.

REF 090-513-10

2 pieces



Special tungsten electrode

For OrthoPhaser®.
Special electrodes for all applications.
ø: 0.6 mm

REF 090-401-00

10 pieces



Welding units and accessories



Spot welding unit Assistent 3000

- button for continuous soldering
- LED display
- automatic voltage detection
- current limitation if electrode is incorrect
- power saving device (stand-by mode if not used for 10 minutes)
- error indications for:
 - overheating
 - mix-up of electrodes
- connection for hand electrode
- connection for foot switch

Hand electrodes, holder for hand electrodes and foot switch are not included!

Power voltage	REF	Quantity
110 V~ / 240 V~	078-000-00	1 piece

Technical data

Output	140 W
Welding power	up to 2000 A
Welding stages	6 stages
Soldering stages	2 stages, continuous soldering
Electric fuse	T 3.15 A
Power frequency	50 Hz/60 Hz
Weight	8 kg
Dimensions (W x H x D)	335 mm x 130 mm x 310 mm

Welding units and accessories

Foot switch

To be used with the spot welding units Junior 3000, Assistant 3000 and Master 3000.

REF 080-116-00

1 piece



Hand electrode

Suitable for all Dentaaurum spot welding units.

REF 081-101-00

1 piece



Holder for hand electrode

For the spot welding units Junior 3000, Assistant 3000 and Master 3000.

Version	REF	Quantity
for right and left side	081-204-00	2 pieces
for right side	081-205-00	1 piece
for left side	081-206-00	1 piece



Soldering carbon for hand electrode

Suitable for all Dentaaurum spot welding units.
Copper casing.

REF 081-601-00

1 piece



Electrode, notched, for hand electrode

Suitable for all Dentaaurum spot welding units.
For soft-annealing, tempering and welding.

REF 081-501-00

2 pieces



Clamping electrode for hand electrode

Suitable for all Dentaaurum spot welding units.
For soft-annealing, tempering and welding.

REF 081-701-00

1 piece



Welding units and accessories

Welding electrode

Suitable for all Dentaureum spot welding units.

Material: copper



Welding electrode	Version	REF	Quantity
upper	round, fine	085-000-00	1 piece
upper	wide, flat	085-100-00	1 piece
upper	round, thick	085-200-00	1 piece
lower	round, fine	086-000-00	1 piece
lower	wide, notched	086-100-00	1 piece
lower	round, thick	086-200-00	1 piece
lower	wide, flat	086-300-00	1 piece



Soldering electrode

Suitable for all Dentaureum spot welding units.

Carbon with holder.

REF 085-300-00

1 piece



Carbon insert

For soldering electrode (REF 085-300-00).

REF 085-400-00

10 pieces

Welding units and accessories

Screw

For tightening electrodes on Dentaaurum spot welding units.

REF 084-100-00	10 pieces
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File

For cleaning copper and carbon electrodes on spot welding units.

REF 083-300-00	10 pieces
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Heat protection

Protects metal, plastic and ceramic parts against heat damage during soldering.

REF 380-070-00	100 g
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Dentaflux® flux

- universal flux
- for all alloys
- especially for connections between precious and non-precious alloys

REF 681-100-00	50 g
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Welding units and accessories



Universal silver solder

- in rods
- ready fluxed
- cadmium free

Not permitted for intra-oral use.

∅ 1.0 mm - 1.1 mm

Working temperature 700 °C / 1292 °F

REF 380-604-50	1.2 g
REF 380-604-60	10 pieces 1.2 g each

Composition (percentage by mass)

Ag	Zn	Cu
59.0	24.0	16.0



Universal silver solder

- in coils
- without flux
- cadmium free

Not permitted for intra-oral use.

Working temperature 700 °C / 1292 °F

REF 380-704-50	10 g
-----------------------	------

Composition (percentage by mass)

Ag	Zn	Cu
59.0	25.0	16.0



White gold solder

- in rods
- ready fluxed
- purity: ct 18.6
- cadmium free

Not permitted for intra-oral use.

∅ 1.0 mm - 1.1 mm

Working temperature 950 °C / 1742 °F

REF 380-600-50	1.6 g
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Composition (percentage by mass)

Au	Ni	Zn
77.0	16.0	6.0

Casting unit and accessories

megapuls compact

The megapuls compact is a compact, high frequency, centrifugal casting unit. Can be used for all types of casting requirements within the dental laboratory from non-precious metal alloys to precious metal alloys (except titanium). Easy operation and high centrifugal strength aid in producing perfect casting results including detailed technical work.

Advantages:

- exceptionally compact, high frequency casting machine
- extremely good value for money
- very short melting cycles due to strong performance, the casting arm quickly comes to a halt
- capable of casting 25 x in succession
- short melting times: e.g. CoCr model casting approx. 40 s
- easy operation
- high centrifugal strength
- casting performance can be adjusted gradually
- HF coil is lowered automatically

Further product information is available on request.



Power voltage	REF	Quantity
230 V~	090-620-00	1 piece

Technical data

Max. temperature	1750 °C / 3182 °F
Torque	0...21 Nm
max. Melting quantity	100 g precious metal, 70 g CoCr
Water requirement	2 l/min
Power frequency	50 Hz/60 Hz
Weight	55 kg
Dimensions (W x H x D)	560 mm x 400 mm x 580 mm

Equipment

Casting unit and accessories



Crucible for megapuls compact

- long life time
 - minimum adherence of metal and slag
- Field of use:** CoCr, NiCr, Pd alloys
Material: ceramics

REF 090-611-00

10 pieces



Graphite insert

For ceramic crucible REF 090-610-00 and REF 090-611-00.
Field of use: precious metal alloys

REF 090-615-00

10 pieces



Table with integrated water tank and pump

The circulating cooling water means the casting machine megapuls compact works economically and environmentally-friendly. At the same time the height of the table guarantees optimal working height for the casting unit.

Power voltage	REF	Quantity
230 V~	090-606-00	1 piece

Technical data

Output	260 W
Filling quantity	20 l
Pump capacity	9 l/min
Electric fuse	T 1.6 A
Power frequency	50 Hz/60 Hz
Weight	41.5 kg
Dimensions (W x H x D)	680 mm x 650 mm x 600 mm

Casting unit and accessories

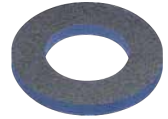
Ceramic seal

For rematitan®, rematitan® autocast and autocast universal® 230 casting machines.

- asbestos free
- high temperature resistant casting ring seal

REF 090-012-60

100 pieces



Crucible for titanium casting machines

For rematitan®, rematitan® autocast and autocast universal® 230 casting machines.

Material: copper

REF 090-110-00

1 piece



Receptacle for ceramic crucible

For autocast universal® casting machine.

REF 090-160-00

1 piece



Ceramic crucible

For autocast universal® casting machine.

Version	REF	Quantity
large	090-161-50	10 pieces



Crucible electrode

For autocast universal® casting machines.

REF 090-162-00

5 pieces



Surveying equipment and accessories



Paratherm Surveying, blocking-out and waxing unit

Advantages:

- flexible measuring movement with linearly guided sliding bars
- horizontal swiveling range of the two arms over the entire working area
- separate measuring and thermal blocking-out rods, vertically spring adjustable. All positions can be fixed in place
- secure lockings
- thermal temperature can be regulated up to 140 °C / 284 °F
- replaceable tips
- heavy, rigid construction
- instrument storage holder
- connection for electric wax knife and holder (Potentiometer and socket)

Contents of delivery:

- 1 Paratherm with surveying and blocking-out arm
- 1 analyzing rod (REF 094-287-00)
- 1 graphite holder (REF 094-288-00)
- 10 replacement graphite markers (Graphite, REF 094-289-00)
- 4 undercut gauges 0.25 mm (REF 094-283-00), 0.35 mm (REF 094-284-00), 0.5 mm (REF 094-285-00), 0.75 mm (REF 094-286-00)
- 2 thermal blocking-out instruments 0° (REF 094-275-00), 2° (REF 094-277-00)
- 1 plastic cover
- 1 fuse

Please order model table (REF 086-340-00) and wax knife (REF 094-272-00) separately.

Power voltage	REF	Quantity
110 V~ / 230 V~ / 240 V~	094-270-00	1 piece

Technical data

Output	22 W
Power frequency	50 Hz/60 Hz
Weight	4.7 kg
Dimensions (W x H x D)	200 mm x 390 mm x 240 mm



Paraline

Surveyor (no blocking-out unit). Based on the Paratherm unit. No connection socket available for electric wax knife.

Contents of delivery:

- 1 Paraline unit
- 1 analyzing rod (REF 094-287-00)
- 1 graphite holder (REF 094-288-00)
- 10 replacement graphite markers (Graphite, REF 094-289-00)
- 4 undercut gauges 0.25 mm (REF 094-283-00), 0.35 mm (REF 094-284-00), 0.5 mm (REF 094-285-00), 0.75 mm (REF 094-286-00)
- 1 plastic cover

Please order model table (REF 086-340-00) separately.

Technical data

Dimensions (W x H x D)	200 mm x 390 mm x 240 mm
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REF 094-290-00	1 piece
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Surveying equipment and accessories

Analyzing rod

For Paratherm and Paraline.

REF 094-287-00

1 piece



Graphite holder

For Paratherm and Paraline.

REF 094-288-00

1 piece



Replacement graphite marker

For Paratherm and Paraline.

REF 094-289-00

10 pieces



Undercut gauge

For Paratherm and Paraline.

Undercut	REF	Quantity
0.25 mm	094-283-00	1 piece
0.35 mm	094-284-00	1 piece
0.50 mm	094-285-00	1 piece
0.75 mm	094-286-00	1 piece



Thermal block-out tip

For Paratherm.

Angle of inclination	REF	Quantity
0 °	094-275-00	1 piece
1 °	094-276-00	1 piece
2 °	094-277-00	1 piece
3 °	094-278-00	1 piece
4 °	094-279-00	1 piece
6 °	094-280-00	1 piece
8 °	094-281-00	1 piece



Surveying equipment and accessories



Electric wax knife

For connection to the Paratherm unit. The models to be blocked-out can be waxed directly on the unit. Anatomically shaped wax knife.

Contents of delivery:

- handpiece
- cable
- wax knife (REF 089-602-00)

Temperature setting: stageless up to 280 °C / 536 °F

REF 094-272-00

1 piece



Model table

- swivel worktop with fixing mechanism
- zero position return
- easy and secure mounting of models
- large base
- stainless steel
- clean and sturdy construction

REF 086-340-60

1 piece

Electric wax knife

Thermomat

Electric wax knife with transformer.

Included:

- 1 wax knife (REF 089-602-00)
- 1 holder for wax knife (REF 089-615-00)
- 1 handpiece with cable (REF 089-612-00)



Power voltage	REF	Quantity
230 V~	089-620-00	1 piece

Technical data

Max. temperature	280 °C / 536 °F, adjustable
Cable length	95 cm
Power frequency	50 Hz

Holder for wax knife

Material: silicone

REF 089-615-00	1 piece
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Electric wax knife

Modeling tip for the Thermomat



Designation	REF	Quantity
Wax knife, small	089-602-00	1 piece
Wax knife, large	089-605-00	1 piece
Modeling tip, fine	089-603-00	1 piece
Modeling tip, medium	089-604-00	1 piece
Modeling spoon	089-606-00	1 piece



Handpiece with cable

For Thermomat (REF 089-620-00).

REF 089-612-00

1 piece

Model trimmer and accessories

Dual wheel model trimmer

For plaster models.

Coarse and fine corundum grinding wheels. Can be used on either side. Separately controlled motor switches with 450 W capacity. Individually controlled water pressure by a magnetic water valve. Work area with squaring and angulation devices.



Power voltage	REF	Quantity
230 V~	091-100-00	1 piece

Technical data

Output	2 x 450 W
Turning rotations	1400 min ⁻¹
Power frequency	50 Hz/60 Hz
Weight	39 kg
Dimensions (W x H x D)	530 mm x 400 mm x 385 mm

Corundum disc

For Dentaurum dual wheel model trimmer (REF 091-100-00).

Grain size	REF	Quantity
46 = coarse	091-101-00	1 piece
120 = fine	091-102-00	1 piece



Diamond disc, coarse

For Dentaurum dual wheel model trimmer (REF 091-100-00).

- long operating life
- extremely high abrasive capacity
- minimal force required

REF 091-105-00	1 piece
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Equipment

Pressure vessel and suction unit



Polyclav®

Pressure vessel for polymerization of cold-curing polymers, induction-compatible.

With safety valve.

Without pressure hose.

Capacity: 4.5 l

REF 070-010-00	1 piece
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Pressure hose

For Polyclav® (REF 070-010-00).

Connection plug nipple to fit inlet valve and standard coupling for compressed air sockets.

Length: 1.5 m

Pmax: 8.0 bar

REF 070-015-00	1 piece
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Heating plate

For Polyclav® (REF 070-000-00 and 070-010-00).

Power voltage	REF	Quantity
230 V~	070-900-00	1 piece

Technical data

Output	125 W
Thermostat for water temperature	43 °C / 109.4 °F
Power frequency	50 Hz/60 Hz
Weight	2.6 kg
Dimensions (W x H x D)	240 mm x 240 mm x 75 mm



Suction apparatus with charcoal filter

For protection against vapor during processing of acrylics in the laboratory.

- controlled by a photoelectric sensor (automatic switch on/off)
- includes hour meter
- easy-change filter (replace the filter cartridge, REF 072-001-40, after approx. 50 operating hours)

Power voltage	REF	Quantity
230 V~	072-001-00	1 piece
115 V~	072-002-00	1 piece

Technical data

Output	100 W
Power frequency	50 Hz
Weight	6 kg
Dimensions (W x H x D)	220 mm x 260 mm x 260 mm

Blasting abrasive**99.6 % aluminum oxide (corundum) Al_2O_3**

- hard, angular, wear-resistant particles for intense, fast cleaning action
- for removing investment in sandblasters
- for surface conditioning with metal surfaces

Color: white

Grain size	Grain size	REF	Quantity
50	44 μm - 74 μm	128-017-00	4,5 kg
100	88 μm - 125 μm	128-020-00	4,5 kg
250	210 μm - 297 μm	128-016-00	10 kg
400	354 μm - 500 μm	128-015-00	10 kg

Dentaurem corundum satisfies the blasting medium requirements of the profession and national health and safety regulations.

**Blasting abrasive****corundum**

For removing investment in sandblasters.

Color: brown

Grain size	Grain size	REF	Quantity
250	210 μm - 297 μm	128-011-00	10 kg
500	420 μm - 595 μm	128-010-00	10 kg

**Polishing beads****hardened silicate**

- uniform hardness, high durability
- for clean, polished, contamination-free surfaces
- no metal removal
- ultra-effective cleaning action

Grain size	Grain size	REF	Quantity
75	50 μm - 105 μm	128-211-00	4,5 kg



Miscellaneous



Mini-Torch

Ignition and flame adjustment is easy and uncomplicated (automatic, with a flick of your finger). Refill as easy as filling a lighter. Adjustable nozzle.

Technical data

Max. temperature	1300 °C / 2372 °F
Filling quantity	65 ml
Weight	280 g

REF 097-400-01

1 piece



Mixing bowl for Airvac 2002

Stirring unit	Filling capacity investment material	Filling capacity plaster	REF	Quantity
large	900 g	700 g	095-062-00	1 piece
medium	500 g	400 g	095-063-00	1 piece
small	120 g	100 g	095-064-00	1 piece



Dust filter for Dentablast and Dentablast Duo

Field of use: when no suction is present

REF 094-538-00

1 piece

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Online media library	Page	384
Download center	Page	386
Social media	Page	388
Build-a-Brace	Page	390



Knowledge.

The key to success.



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shop.dentaurum.com



remanium® kompendium.

Compiled by dental technicians for dental technicians.

www.remanium-kompendium.de/eng

Both the apprentice and experienced dental technician will find a wealth of valuable information on important aspects for the fabrication of non-precious metal restorations in the three-part remanium® kompendium series. The individual chapters of the remanium® kompendium complement one another but are nevertheless self-contained. Practical working stages are photo-documented with the focus always on the pictorial language. A brief description with highlighted advice and tips make it a very appealing and useful reference book.

Chapter 1: Crowns and bridges

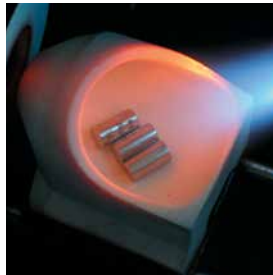
Out of print

Chapter 2: Cast partial dentures

Available online

Chapter 3: Milling technique made of
remanium® alloys

REF 989-474-20





Chapter 1: Crowns and bridges.

The first part of the remanium® kompendium describes the fabrication of crowns and bridges with particular reference to the different processing techniques in comparison to precious metal alloys. The numerous photographs illustrate the individual working stages for the reader including fabrication of a bridge framework, build-up of the ceramic and polishing of a full metal crown.

Chapter 2: Cast partial dentures.

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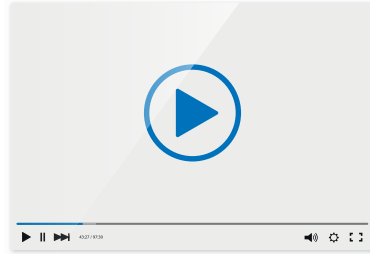
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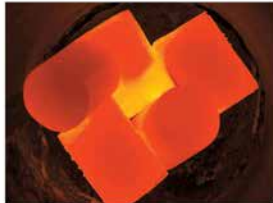


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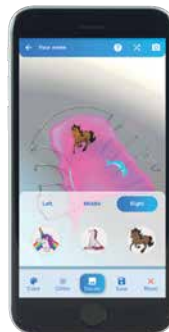
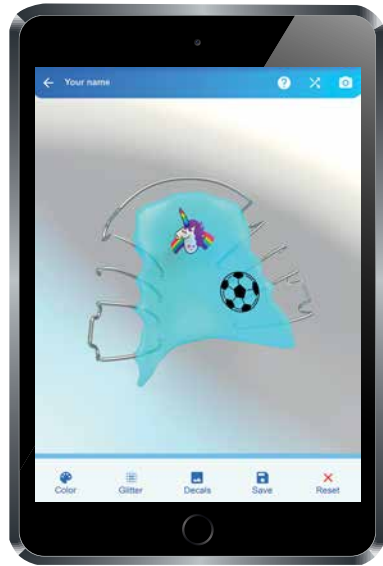
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Overview of materials and alloys

1. Cobalt-based alloys

chemical composition in wt %

Material		Co	Ni	Cr	W	Mo	Si	Fe	Mn	Ta	Nb	C	N	B
Designation														
Crowns and bridges / partial dentures														
remanium® star	60.5	–	28.0	9.0	–	1.5	–	< 1.0	–	< 1.0	–	< 1.0	–	–
remanium® segura	58.0	–	30.0	5.5	3.0	1.5	–	–	1.25	–	–	< 1.0	–	–
remanium® 2000+	63.0	–	23.0	5.0	7.0	1.5	–	< 1.0	–	–	–	< 1.0	–	–
remanium® 2001	63.0	–	23.0	4.3	7.3	1.6	–	< 1.0	–	–	–	< 1.0	–	–
remanium® GM 280	61.0	–	28.0	8.0	–	1.5	–	< 1.0	–	< 1.0	–	< 1.0	–	–
remanium® GM 380+	64.6	–	29.0	–	4.5	< 1.0	–	< 1.0	–	–	< 1.0	< 1.0	–	–
remanium® GM 800+	58.3	–	32.0	1.5	6.5	1.0	–	< 1.0	–	–	< 1.0	< 1.0	–	–
remanium® GM 900	62.0	–	30.0	–	5.5	1.2	–	–	1.2	–	–	< 1.0	–	–
Solders and filler materials														
CoCrMo-Sold 1	69.8	–	19.0	–	5.0	5.0	–	–	–	–	–	–	–	1.2
CoCr welding wire	65.0	–	28.0	–	5.5	< 1.0	–	< 1.0	–	–	–	< 1.0	–	–

2. Nickel-based alloys

chemical composition in wt %

Material		Co	Ni	Cr	Mo	Si	Fe	Mn	Ti	Al	Nb	B
Designation												
Crowns and bridges / partial dentures												
remanium® G-soft	–	66.0	26.5	5.0	1.5	–	< 1.0	–	–	–	–	< 1.0
remanium® CSe	– ¹	60.0	26.0	11.0	1.5	1.2	–	–	–	–	–	–
Solders and filler materials												
NiCr-Sold 1	–	63.0	19.0	10.0	7.0	–	–	–	–	–	–	1.0
NiCr welding wire	< 1.0	63.0	22.0	9.0	–	< 1.0	–	< 1.0	< 1.0	< 1.0	3.5	–

3. Titanium / Titanium alloys

chemical composition in wt %

Material			Ti	Al	V	Fe	C	N	H	O
Quality	Norm	Number (DIN)								
1	DIN EN ISO 5832-2	3.7025	> 99.5	–	–	< 0.2	< 0.08	< 0.03	< 0.0125	< 0.18
2	DIN EN ISO 5832-2	3.7035	> 99.3	–	–	< 0.3	< 0.08	< 0.03	< 0.0125	< 0.25
3	DIN EN ISO 5832-2	3.7055	> 99.2	–	–	< 0.3	< 0.08	< 0.05	< 0.0125	< 0.35
4	DIN EN ISO 5832-2	3.7065	> 99.0	–	–	< 0.5	< 0.08	< 0.05	< 0.0125	< 0.40
5	DIN EN ISO 5832-3	3.7165	90.0	6.0	4.0	< 0.3	< 0.08	< 0.05	< 0.0150	< 0.20
23 ²	DIN EN ISO 5832-3	3.7165	90.0	6.0	4.0	< 0.25	< 0.08	< 0.05	< 0.0120	< 0.13

¹ up to 09/2021: < 1.0 %

² fulfills the requirements for Ti Al6V4 ELI; chemical composition acc. to ASTM F 136

Note:

- ∅ round
- ▭ rectangular

In addition to the metric measurements provided, the wires are also available with an additional description in inches (DIN EN ISO 15841) e.g. 17 x 25 = .017" x .025"

1 mm	= 0.0394 inch
1 cm	= 10 mm = 0.3937 inch
1 m	= 1000 mm = 1.0936 yards
1 km	= 0.6214 miles
1 inch	= 25.40 mm
1 foot	= 12 inches = 30.48 cm
1 yard	= 3 feet = 91.44 cm
1 mile	= 1760 yards = 1.6093 km

1 mg	= 0.0154 grain
1 g	= 1000 mg = 0.0353 oz
1 kg	= 1000 g = 2.2046 lb
1 ounce	= 28.35 g
1 pound	= 16 ounces = 0.4536 kg

1 MPa	= 1 N/mm ²
1 N/mm ²	= 145.14 p. s. i.
1 p. s. i.	= 0.00689 N/mm ²

1 l	= 1000 ml = 2.11 pints
	= 1.06 quarts = 0.26 gallons

FDI System																		
	18	17	16	15	14	13	12	11	21	22	23	24	25	26	27	28		
R	8	7	6	5	4	3	2	1	1	2	3	4	5	6	7	8	L	
	8	7	6	5	4	3	2	1	1	2	3	4	5	6	7	8		
	48	47	46	45	44	43	42	41	31	32	33	34	35	36	37	38		

mm	∅	x 10 ⁻³ inch	steel wire 1 kg	mm	∅	x 10 ⁻³ inch	steel wire 1 kg
0.10		4	16120 m*	0.60		24	448 m*
0.15		6	7150 m*	0.70		28	329 m*
0.20		8	4030 m*	0.80		32	251 m*
0.22		9	3335 m*	0.90		36	198 m*
0.25		10	2590 m*	1.00		40	161 m*
0.28		11	2055 m*	1.10		44	133 m*
0.30		12	1793 m*	1.20		48	112 m*
0.35		14	1315 m*	1.30		51	95 m*
0.40		16	1010 m*	1.40		55	82 m*
0.45		18	795 m*	1.50		59	71 m*
0.50		20	645 m*				

*We accept no responsibility for the accuracy of this information

	inch	mm
1/64	0.0156	0.397
1/32	0.0312	0.794
1/16	0.0625	1.588
1/8	0.1250	3.175
3/16	0.1875	4.763
1/4	0.2500	6.350
5/16	0.3125	7.938
3/8	0.3750	9.525
1/2	0.5000	12.700
5/8	0.6250	15.875
3/4	0.7500	19.050
1	1.0000	25.400

°C	°F	°C	°F
-40	-40	110	230
-30	-22	120	248
-20	-4	130	266
-10	+14	140	284
0	+32	150	302
10	50	200	392
20	68	300	572
30	86	400	752
40	104	500	932
50	122	600	1112
60	140	700	1292
70	158	800	1472
80	176	900	1652
90	194	1000	1832
100	212	2000	3632

System International (SI)		
Basic size	Basic unit	Symbol
Length	meter	m
Mass	kilogram	kg
Time	second	s
Electric current	ampere	A
Thermodynamic temperature	kelvin	K
Luminous intensity	candela	cd
Amount of substance	mole	mol

1 at	= 0.981 bar = 0.981 x 10 ⁵ Pascal (Pa)
1 kp	= 9.81 Newton (N)
1 PS	= 0.746 kW
0 °C	= 273 Kelvin (K)

mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
0.0254	0.001	0.4318	0.017	0.8382	0.033	1.2192	0.048	1.6256	0.064
0.0508	0.002	0.4572	0.018	0.8636	0.034	1.2446	0.049	1.6510	0.065
0.0762	0.003	0.4826	0.019	0.8890	0.035	1.2700	0.050	1.6764	0.066
0.1016	0.004	0.5080	0.020	0.9144	0.036	1.2954	0.051	1.7018	0.067
0.1270	0.005	0.5334	0.021	0.9398	0.037	1.3208	0.052	1.7272	0.068
0.1524	0.006	0.5588	0.022	0.9652	0.038	1.3462	0.053	1.7526	0.069
0.1778	0.007	0.5842	0.023	0.9906	0.039	1.3716	0.054	1.7780	0.070
0.2032	0.008	0.6096	0.024	1.0000	0.0394	1.3970	0.055	1.8034	0.071
0.2286	0.009	0.6350	0.025	1.0160	0.040	1.4224	0.056	1.8288	0.072
0.2540	0.010	0.6604	0.026	1.0414	0.041	1.4478	0.057	1.8542	0.073
0.2794	0.011	0.6858	0.027	1.0668	0.042	1.4732	0.058	1.8796	0.074
0.3048	0.012	0.7112	0.028	1.0922	0.043	1.4986	0.059	1.9050	0.075
0.3302	0.013	0.7366	0.029	1.1176	0.044	1.5240	0.060	1.9304	0.076
0.3556	0.014	0.7620	0.030	1.1430	0.045	1.5494	0.061	1.9558	0.077
0.3810	0.015	0.7874	0.031	1.1634	0.046	1.5748	0.062	1.9812	0.078
0.4064	0.016	0.8128	0.032	1.1938	0.047	1.6002	0.063	2.0000	0.0787

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Turnstr. 31 | 75228 Ispringen | Germany | Phone +49 72 31/803-0 | Fax +49 72 31/803-295
www.dentaurum.com | info@dentaurum.com