EN

Edition 25

Prosthetics Catalog

The complete program.

Getz Healthcare DENTAL

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DENTAURUM

Edition 25

Prosthetics Catalog

The complete program.

Ceramics
CAD/CAM materials
Crowns and bridges
Implantology
Partial denture
Finishing
Prosthetics
Wires I Clasps
Expansion screws
Orthodontic acrylics
Pliers I Instruments
Equipment
Knowledge
Courses, webinars and events
Service

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

Marie von Ebner-Eschenbach

Customer number

Please enter your Dentaurum 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 Dentaurum 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 Dentaurum

Dentaurum

Germany I Benelux I España I France I Italia I Switzerland I Australia I Canada I 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.

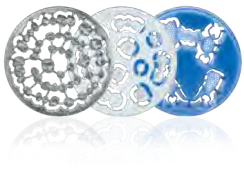
360°

www.dentaurum.com/360

Orthodontics

Implantology

Prosthetics



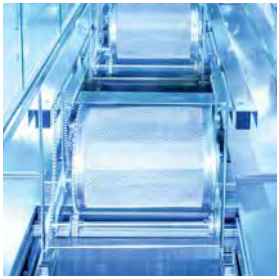
Ceramics

Photo: © Christian Ferrari®

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 Dentaurum's strengths. No other dental company has such an extensive range of products offering a total of more than 8500 articles.



Dentaurum Online Shop.

Order easily online.

shop.dentaurum.com

Your advantages:

- Detailed product information.
- Product availability is automatically checked.
- 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.

- **shop.dentaurum.de** > Germany and Austria
- **shop.dentaurum.ch** > Switzerland
- **shop.dentaurum.be** > Benelux
- **shop.dentaurum.es** > Spain
- **shop.dentaurum.fr** > France
- **shop.dentaurum.it** > Italy
- **shop.dentaurum.us** > USA
- **shop.dentaurum.ca** > Canada
- **shop.dentaurum.com.au** > Australia

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!**

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Contents

Ceramics	**18 – 117**
Ceramic in paste form	**20 – 29**
ceraMotion® One Touch	22 – 23
ceraMotion® One Touch No Limits	24 – 25
ceraMotion® One Touch Pink	26 – 27
ceraMotion® One Touch accessories	28 – 29
Press ceramic	**30 – 35**
ceraMotion® LiSi – press ceramic	32 – 33
ceraMotion® – press ceramic, accessories	34
Veneering ceramic	**36 – 117**
ceraMotion® Zr – zirconium oxide ceramic	38 – 57
ceraMotion® Me – metal ceramic	58 – 81
ceraMotion® Ti – titanium ceramic	82 – 100
ceraMotion® Lf – low-fusing ceramic	102 – 113
ceraMotion® – ceramics, accessories	114 – 116
CAD / CAM materials	**118 – 139**
Zirconium oxide blanks	126 – 131
CoCr blanks	132
Titanium blanks	133 – 134
Wax blanks	135
Investment material	136
Powder for laser melting	137 – 138
Crowns and bridges	**140 – 181**
CoCr alloys	154 – 158
NiCr alloy	159 – 160
Titanium	161 – 162
Solders and welding wires	163 – 166
Investment materials	167 – 174
Waxes	175 – 177
Investment systems	178
Modelling accessories	179
Accessories	180
Implantology	
tioLogic® TWINFIT – implant system	**182 – 187**
Partial dentures	**188 – 231**
Alloys	200 – 203
Titanium	204 – 205
Solders and welding wires	206 – 207
Investment materials	208 – 213
Fine investment materials	214
Duplicating materials	215 – 219
Duplicating materials – accessories	220 – 222
Waxes	223 – 228
Accessories	229 – 231

Finishing	**232–257**
Separating and grinding discs	236–238
Grinding points	239–240
Burs and cutters	241–244
Diamond burs	245–249
Mandrels	250
Polishing tools and accessories	251–256
Prosthetics	**258–267**
Impression taking	262
Model fabrication	263
Isolation and waxes	264–265
Grid strengtheners	266
Accessories	267
Wires I Clasps	**268–281**
Wires	272–275
Retainer	276–277
Clasps	278–281
Expansion screws	**282–313**
Standard expansion screws	286–288
Special expansion screws	289–301
Variety expansion screws	302–305
RPE screws	306–311
Accessories	312–313
Orthodontic acrylics	**314–337**
Orthocryl® LC	320–321
Orthocryl® / Assortments	322
Orthocryl® / Single packs	323–324
Disco glitter	325
Decals	326–329
Accessories	330–334
Appliance containers and accessories	335–336
Pliers I Instruments	**338–347**
Premium-Line pliers	342–345
Pliers / Instruments	346
Accessories	347

Contents

Equipment	**348 – 377**
Welding units and accessories	354 – 364
Casting unit and accessories	365 – 367
Surveying equipment and accessories	368 – 370
Electric wax knife	371 – 372
Model trimmer and accessories	373
Pressure vessel and suction unit	374
Blasting abrasive	375
Miscellaneous	376
Knowledge	**378 – 391**
remanium® kompendium	380 – 381
o-atlas II	382 – 383
Online media library	384 – 385
Download center	386 – 387
Social Media	388 – 389
Build-a-Brace	390 – 391
Courses, webinars and events	**392 – 397**
Courses	394 – 395
Webinars	396 – 397
Service	**398 – 425**
Contact	11
Overview of materials and alloys	400
Conversion charts	401
Environment and sustainability	402 – 403
Alphabetical index	404 – 410
Numerical index	412 – 422
Disclaimer / Image credits	425

Ceramics

ceraMotion® One Touch	Page	22
ceraMotion® LiSi – press ceramic	Page	32
ceraMotion® – press ceramic, accessories	Page	34
ceraMotion® Zr – zirconium oxide ceramic	Page	38
ceraMotion® Me – metal ceramic	Page	58
ceraMotion® Ti – titanium ceramic	Page	82
ceraMotion® Lf – low-fusing ceramic	Page	102
ceraMotion® – ceramics, accessories	Page	114

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.

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

One Touch – ceramotion® One Touch

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

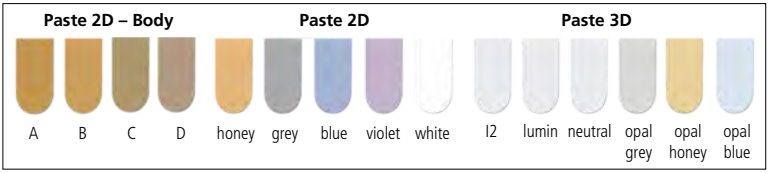
CE 0483

Paste 3D P 3D

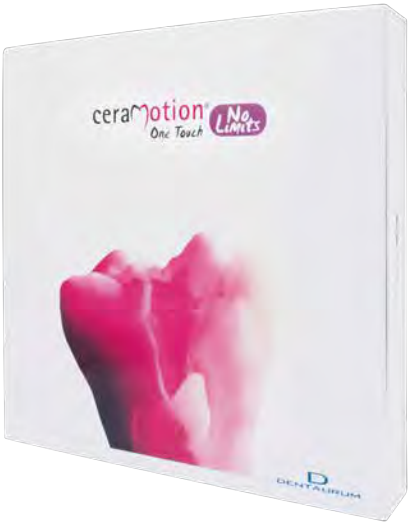
- incisal 3D pastes for minimum layering and in-depth effect (3D paste I2 + lumin).
- a neutral 3D paste with increased transparency to modify the 3D incisal pastes (3D paste neutral).
- color-coordinated 3D pastes with an opalescent effect for individualization (3D paste opal blue, opal grey, opal honey).

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



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

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

CE 0483

* 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

CE 0483

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

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

One Touch Pink – ceramotion® One Touch Pink

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

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Paste 3D Gingival

gingival 1 | gingival 2 | gingival 3 | gingival 4 | gingival modifier | gingival white | gingival transpa

ceraMotion® One Touch – Accessories

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

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

CE 0483

2D Brush

Brush for application of 2D pastes.

REF 260-905-20	1 piece

3D Brush

Brush for application of 3D pastes.

REF 260-906-20	1 piece

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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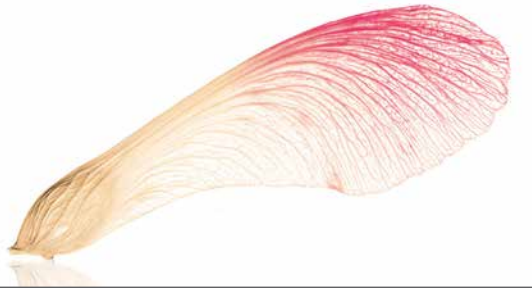
ceraMotion® LiSi



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® LiSi – 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

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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

CE 0483

Press ceramic – ceraMotion® LiSi

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	OM2	**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

CE 0483

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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 · 10^{-6} K^{-1} - 15.1 · 10^{-6} 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 · 10^{-6} K^{-1} - 17.0 · 10^{-6} 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.

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

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

Zirconium oxide ceramic – ceramotion® Zr

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

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

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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

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

Zirconium oxide ceramic – ceramotion® Zr

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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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

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

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

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

Zirconium oxide ceramic – ceramotion® Zr

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

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ceramotion® Zr – Zirconium oxide ceramic

Liner L

For use on white ZrO_2 as color base.

- for shade optimization with colored ZrO_2
- 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**

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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

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Zirconium oxide ceramic – ceramotion® zr

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 dentinal, 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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Base Dentin Modifier BDM

salmon caramel ochre ivory lemon vanilla brown

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**

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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: 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

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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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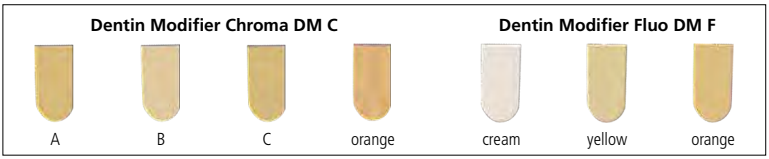

ceramotion® Zr – Zirconium oxide ceramic

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

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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: 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

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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	250-070-20	250-070-40
IT 2	250-071-20	250-071-40
IT 3	250-072-20	250-072-40

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Zirconium oxide ceramic – ceramotion® Zr

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**

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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

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Transpa T **Incisal Modifier IM**

transpa | opal honey | opal white | opal blue | opal grey | grey

ceramotion® Zr – Zirconium oxide 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 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

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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

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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	**250-280-20**	20 g
IV 2	**250-281-20**	20 g
IV 3	**250-282-20**	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	**250-284-20**	20 g

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Zirconium oxide ceramic – ceramotion® zr

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

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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

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* 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

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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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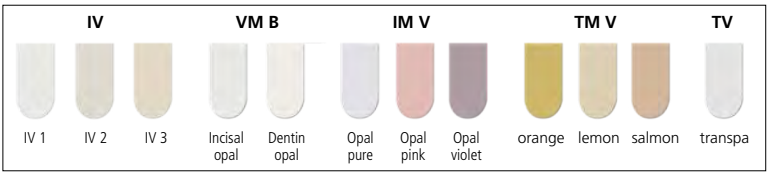

ceramotion® Zr – Zirconium oxide ceramic

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

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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

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** 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

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Zirconium oxide ceramic – ceramotion® zr

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

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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

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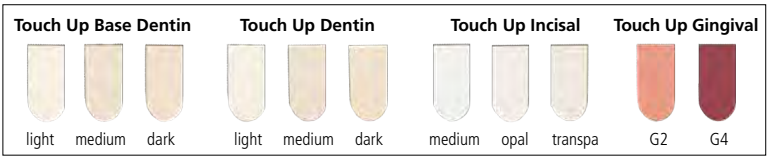
Touch Up Gingival TU G

• 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



ceramotion® zr – Zirconium oxide ceramic

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

CE 0483

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

CE 0483

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

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

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

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

Zirconium oxide ceramic – ceramotion® Zr

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

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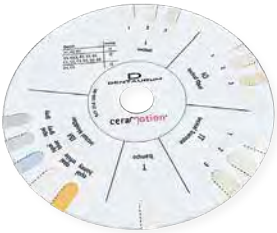

8 Shade Set (Paste Opaque)

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

CE 0483

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

Metal ceramic – ceramotion® Me

3 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 3 most important A–B shades, Paste Opaque,
Base Dentins, Dentins, Incisal and effect materials.

REF 252-900-15	1 set

CE 0483

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

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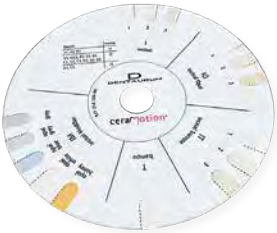
ceramotion® Me – Metal ceramic



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

CE 0483

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

Metal ceramic – ceramotion® Me

Value Concept Set

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 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

CE 0483

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

ceramotion® Me – Metal 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 Paste Opaque, Dentins and bleach modules.

REF 252-800-45	1 set

CE 0483

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.

Metal ceramic – ceramotion® Me

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

CE 0483

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

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ceramotion® Me – Metal 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

Metal ceramic – ceraMotion® Me

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

CE 0483

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

CE 0483

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

CE 0483

ceramotion® Me – Metal ceramic

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**

CE 0483

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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Metal ceramic – ceramotion® Me

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**

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 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

CE 0483

Base Dentin Modifier BDM

salmon caramel ochre ivory lemon vanilla brown

ceramotion® Me – Metal ceramic

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**

CE 0483

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

CE 0483

Dentin Modifier Fluo DM F

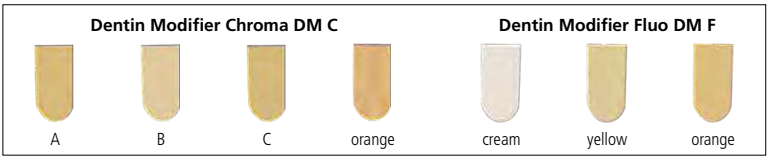
Dentin effect material with increased fluorescence

- 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

CE 0483



ceramotion® Me – Metal ceramic

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

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: 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

CE 0483

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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Metal ceramic – ceramotion® Me

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**

CE 0483

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

CE 0483

Transpa T

transpa

Incisal Modifier IM

opal honey

opal white

opal blue

opal grey

grey

ceramotion® Me – Metal 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	**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

CE 0483

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

CE 0483

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

CE 0483

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

CE 0483

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

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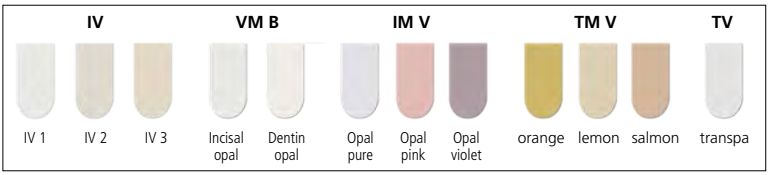

ceramotion® Me – Metal ceramic

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

CE 0483

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** 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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Metal ceramic – ceramotion® Me

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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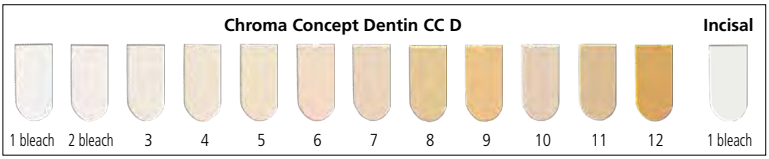
Chroma Concept Incisal CC I

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

CE 0483



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

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Touch Up Gingival

G2 G4

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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	

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	

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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

Metal ceramic – ceramotion® Me

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

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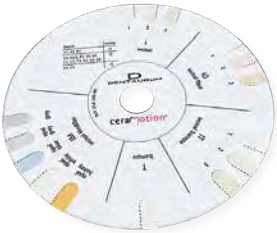
ceramotion® Ti – Titanium ceramic



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

Titanium ceramic – ceramotion® Ti

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

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

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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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Titanium ceramic – ceramotion® Ti

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

ceramotion® Ti – 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

Titanium ceramic – ceramotion® Ti

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

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Titanium ceramic – ceramotion® Ti

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 dentinal, 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

CE 0483

Base Dentin Modifier BDM

salmon caramel ochre ivory lemon vanilla brown

ceramotion® Ti – Titanium 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	**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**

CE 0483

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

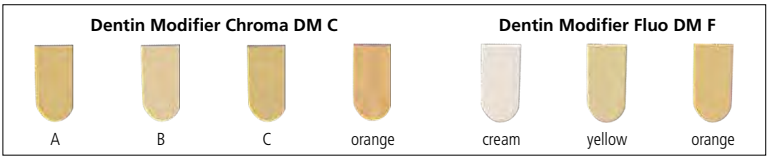
Dentin effect material with increased fluorescence

- 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

CE 0483



ceramotion® Ti – 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

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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: 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

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Titanium ceramic – ceramotion® Ti

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**

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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

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Transpa T **Incisal Modifier IM**

transpa | opal honey | opal white | opal blue | opal grey | grey

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

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 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

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Titanium ceramic – ceramotion® Ti

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

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Chroma Concept Dentin CC D **Incisal**

1 bleach 2 bleach 3 4 5 6 7 8 9 10 11 12 1 bleach

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

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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

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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

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Titanium ceramic – ceramotion® Ti

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

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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

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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

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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

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Titanium ceramic – ceramotion® Ti

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

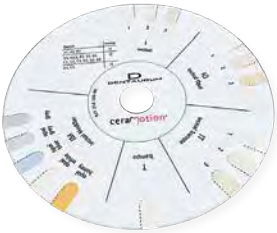
Contrast Marker

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

ceramotion® Lf – Low-fusing ceramic



8 Shade Set

Set for veneering alloys that have a high CTE value
(CTE range of 15.9 · 10^{-6} K^{-1} - 17.0 · 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 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	**253-270-02**	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

Low-fusing ceramic – ceramotion® Lf

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

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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

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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

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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

Low-fusing ceramic – ceramotion® Lf

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

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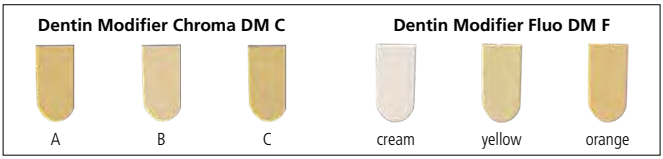

Low-fusing ceramic – ceramotion® Lf

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

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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: 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

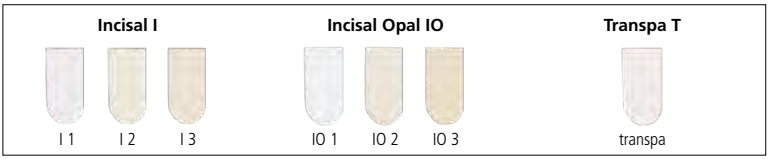
Transpa T

- 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

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Low-fusing ceramic – ceramotion® Lf

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
- white and light dentin bleach materials

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

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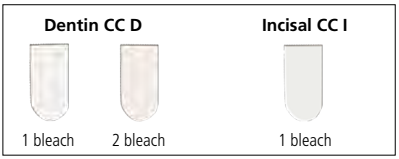
Chroma Concept Incisal CC I

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

Low-fusing ceramic – ceramotion® Lf

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

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ceramotion® Lf – 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

Ceramic accessories – ceraMotion®

Shade Disc Touch Up
Shade disc for Touch Up materials.

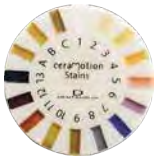
REF 254-103-00	1 piece

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

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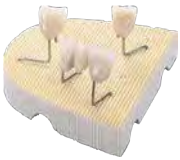
ceramotion® – Ceramic accessories

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

REF 260-324-01	20 ml

CAD/CAM materials

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

CAD/CAM materials.

Premium quality for every requirement.

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ceraMotion® Z

The symbol for
smarter zirconia.

Ceramic solutions – made by Dentaurum.

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.

Photo: © Christian Ferrari®

	Zirconium oxide type	Flexural strength (biaxial)	Sintering temperature	Translucency*
8 Vita** & 2 Bleach shades	ceraMotion® Z blank Hybrid ■ strong ■ ultra-highly translucent ■ multi-shaded	1300 → 1020 MPa	1480 °C / 2696 °F	43 % - 47 %
9 Vita** shades	ceraMotion® Z blank Cubic Multishade ■ ultra-highly translucent ■ multi-shaded	600 MPa	1450 °C / 2642 °F	49 %
9 Vita** shades	ceraMotion® Z blank HT Multishade ■ strong ■ highly translucent ■ multi-shaded	1100 MPa	1530 °C / 2786 °F	43 %
16 Vita** shades	ceraMotion® Z blank HT Shade ■ strong ■ highly translucent ■ shaded	1100 MPa	1530 °C / 2786 °F	43 %
	ceraMotion® Z blank HT White ■ strong ■ highly translucent	1200 MPa	1530 °C / 2786 °F	43 %
	ceraMotion® Z blank White ■ 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

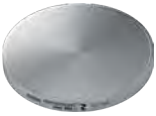
Premium quality for every requirement.

remanium® star MD II

rematitan® Ti2+Ti5

STAR WAX

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

	Blank type
	**remanium® star MD II blank** 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). Good laser weldability and proven good ceramic bonding are further properties which provide the basis for the high degree of safety potential.
	rematitan® blank Ti2 Titanium of low hardness. 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
	rematitan® blank Ti5 For high demands. 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.
	StarWax blank blue and StarWax blank grey Wax milling made easy. 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. StarWax Blank blue is ideal for CAD/Vest partial dentures to be cast. StarWax Blank grey is ideal for CAD/Vest crowns and bridges to be pressed or cast.

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
	remanium® star powder, 10-30 µm ■ 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
	rematitan® powder, 15-45 µm ■ 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/cm³
Radioactivity	< 0.02 Bq/g
Solubility	< 20 µg/cm²
CTE	$10.5 \cdot 10^{-6}$ 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/cm³
Radioactivity	< 0.02 Bq/g
Solubility	< 100 µg/cm²
CTE	$10.5 \cdot 10^{-6}$ 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.

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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/cm³
Radioactivity	< 0.02 Bq/g
Solubility	< 10 µg/cm²
CTE	$10.5 \cdot 10^{-6}$ 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/cm³
Radioactivity	< 0.02 Bq/g
Solubility	< 10 µg/cm²
CTE	$10.5 \cdot 10^{-6}$ 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/cm³
Radioactivity	< 0.02 Bq/g
Solubility	< 10 µg/cm²
CTE	$10.5 \cdot 10^{-6}$ 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/cm³
Radioactivity	< 0.02 Bq/g
Solubility	< 10 µg/cm²
CTE	$10.5 \cdot 10^{-6}$ 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

CE 0483

Technical data

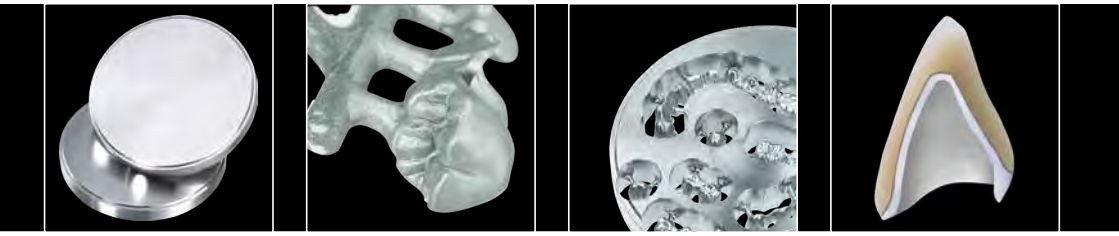
0.2% Yield strength $R_{p0.2}$	320 MPa
Tensile strength R_m	506 MPa
Hardness	281 HV 10
Elongation A_5	5.9 %
Modulus of elasticity E	202 GPa
Density	8.5 g/cm³
CTE 25 °C - 500 °C / 77 °F - 932 °F	14.1 x 10^{-6} K^{-1}
Solidus temperature	1320 °C / 2408 °F
Liquidus temperature	1420 °C / 2588 °F

Composition (percentage by mass)

Co	Cr	W	Si
60.5	28.0	9.0	1.5

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

LOM LASER OPTIMIZED MATERIAL



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/cm³
CTE 25 °C - 500 °C / 77 °F - 932 °F	9.6 x 10^{-6} K^{-1}

Composition (percentage by mass)

Ti
99.3

Additional elements < 1 %: Fe, O

LASER OPTIMIZED MATERIAL

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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 x 10^{-6} K^{-1}

Composition (percentage by mass)

Ti	Al	V
90.0	6.0	4.0

Additional elements < 1 %: Fe, O

L.O.M. LASER OPTIMIZED MATERIAL

NEW

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/cm³ - 0.97 g/cm³

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/cm³ - 0.97 g/cm³

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

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/cm³
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

LASER OPTIMIZED MATERIAL

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, veneerable 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/cm³
CTE 25 °C - 500 °C / 77 °F - 932 °F	10.1×10^{-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

LASER OPTIMIZED MATERIAL

NEW

Crowns and bridges

CoCr alloys	Page	154
NiCr alloy	Page	159
Titanium	Page	161
Solders and welding wires	Page	163
Investment materials	Page	167
Waxes	Page	175
Investment systems	Page	178
Modelling accessories	Page	179
Accessories	Page	180

Crowns and bridges.

A wide spectrum for high-quality dental restorations.

DENTAURUM
ONLINE
SHOP
shop.dentaurum.com

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.

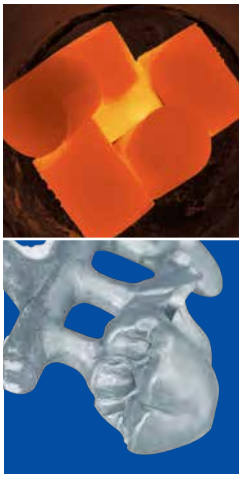
The successful remanium® star formula.

60.5 % Co I 28.0 % Cr I 9.0 % W I 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 Dentaurum 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	■ easy handling due to reduced surface hardness ■ no slow cooling required ■ beryllium-free, biocompatible ■ fast and easy to melt	■ 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)	Ni 60.0, Cr 26.0, Mo 11.0, Si 1.5, Fe 1.2	Ni 66.0, Cr 26.5, Mo 5.0, Si 1.5
Other < 1%		B, Mn
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 $R_{p\,0.2}$	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/cm³	8.2 g/cm³
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 CE 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	▪ 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	▪ 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)	Co: 60.5; Cr: 28.0; W: 9.0; Si: 1.5	Co: 58.0; Cr: 30.0; W: 5.5; Mo: 3.0; Si: 1.5; Ta: 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 $R_{p\,0.2}$	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/cm³	8.6 g/cm³
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**
Safety through certified quality CE 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	▪ 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	▪ 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) Other < 1%	Co 63.0, Cr 23.0, Mo 7.0, W 5.0, Si 1.5 Mn, N	Co 63.0, Cr 23.0, Mo 7.3, W 4.3, Si 1.6 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 $R_{p\,0.2}$	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/cm³	8.6 g/cm³
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 **REF 102-601-10** 250 g **REF 102-602-10** 1000 g **REF 102-600-10**	50 g **REF 102-600-02** 1000 g **REF 102-600-01**
Safety through certified quality CE 0483		

+++ = excellent

C+B investment materials.

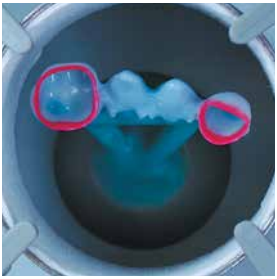
Accurate in precision and handling.

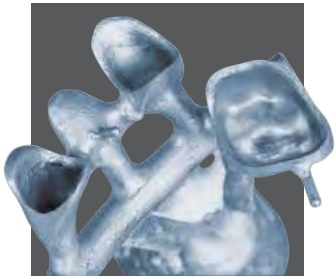
Largest range of investment materials.

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.
ceramotion® 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	▪ 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	▪ 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	▪ speed preheating ▪ consistent preheating ▪ preheating with holding time	▪ 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	▪ 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	▪ high thermal stability and robustness ▪ consistent highly accurate fit ▪ easy devesting properties ▪ creamy mixing consistency	▪ 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	▪ speed preheating ▪ consistent preheating ▪ preheating with holding time	▪ consistent preheating ▪ preheating with holding time	▪ 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)

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 appliation: 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/cm³
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

L.O.M. LASER OPTIMIZED MATERIAL

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

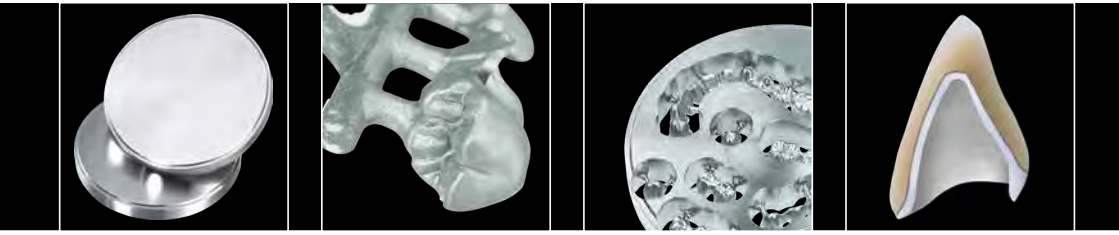
0.2% Yield strength $R_{p0.2}$	320 MPa
Tensile strength R_m	506 MPa
Hardness	281 HV 10
Elongation A_5	5.9 %
Modulus of elasticity E	202 GPa
Density	8.5 g/cm³
CTE 25 °C - 500 °C / 77 °F - 932 °F	14.1 x 10^{-6} K^{-1}
Solidus temperature	1320 °C / 2408 °F
Liquidus temperature	1420 °C / 2588 °F

Composition (percentage by mass)

Co	Cr	W	Si
60.5	28.0	9.0	1.5

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

LOM® LASER OPTIMIZED MATERIAL



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/cm³
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

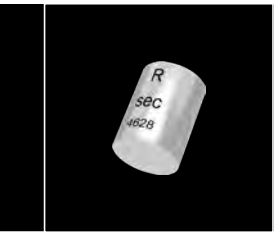
CE 0483

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

LOM LASER OPTIMIZED MATERIAL



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/cm³
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

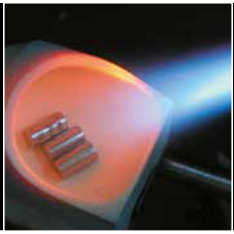
CE 0483

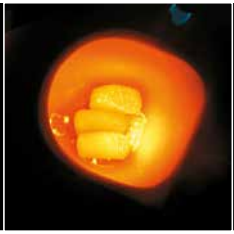
Composition (percentage by mass)

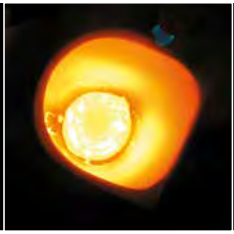
Co	Cr	Mo	W	Si
63.0	23.0	7.0	5.0	1.5

Additional elements < 1 %: Mn, N

LASER OPTIMIZED MATERIAL







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/cm³
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

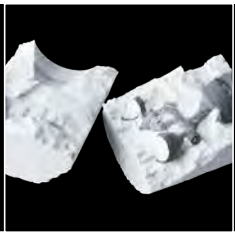
CE 0483

Composition (percentage by mass)

Co	Cr	Mo	W	Si
63.0	23.0	7.3	4.3	1.6

Additional elements < 1 %: Mn, N

LOM LASER OPTIMIZED MATERIAL



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/cm³
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

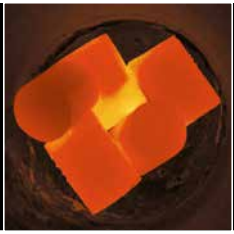
REF 102-401-05	50 g
REF 102-403-05	1000 g

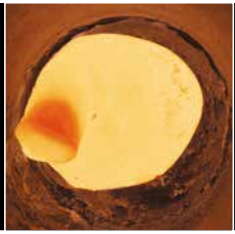
CE 0483

Composition (percentage by mass)

Ni	Cr	Mo	Si	Fe
60.0	26.0	11.0	1.5	1.2

LOM LASER OPTIMIZED MATERIAL





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/cm³
Solidus temperature	1210 °C / 2210 °F
Liquidus temperature	1340 °C / 2444 °F
Weight of casting ingot	6 g

REF 100-001-00	1000 g

CE 0483

Composition (percentage by mass)

Ni	Cr	Mo	Si
66.0	26.5	5.0	1.5

Additional elements < 1 %: B, Mn

LOMM LASER OPTIMIZED MATERIAL

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/cm³
Melting point	1668 °C / 3034.4 °F
CTE 25 °C - 500 °C / 77 °F - 932 °F	9.6 x 10^{-6} K^{-1}

LOM LASER OPTIMIZED MATERIAL

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/cm³
Melting point	1668 °C / 3034.4 °F

LOM LASER OPTIMIZED MATERIAL

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

CE 0483

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

CE 0483

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

DENTAURUM ONLINE SHOP shop.dentaurum.com

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
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

Dentaflux® flux

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

REF 681-100-00	50 g

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

LASER OPTIMIZED MATERIAL

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

LASER OPTIMIZED MATERIAL

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

LASER OPTIMIZED MATERIAL

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

CE 0483

LASER OPTIMIZED MATERIAL

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

CE 0483

LASER OPTIMIZED MATERIAL

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

CE 0483

LASER OPTIMIZED MATERIAL

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

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

Investment materials

rema® TT

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

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

rema® TT mixing liquid

REF 106-707-00	1 l

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.

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)

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

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

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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

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

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

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

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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

REF 127-410-00	1 piece

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

Length: 36.0 cm

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

REF 106-825-00	1 piece

- 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.

Casting sprue former titanium

REF 090-027-00	5 pieces

Material: acrylic

Application for rematitan®/autocast casting machines.

Die Lube

Separating agent

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

REF 112-000-00	50 g

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

- **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

Accessories

Rapidur®

REF 164-450-00	6 kg

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

Mixing bowl

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

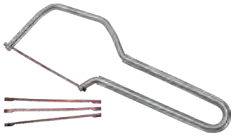
Capacity	REF	Quantity
400 ml	**164-651-00**	1 piece
600 ml	**164-650-00**	1 piece

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

REF 180-702-00	1 piece

For orthodontics / prosthetics.
Small saw with replaceable blades.

Contents:
Saw incl. 3 saw blades

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

tiologic TWINFIT

IT'S MY CHOICE.

DENTAURUM
ONLINE SHOP
shop.dentaurum.com

tiologic TWINFIT

Abutment Switch.
2 connector geometries – 1 implant.

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

tiologic®
DIGITAL.

Digital workflow.

The patented tioLogic® TWINFIT implant system with all of its components is designed to suit a digital workflow. As your digital partner, Dentaurum 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 Dentaurum Implants provides a co-ordinated 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 Dentaurum 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

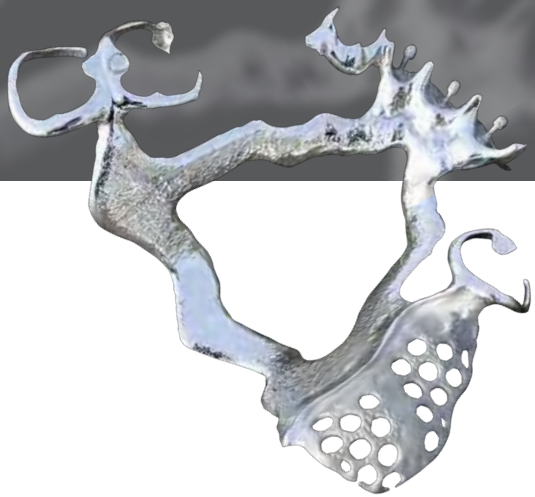
www.dentaurum-implants.de/cadcam

Partial dentures

Alloys	Page	200
Titanium	Page	204
Solders and welding wires	Page	206
Investment materials	Page	208
Fine investment materials	Page	214
Duplicating materials	Page	215
Duplicating materials – accessories	Page	220
Waxes	Page	223
Accessories	Page	229

Partial dentures.

Competence through experience.



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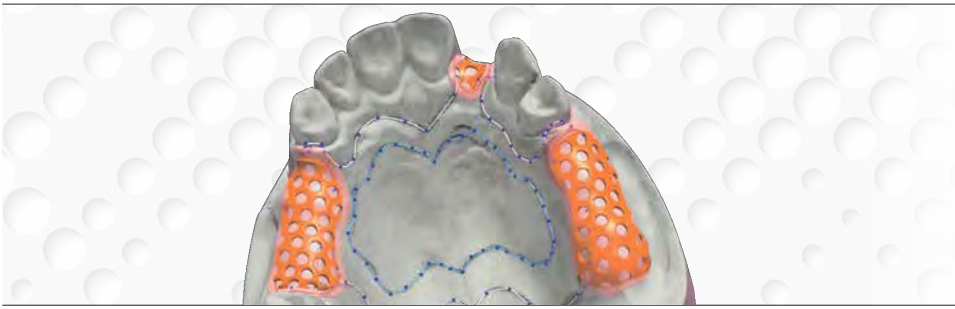
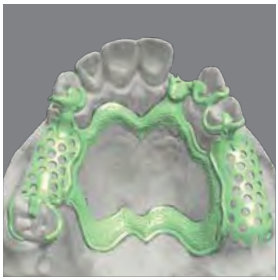
Partial dentures – the digital way.



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.

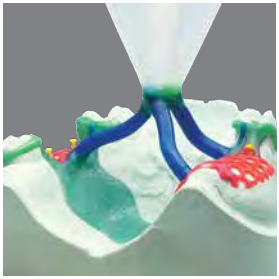
When it comes to partial dentures and their fabrication, Dentaurum has a great deal of know-how covering the whole spectrum, including viable alternatives for the future. Coordinating materials and finding effective processes for them has always been one of the company's strengths. One such development 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 Dentaurum 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 Dentaurum.

Dentaurum 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 Dentaurum 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	■ 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	■ mirror effect on melt surface ■ easy preparation and polishing ■ easily activated, high yield strength	■ 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	■ 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)	Co 58.3, Cr 32.0, Mo 6.5, W 1.5, Si 1.0	Co 64.6, Cr 29.0, Mo 4.5	Co 62.0, Cr 30.0, Mo 5.5, Si 1.2, Ta 1.2	Co 61.0, Cr 28.0, W 8.0, Si 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 $R_{P\,0.2}$	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/cm³	8.2 g/cm³	8.2 g/cm³	8.6 g/cm³
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 CE 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

rema®

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

Flexibility in preheating.

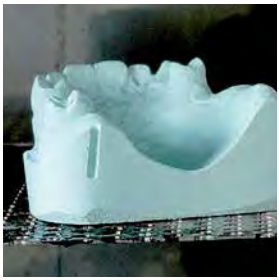
Dentaurum investment materials cover the whole spectrum of the partial denture technique. They can be used for conventional preheating, quick preheating and speed preheating.

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	■ 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	■ complete flexibility in the preheating stage - speed preheating - reduced quick preheating from 600 °C / 1112 °F - conventional preheating ■ suitable for combination prosthetics - impressive fit even with complicated structures ■ universally suitable in all duplicating procedures - compatible with duplicating materials silicone and gel ■ excellent fit - knife edge stability and smoothness	■ optimized recipe to increase stability - recommended for critical applications such as single restorations ■ very easy, pleasant working - pleasant consistency - adequate working time - reduced dust ■ very accurate fit - perfectly fitting castings in all areas ■ especially easy devestment - very soft devestment and light sandblasting	■ very uncomplicated to process - 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 processing - especially economical due to addition of water
Preheating	■ consistent preheating ■ speed preheating	■ consistent preheating ■ partial speed preheating ■ speed preheating	■ consistent preheating ■ preheating with holding time	■ 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.

	Dublitop®	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	■ 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	■ extreme volumetric stability ■ low viscosity ■ no pulling away from metal ■ quick use by adding water ■ ready to use after initial heating	■ volumetric stability ■ precise duplicate impressions ■ transparent ■ elastic ■ durable ■ low viscosity	■ high elasticity and tear resistance ■ models can be easily removed from the duplicating material	■ 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/cm³
Solidus temperature	1240 °C / 2264 °F
Liquidus temperature	1410 °C / 2570 °F
Weight of casting ingot	6 g

REF 102-200-10	1000 g

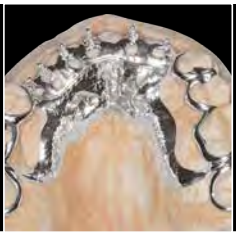
CE 0483

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

LOPOM® LASER OPTIMIZED MATERIAL



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/cm³
Solidus temperature	1300 °C / 2372 °F
Liquidus temperature	1370 °C / 2498 °F
Weight of casting ingot	6 g

REF 102-001-10	1000 g

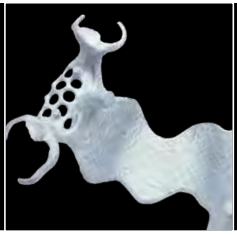
CE 0483

Composition (percentage by mass)

Co	Cr	Mo
64.6	29.0	4.5

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

LASER OPTIMIZED MATERIAL



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/cm³
Solidus temperature	1360 °C / 2480 °F
Liquidus temperature	1410 °C / 2570 °F
Weight of casting ingot	6 g

REF 102-250-00	1000 g

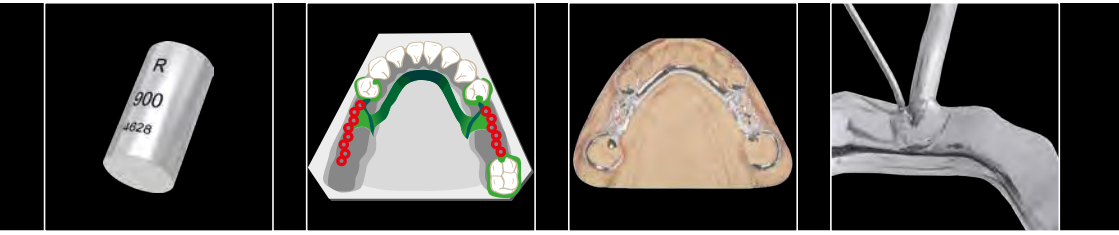
CE 0483

Composition (percentage by mass)

Co	Cr	Mo	Si	Ta
62.0	30.0	5.5	1.2	1.2

Additional elements < 1 %: N

L.O.M. LASER OPTIMIZED MATERIAL



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/cm³
Solidus temperature	1320 °C / 2408 °F
Liquidus temperature	1420 °C / 2588 °F
Weight of casting ingot	6 g

REF 102-280-00	1000 g

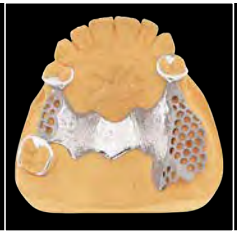
CE 0483

Composition (percentage by mass)

Co	Cr	W	Si
61.0	28.0	8.0	1.5

Additional elements < 1 %: Mn, N, Nb

LASER OPTIMIZED MATERIAL



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/cm³
Melting point	1668 °C / 3034.4 °F
CTE 25 °C - 500 °C / 77 °F - 932 °F	9.6 x 10^{-6} K^{-1}

LOM LASER OPTIMIZED MATERIAL

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

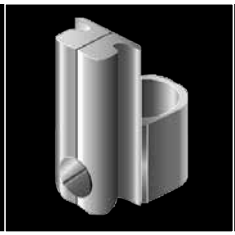
Height ingot	Weight of casting ingot	REF	Quantity
14.3 mm	31 g	**100-107-00**	1000 g

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/cm³
Melting point	1668 °C / 3034.4 °F

LOM LASER OPTIMIZED MATERIAL



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

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.

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
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

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

Dentaflux® flux

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

REF 681-100-00	50 g

Heat protection

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

REF 380-070-00	100 g

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

LOM LASER OPTIMIZED MATERIAL

DENTAURUM ONLINE SHOP shop.dentaurum.com

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

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

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

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

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)

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

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

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

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 devesting
- 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 devesting
- long shelf life

Color: blue

REF 104-501-50	150 g

Dublitop®

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

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ONLINE SHOP
shop.dentaurum.com

Duplicating materials

Dubliform

REF 108-500-00	6 kg

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

Dubliform liquid concentrate

REF 108-550-00	2.9 kg

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

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

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 %	

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

Duplicating materials – accessories

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

REF 127-309-00	1 piece

Fits all Dentaurum duplicating flasks and casting rings (small, medium, large).

Siliform-Set

REF 127-318-00	1 set

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

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.

Gumex N

REF 168-015-50	650 g

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

DENTAURUM ONLINE SHOP shop.dentaurum.com

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

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.

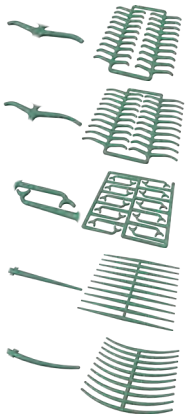
REF 167-215-00	2.3 kg

Preformed clasp

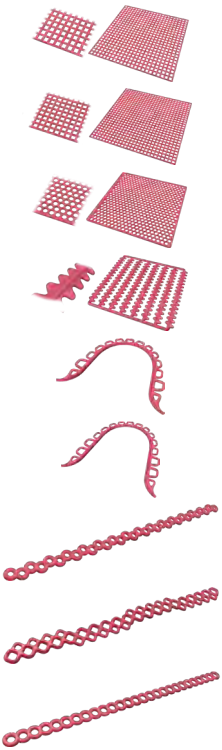
- excellent adaptability
- outstanding adhesion
- burn out residue-free

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	Abreviation	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

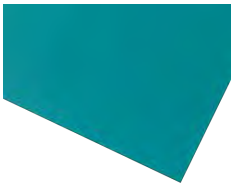
Thickness	Color	REF	Quantity
0.4 mm	red	**120-104-00**	15 sheets
0.5 mm	red	**120-105-00**	15 sheets
0.6 mm	red	**120-106-00**	15 sheets
0.7 mm	red	**120-107-00**	15 sheets

Wax sheet

Surface: plain

- very adaptable quality
- excellent adaptation and adhesion behavior

Dimensions (L x W): 150 mm x 70 mm



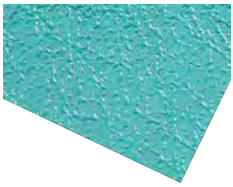
Thickness	Color	REF	Quantity
0.2 mm	green	**114-420-00**	15 sheets
0.25 mm	green	**114-425-00**	15 sheets
0.3 mm	green	**114-430-00**	15 sheets
0.35 mm	green	**114-435-00**	15 sheets
0.4 mm	green	**114-440-00**	15 sheets
0.5 mm	green	**114-450-00**	15 sheets
0.6 mm	green	**114-460-00**	15 sheets
0.7 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



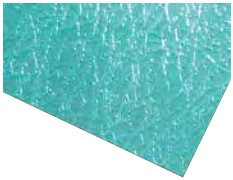
Thickness	Color	REF	Quantity
0.35 mm	green	**117-035-00**	15 sheets
0.4 mm	green	**117-040-00**	15 sheets
0.45 mm	green	**117-045-00**	15 sheets
0.5 mm	green	**117-050-00**	15 sheets
0.6 mm	green	**117-060-00**	15 sheets

Wax sheet

Surface: medium veined

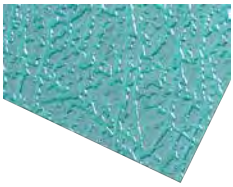
- the stronger vein and strippled design gives the upper denture a more natural surface structure
- very adaptable quality
- excellent adaptation and adhesion behavior

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



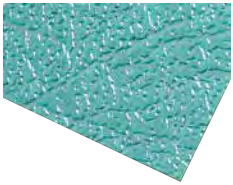
Wax sheet

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

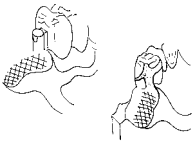
Dimensions (L x W): 150 mm x 70 mm

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

Accessories

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

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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

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

Sprue former

Made from plastic with slide tube for insertion in the duplicating material. Reliable, firm retention.

REF 127-312-00	1 piece

Lining paper

- corrugated paper
- continuous roll

Width: 100 mm

REF 127-010-00	25 m

Sprue

Residue-free burn out plastic for casting from the top.

REF 110-201-00	100 pieces

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

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

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

Finishing

Separating and grinding discs	Page	236
Grinding points	Page	239
Burs and cutters	Page	241
Diamond burs	Page	245
Mandrels	Page	250
Polishing tools and accessories	Page	251

Finishing.

Coordinated product range.

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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

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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

• extremly 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

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

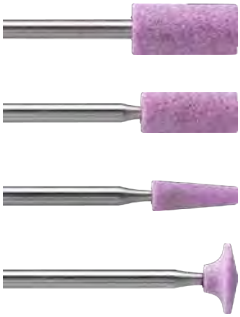
Grinding point

- 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

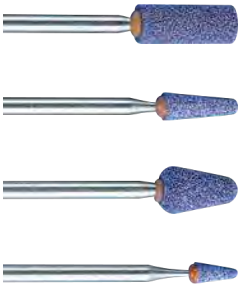
- ceramic bonded corundum grinding points
- high durability
- exceptional grinding efficiency

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 toothing 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 toothing 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 toothing 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 toothing 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 toothing 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 toothing 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 toothing 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	

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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

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

Diasint Zr universal

Diamond bur
• particularly efficient for use with zirconium oxide
• universal application for all ceramics
• excellent price-performance ratio
Application: all ceramics, ZrO_2 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: ZrO_2 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: ZrO_2 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

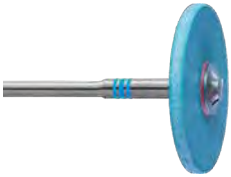
Diasint Zr fine

Diamond trimmer

- synthetic binder
- for easier removal and trimming
- optimal surface conditioning
- does not leave rough surface or overheat

Application: ZrO_2 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, ZrO_2 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: ZrO_2 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	Abreviation	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

REF 141-810-00	10 pieces

• for polishing areas difficult to access
e.g. fissures, inner surface of telescopes, etc.
Color: black
Maximum speed: 10000 min^{-1}

Tiger Brillant polishing paste

REF 190-350-00	400 g
REF 190-350-50	60 g

• quick and high shine polishing paste for super shiny metal surfaces
Application: CoCr alloys, precious metal alloys, NiCr alloys, titanium

Tiger Starshine finishing paste

REF 190-301-00	50 ml

• the ideal paste for final polishing
Application: all alloys, all metals

Tiger Diamond polishing paste

REF 190-302-00	50 g

• diamond polishing paste for use with handpiece
• high shine on all metals, ceramics and composites
Application: all alloys, all metals, ceramics, acrylics

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 ø: 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.

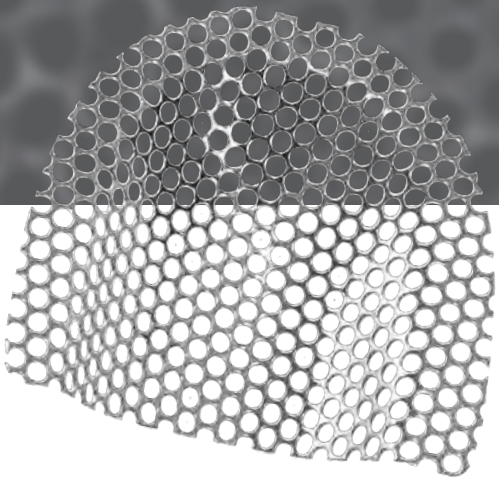
REF 260-300-02	1 piece

Prosthetics

Impression-taking	Page	262
Model fabrication	Page	263
Isolation and waxes	Page	264
Grid strengtheners	Page	266
Accessories	Page	267

Prosthetics.

Proven product quality.



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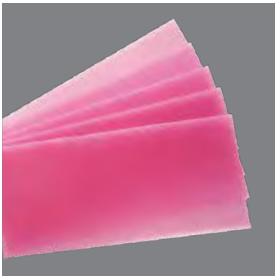
From impressions to grid strengtheners.

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

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

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

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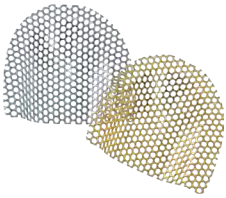
Grid strengtheners



Grid strengthener

anatomical

The numerous round perforations provide excellent resin bond to ensure a strong, stabilized denture base.

Material No.: 1.4301

Perforations ø: 2.5 mm

Thickness: 0.4 mm

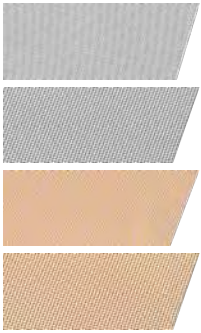
Material	REF	Quantity
stainless steel	**318-004-00**	10 pieces
stainless steel, gold plated (24 carat)	**318-104-00**	10 pieces

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

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

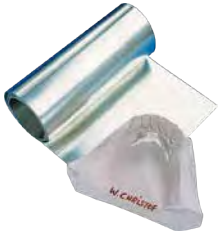
Thickness x width	Length	REF	Quantity
0.05 mm x 5.00 mm	1 m	**831-601-00**	1 piece
0.05 mm x 5.00 mm	10 m	**831-701-00**	1 piece
0.05 mm x 6.00 mm	1 m	**831-606-00**	1 piece
0.05 mm x 7.00 mm	1 m	**831-603-00**	1 piece
0.05 mm x 7.00 mm	10 m	**831-703-00**	1 piece

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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A wide range of products.

The Dentaurum product range supports your daily lab work and makes life easier. You will find an exceptionally large selection of wires and preformed wire clasps. remanium® wires are available in different grades of mechanical strength for use in a wide range of prosthetic and orthodontic applications. Our offer of clasps includes the most popular clasps in prosthetics.

Perfect in every detail.

All of Dentaurum's wire and clasp products are extremely precise and dimensionally stable. This superior quality guarantees optimum results. Dentaurum has decades of experience in the development and production of wires which gives you, our customer, the confidence that you can rely on products that are functional and mechanically precise.

remanium®

Stainless steel wires.

Noninium®

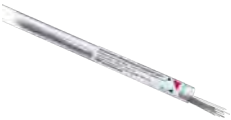
Nickel-free* stainless steel wires.

remaloy®

CoCr wires.

*Nickel trace elements of ≤ 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

CE 0483

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

CE 0483

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

CE 0483

Wires

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

ø	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

ø	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

ø	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

ø	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

Wires

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

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Retainer

rematain® flat retainer wire

For maxilla and mandible, 6-strand braided.
Easy to adapt, very flat for high level of patient comfort
Material: stainless steel

⧄	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*

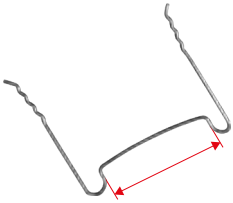
Unique fit using a three-dimensional construction design and highest biocompatibility: milled retainer in grade 5 titanium. Can be ordered together with prime4me® RETAIN3R optionally: Transfer tray for prime4me® RETAIN3R for placement in the mouth.

REF 430-120-40	1 piece

custom product

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

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

CE

* 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

CE

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

CE

* 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

CE

* Nickel trace elements of ≤ 0.05 % are due to the process of manufacturing

Clasps

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

Strengthener

Twisted and rolled flat.
Material: stainless steel
Material No.: 1.4404

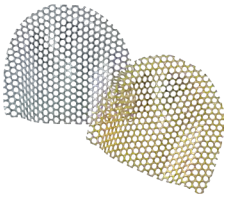
Length	⧄	REF	Quantity
10 m	1.8 mm x 0.8 mm	**312-106-00**	1 piece
10 m	2.4 mm x 0.8 mm	**312-107-00**	1 piece

CE

Clasps

Grid strengthener

anatomical
The large diameter of the perforations ensures excellent resin bond and stabilization of the denture base.
Material No.: 1.4301
Perforations ø: 2.5 mm
Thickness: 0.4 mm



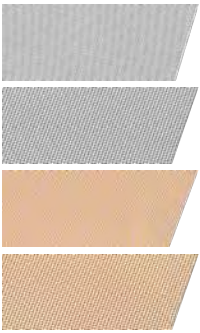
Material	REF	Quantity
stainless steel	**318-004-00**	10 pieces
stainless steel, gold plated (24 carat)	**318-104-00**	10 pieces

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

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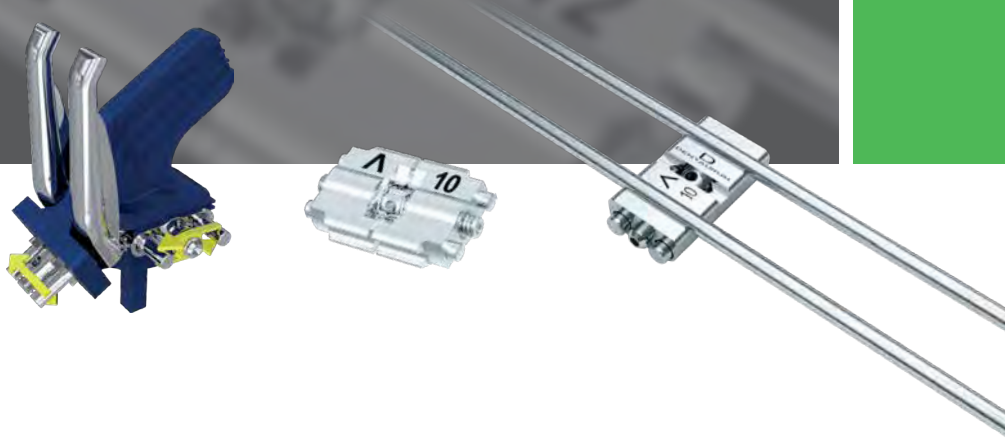
Expansion screws

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.



DENTAURUM
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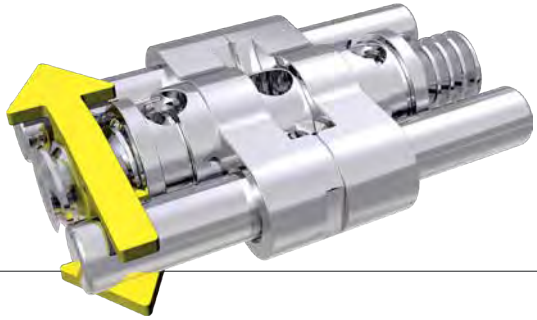
Perfect in form, function and design.

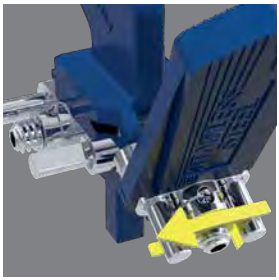


A wide range of products.

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.

* Patent owner FEMAdent GmbH & Co. KG

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

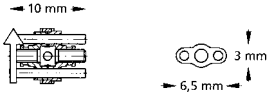
With expansion screw key, standard (straight, small).

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

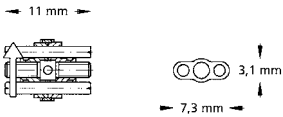
With expansion screw key straight, standard (straight, small).

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



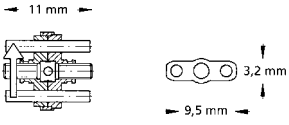
Expansion screw Maxi

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



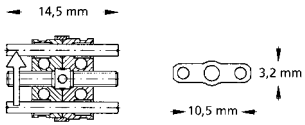
Expansion screw Magnum

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



Standard expansion screws

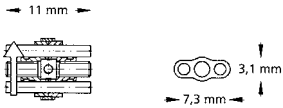
rematitan® expansion screw Medium

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



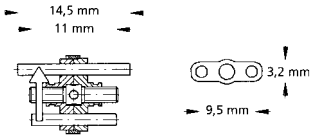
Trapezoidal expansion screw

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



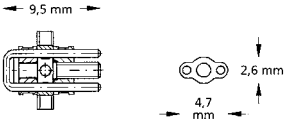
Sectional screw Mini

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



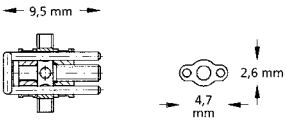
Sectional screw Mini

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



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Special expansion screws

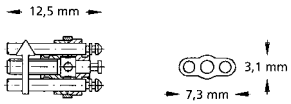
Sectional screw Medium

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



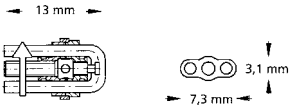
Sectional screw Medium

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



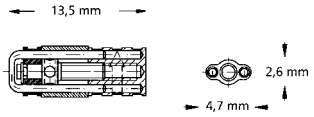
Retraction screw Extra Mini

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



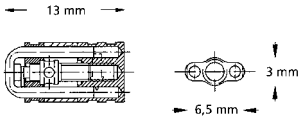
Retraction screw Mini

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



Special expansion screws

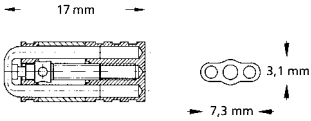
Retraction screw Medium

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



Neo-Bertoni three dimensional screw – three movements (type A)

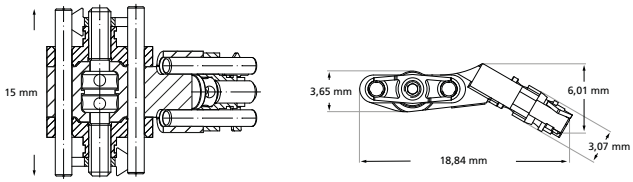
Material: stainless steel
- anatomically angled multi-dimensional screw
- three independently controlled movements
- same total expansion per segment

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).

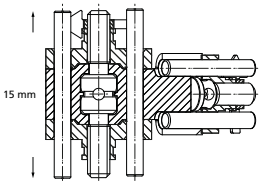
Indication: for combined transverse and protrusion movements with Y plates

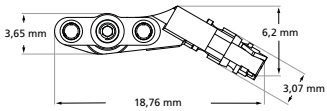
Directional arrow: Plastic, neon yellow

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).

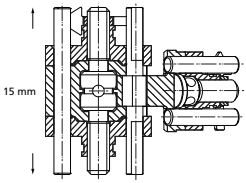
Indication: for combined transverse and protrusion movements with Y plates

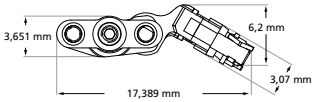
Directional arrow: Plastic, neon yellow

Maximum expansion	4 x $^1/_4$ turn	REF	Quantity
3.5 mm / segment	= 0.40 mm/segment	**600-133-10**	1 piece

CE

NEW





Special expansion screws

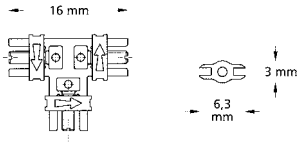
Three dimensional screw acc. to Bertoni – three movements (type A)

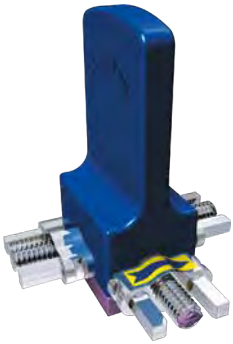
Material: stainless steel
- strengthened guides
- three independently controlled movements
- same total expansion per segment

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





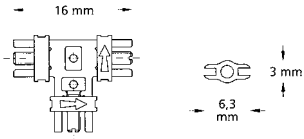
Three dimensional screw acc. to Bertoni – two movements (type B)

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



Special expansion screws

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

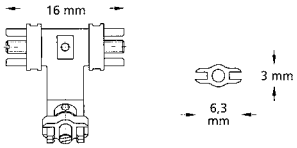
With expansion screw key, standard (straight, small).

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



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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

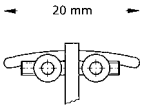
Mandibular bow screw acc. to Müller

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



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 lastest generation of the Sander appliance allows, alongside class II/1 treatment, corrections in class II/2 thanks to the sagittal expansion element.

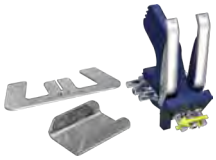
REF 600-120-00	1 set

CE

Contents:

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

NEW



Neo-bite jumping appliance acc. to F.M. Sander*

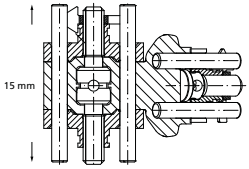
Material: stainless steel

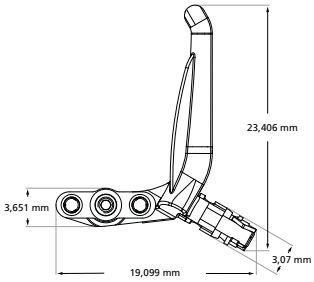
Directional arrow: Plastic, neon yellow

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 comination 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

NEW

Neo-bite jumping appliance guide template

acc. to Sander & Höbel

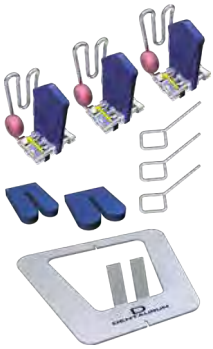
To produce an inclined plane in the mandible.

REF 600-123-00	10 pieces

NEW

* Patent owner FEMAdent GmbH & Co. KG

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 (distoclusion), 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

REF 600-005-00	1 piece

Locating template to produce the 60° angle of inclination.

Material: stainless steel

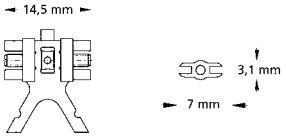
Expansion screw for split activator

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



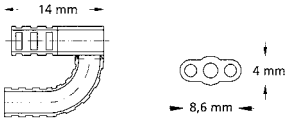
Expansion screw for progenia activator acc. to Weise

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



Special expansion screws

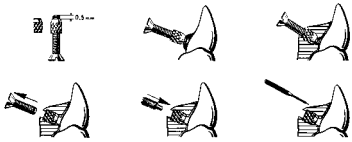
Piston spring screws, set

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

Special expansion screws

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

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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 $^1/_4$ 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 $^1/_4$ 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.

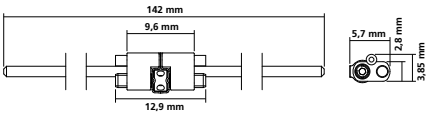
- optimal screw locking during the active treatment phase
- especially suitable for very narrow jaws
- retention legs can be bent very close to the screw body
- small dimensions with maximum expansion
- reliable activation / deactivation of the screw with clearly perceptible click after a $^1/_4$ turn
- 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

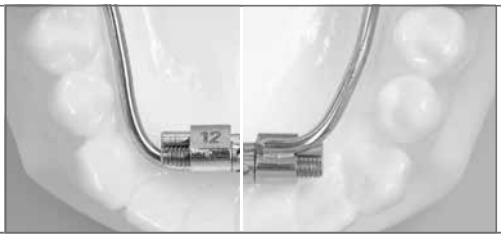
Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.
Assembly dimension: 12.9 mm
Screw body: 9.6 mm
4 x $^1/_4$ turn = 0.8 mm
Material: stainless steel

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 $^1/_4$ 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 $^1/_4$ 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.

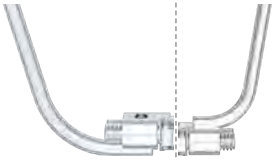
- optimal screw locking during the active treatment phase
- especially suitable for very narrow jaws
- retention legs can be bent very close to the screw body
- small dimensions with maximum expansion
- reliable activation / deactivation of the screw with clearly perceptible click after a $^1/_4$ turn
- 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 $^1/_4$ turn = 0.8 mm
Material: stainless steel

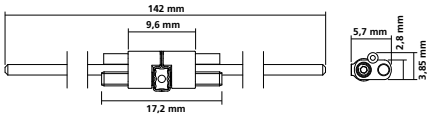
Maximum expansion	REF (without)	REF (straight)	Quantity
12.0 mm	**602-839-12**	**602-839-10**	1 piece
12.0 mm	**602-839-32**	**602-839-30**	10 pieces

CE 0483

Variety click | Variety click SP



Dimensions Variety click / Variety click SP Maxi – 12



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.

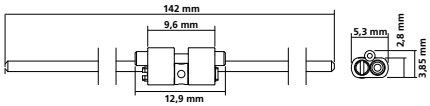
- especially suitable for very narrow jaws
- retention legs can be bent very close to the screw body
- small dimensions with maximum expansion
- break resistant retention legs and stable guidance throughout the entire expansion
- the integrated spindle friction prevents unwanted reversing
- permanently 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

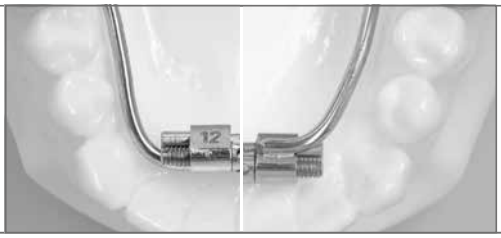
Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.
Assembly dimension: 12.9 mm
Screw body: 9.6 mm
4 x $^1/_4$ turn = 0.8 mm
Material: stainless steel

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 expansion screws

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

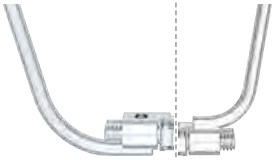
Monoguided special expansion screw. Primarily for treatment of malocclusions in the mandible using fixed appliances, e.g. for distalization, mesialization or for space closure by moving individual teeth. Also for early palatal expansion.

- 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

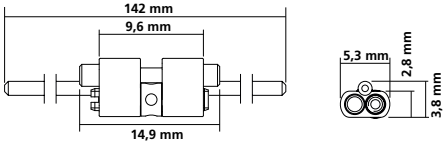
Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.
Assembly dimension: 14.9 mm
Screw body: 9.6 mm
4 x $^1/_4$ turn = 0.8 mm
Material: stainless steel

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



Dimensions Variety / Variety SP Maxi – 12



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.

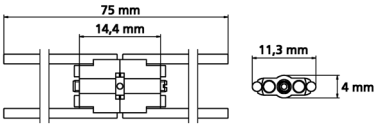
Screw body: 14.4 mm

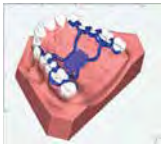
4 x $^1/_4$ turn = 0.8 mm

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

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

L.O.M. LASER OPTIMIZED MATERIAL

hyrax® click Mini – 7

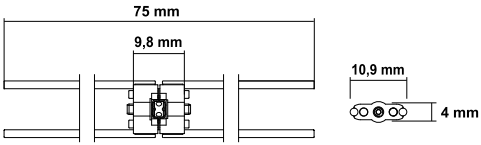
RPE screw with click feature to prevent unwanted reversing
For effective and reliable rapid palatal expansion by means of fixed appliances.

- 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

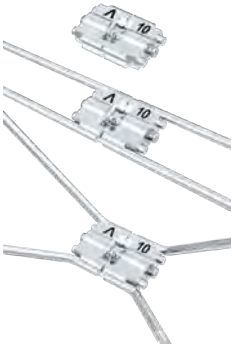
Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.
Screw body: 9.8 mm
4 x $^1/_4$ turn = 0.8 mm
Material: stainless steel

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



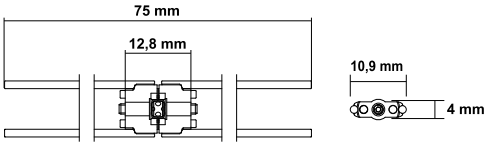
RPE screw with click feature to prevent unwanted reversing
For effective and reliable rapid palatal expansion by means of fixed appliances.

- 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

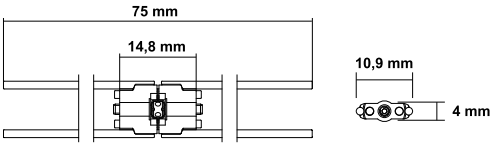
RPE screw with click feature to prevent unwanted reversing
For effective and reliable rapid palatal expansion by means of fixed appliances.

- 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

CE 0483



tomas®-RPE eyelet

(coupling element for RPE screws)
Eyelet for direct coupling between tomas®-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

CE 0483

hyrax® Mini – 7

RPE screw

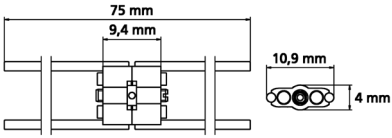
For rapid palatal expansion by means of fixed appliances.

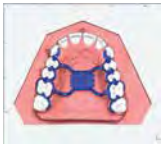
- built-in stops prevent the screws from coming apart once maximum expansion has been obtained
- small dimensions with maximum expansion
- break resistant retention legs, stable guidance throughout complete expansion
- the integrated spindle friction prevents unwanted reversing
- permanently laser marked 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





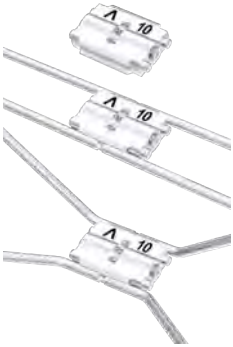
hyrax® Medium – 10

RPE screw

For rapid palatal expansion by means of fixed appliances.

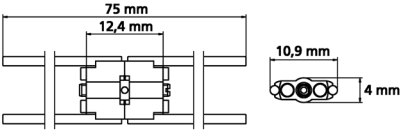
- built-in stops prevent the screws from coming apart once maximum expansion has been obtained
- small dimensions with maximum expansion
- break resistant retention legs, stable guidance throughout complete expansion
- offset body for earliest possible angling of the retention legs
- the integrated spindle 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

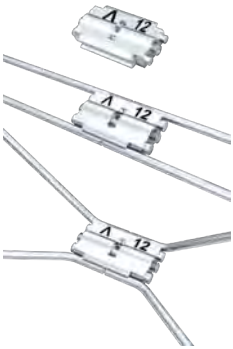


Maximum expansion	REF (without)	REF (straight)	REF (angulated)	Quantity
10.0 mm	**602-808-12**	**602-808-10**	**602-840-10**	1 piece
10.0 mm	**602-808-32**	**602-808-30**	**602-840-30**	10 pieces

CE 0483



RPE screws



hyrax® Maxi – 12

RPE screw

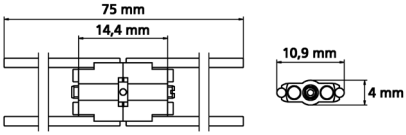
For rapid palatal expansion by means of fixed appliances.

- 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.

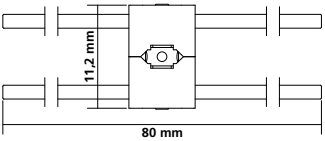
- (no active) expansion stop
- small dimensions with maximum expansion
- TAD-optimized design
- break resistant retention legs, stable guidance throughout complete expansion
- the integrated spindle friction prevents unwanted reversing
- permanently laser marked arrow on the body of the screw indicates 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.

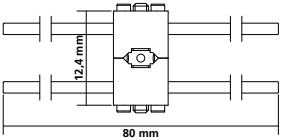
- (no active) expansion stop
- small dimensions with maximum expansion
- TAD-optimized design
- break resistant retention legs, stable guidance throughout complete expansion
- the integrated spindle friction prevents unwanted reversing
- permanently laser marked arrow on the body of the screw indicates the opening direction and maximum expansion
- screw can be tied down once desired expansion has been reached

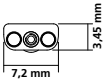
Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.
Screw body: 12.4 mm
4 x $^{1}/_{4}$ turn = 0.8 mm
Material: stainless steel

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

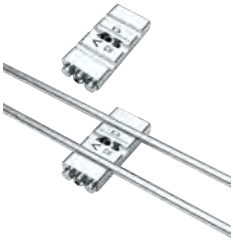
CE 0483

NEW





hyrax® neo Maxi – 12



RPE screw

For rapid palatal expansion by means of a fixed appliance.

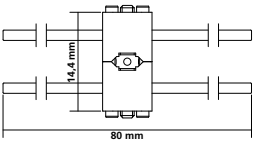
- (no active) expansion stop
- small dimensions with maximum expansion
- TAD-optimized design
- break resistant retention legs, stable guidance throughout complete expansion
- the integrated spindle friction prevents unwanted reversing
- permanently laser marked arrow on the body of the screw indicates 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

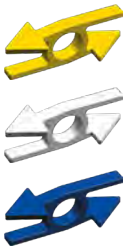
Maximum expansion	REF (without)	REF (straight)	Quantity
12.0 mm	**602-847-12**	**602-847-10**	1 piece
12.0 mm	**602-847-32**	**602-847-30**	10 pieces

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 Dentaurum 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 Dentaurum 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 Dentaurum expansion screws.
To activate all expansion screws in removable appliances (outside of the mouth).
Material: stainless steel

REF 611-116-00	1 piece

CE

Accessories

Expansion screw sample kit

The kit includes a selection from Dentaurum'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

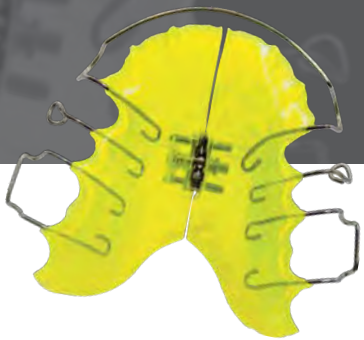
DENTAURUM
ONLINE SHOP
shop.dentaurum.com

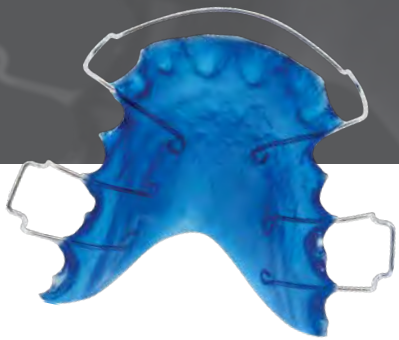
Orthodontic acrylics

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

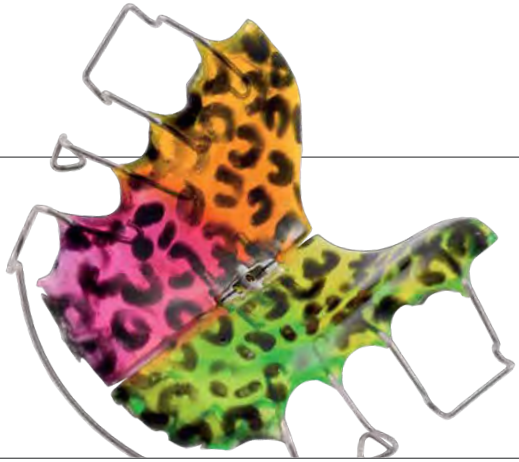
Orthodontic acrylics.

Vibrant colors – fascinating varieties.





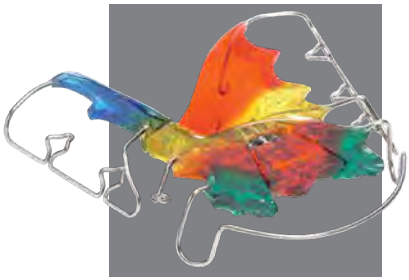
DENTAURUM ONLINE SHOP shop.dentaurum.com



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.

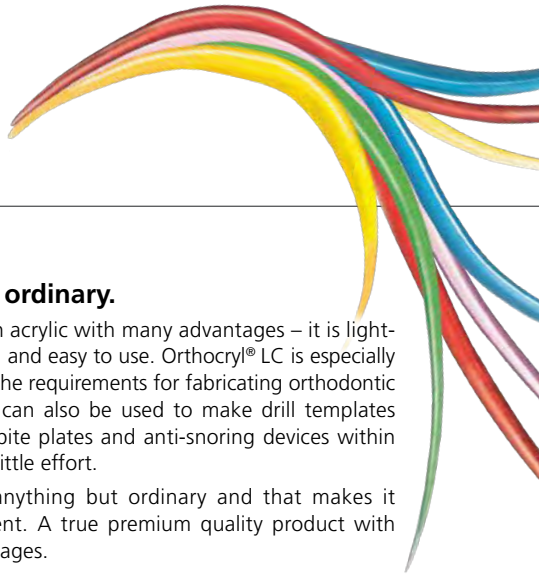
Orthocryl® EQ
Suited for the doughing technique.

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.



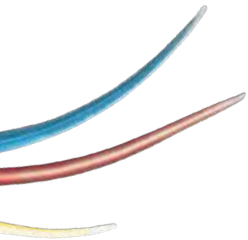
Anything but ordinary.

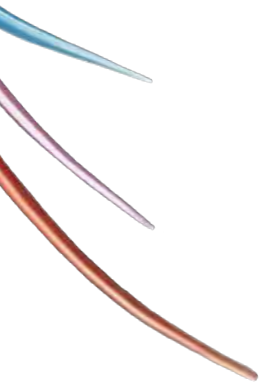
Orthocryl® LC is an acrylic with many advantages – it is light-curing, time-saving and easy to use. Orthocryl® LC is especially designed to meet the requirements for fabricating orthodontic appliances. But it can also be used to make drill templates for implantology, bite plates and anti-snoring devices 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

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

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

CE 0483

Injector

For Orthocryl® LC.

REF 160-420-00	1 piece

Cartridge tip

For Orthocryl® LC.

REF 160-421-00	50 pieces

Cleaning liquid

For Orthocryl® LC.

REF 160-430-00	100 ml

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

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

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

CE 0483

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

CE 0483

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

CE

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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

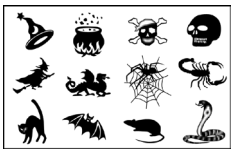
CE

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

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
Crocodile	**160-100-01**	20 pieces
Frog	**160-100-02**	20 pieces
Parrot	**160-100-04**	20 pieces

CE

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

CE

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

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

Measuring beaker

REF 162-200-00	1 piece

Dispensing pipette

For Orthocryl® color concentrates.

REF 162-101-00	10 pieces

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

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

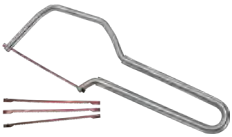
Melting point	Color	REF	Quantity
87 °C / 188.6 °F	pink	**120-170-00**	50 g

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

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

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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

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

Cord with safety lock

For appliance containers, printed with Dentaurum.

Color	REF	Quantity
a variety of colors	**163-807-00**	25 pieces

Premium-Line pliers	Page	342
Pliers and instruments	Page	346
Accessories	Page	347

Pliers and instruments.

Premium quality – premium function.

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One program to cover all areas.

Whether for removable orthodontics or for prosthetics, the Dentaurum 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, Dentaurum's Premium-Line pliers are extra long-lasting*.

PREMIUM
LINE

10 year guarantee!**

* For instructions on how to clean and take care of the Dentaurum 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: ø 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: ø 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: ø 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: ø 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: ø 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: ø 0.7 mm, hard
Premium-Line · 10 year guarantee

REF 003-514-00	1 piece

NEW

Premium-Line pliers

Adams pliers Medium
With two smooth, rectangular beaks.
Hard metal coated working faces.
Length: 12.0 cm
Max. wire thickness: ø 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: ø 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: ø 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: ø 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: ø 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: ø 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: ø 0.9 mm, hard
Cuts up to: ø 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: ø 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: ø 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: ø 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: ø 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: ø 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: ø 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: ø 1.5 mm, hard
Premium-Line · 10 year guarantee

REF 003-202-00	1 piece

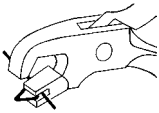
Arrow clasp former

Max. wire thickness: ø 0.7 mm, hard
Premium-Line · 10 year guarantee

REF 012-520-00	1 piece

Arrow clasp bending pliers

Max. wire thickness: ø 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: ø 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: ø 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

Accessories

Maintenance and protection oil

For the maintenance of pliers and instruments.
Application in particular before sterilisation.

REF 055-201-00	50 ml

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

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

Welding units and accessories	Page	354
Casting unit and accessories	Page	365
Surveying equipment and accessories	Page	368
Electric wax knife	Page	371
Model trimmer and accessories	Page	373
Pressure vessel and suction unit	Page	374
Blasting abrasive	Page	375
Miscellaneous	Page	376

Equipment.

For professional workmanship.

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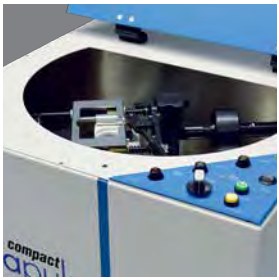
Certified quality made in Germany.

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 Dentaurum.

Ergonomics – extremely user-friendly.

A special characteristic feature of the Dentaurum 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

Power voltage	REF	Quantity
230 V~	**090-578-50**	1 piece

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.

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

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

CE 0483

Composition (percentage by mass)

Co	Cr	Mo
65.0	28.0	5.5

Additional elements < 1 %: Mn, N, Si

LOM LASER OPTIMIZED MATERIAL

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

LASER OPTIMIZED MATERIAL

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

LASER OPTIMIZED MATERIAL

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

LASER OPTIMIZED MATERIAL

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

CE 0483

LOM LASER OPTIMIZED MATERIAL

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

CE 0483

LOM LASER OPTIMIZED MATERIAL

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

Titanium disc

To be used with the titanium disc holder for the laser welder (REF 090-525-00).

REF 090-526-00	5 pieces

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

Foot switch

To be used with the spot welding units Junior 3000, Assistent 3000 and Master 3000.

REF 080-116-00	1 piece

Hand electrode

Suitable for all Dentaurum spot welding units.

REF 081-101-00	1 piece

Holder for hand electrode

For the spot welding units Junior 3000, Assistent 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 Dentaurum spot welding units.
Copper casing.

REF 081-601-00	1 piece

Electrode, notched, for hand electrode

Suitable for all Dentaurum spot welding units.
For soft-annealing, tempering and welding.

REF 081-501-00	2 pieces

Clamping electrode for hand electrode

Suitable for all Dentaurum spot welding units.
For soft-annealing, tempering and welding.

REF 081-701-00	1 piece

Welding units and accessories

Welding electrode

Suitable for all Dentaurum 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 Dentaurum 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

Screw
For tightening electrodes on Dentaurum spot welding units.

REF 084-100-00	10 pieces

File
For cleaning copper and carbon electrodes on spot welding units.

REF 083-300-00	10 pieces

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

REF 380-070-00	100 g

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.

ø	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.

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

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

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

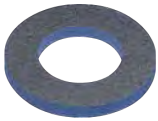
Technical data

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

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.

REF 094-290-00	1 piece

Technical data

Dimensions (W x H x D)	200 mm x 390 mm x 240 mm

Surveying equipment and accessories

Analyzing rod
For Paratherm and Paraline.

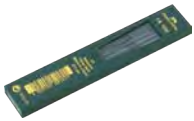
REF 094-287-00	1 piece

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

REF 091-105-00	1 piece

For Dentaurum dual wheel model trimmer (REF 091-100-00).
- long operating life
- extremely high abrasive capacity
- minimal force required

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

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

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

Dentaurum 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

Knowledge

remanium® kompendium	Page	380
o-atlas II	Page	382
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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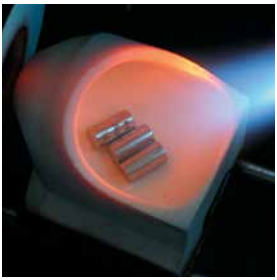
remanium® kompendium.

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



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Chapter 2: Cast partial dentures.

The second part of the kompendium series describes the procedure during fabrication of a clasped partial denture. Starting with model analysis and the principles of statics, the entire procedure is presented in detail up to polishing of the cast partial denture framework. The concept is completed with a description of different types of clasps and examples of cases.

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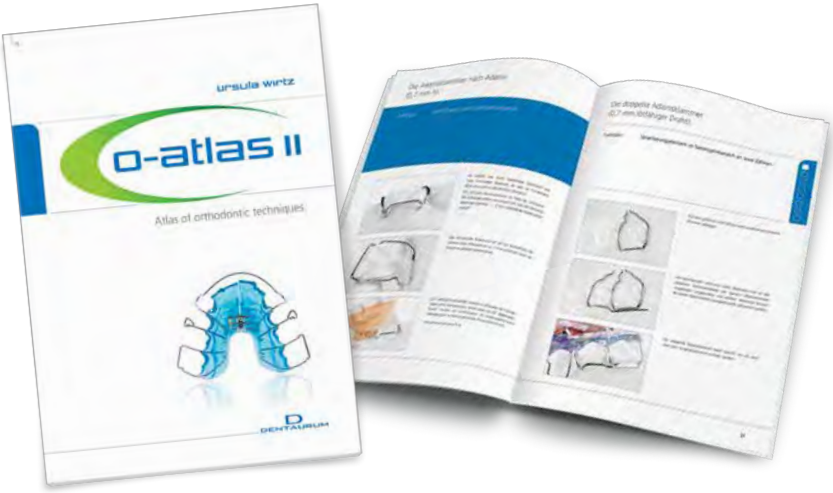

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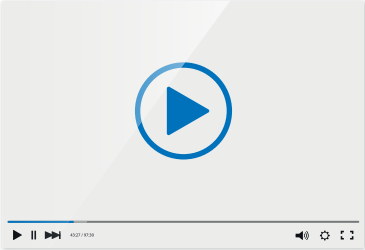

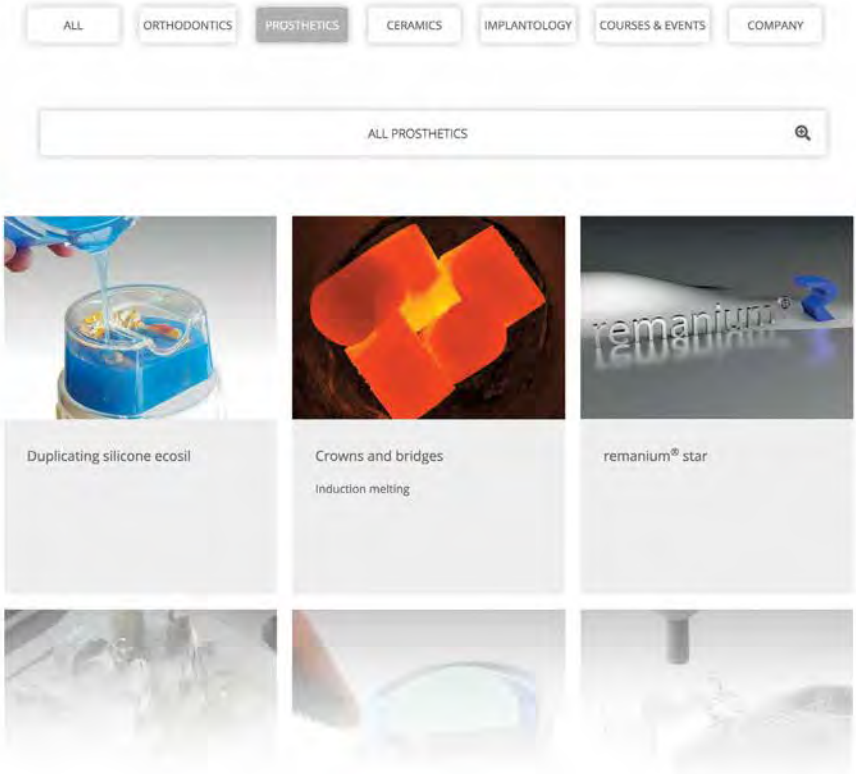
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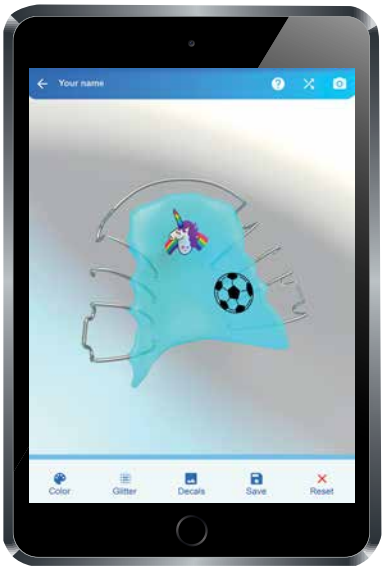
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Courses	Page	394
Webinars	Page	396

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Contact	Page	11
Overview of materials and alloys	Page	400
Conversion charts	Page	401
Environment and sustainability	Page	402
Alphabetical index	Page	404
Numerical index	Page	412

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Overview of materials and alloys

1. Cobalt-based alloys

chemical composition in wt %

Material Designation	Co	Ni	Cr	W	Mo	Si	Fe	Mn	Ta	Nb	C	N	B
Crowns and bridges / partial dentures													
remanium® star	60.5	–	28.0	9.0	–	1.5	–	< 1.0	–	< 1.0	–	< 1.0	–
remanium® secura	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 Designation	Co	Ni	Cr	Mo	Si	Fe	Mn	Ti	Al	Nb	B
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	3.5	–

3. Titanium / Titanium alloys

chemical composition in wt %

Material										
Quality	Norm	Number (DIN)	Ti	Al	V	Fe	C	N	H	O
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 Al6 V4 ELI; chemical composition acc. to ASTM F 136

Conversion charts

Note:
ø 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/mm²
1 N/mm²	= 145.14 p. s. i.
1 p. s. i.	= 0.00689 N/mm²

1 l	= 1000 ml = 2.11 pints
	= 1.06 quarts = 0.26 gallons

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

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	

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	0.6069	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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Environment and sustainability

Alphabetical index

1, 2, 3	
3-Prong pliers	344–345
3D retainer	277
3D separating medium	264, 331
A	**Page**
• Acrylics, orthodontics	320–325
Accessories	330–334
Decal, orthodontics	326–329
Disco glitter	325
Orthocryl® – acrylic	322–324
Orthocryl® LC – light-curing acrylic	320–321
Activator screw	288, 299
Adams clasp	278
Adams pliers	342–343
Aderer pliers	344–345
Adjustable stand	356
Aesthetic wax	176
Alginate	262
Aloxine point	240
Aluminum oxide	375
Analyzing rod	369
Angle wire bending pliers	342
Appliance container	335–336
Argon fitting	359
Armrest cushion	359
Arrow clasp	279
Arrow clasp former, arrow clasp bending pliers	345
Arrow to indicate the opening direction	312
Assistent 3000, spot welding unit	360
B	**Page**
Ball retainer clasp	279
Bending key for expansion screw	312
Bertoni expansion screw	292–294
Bite registration wax	264–265, 331
black & white, Orthocryl	323
Blasting abrasive	375
Blocking-out and waxing unit	368
Blocking-out material (Gumex N)	221
Blocking-out tip	369
Blocking-out wax	228
Bonder	65
Bonyhard clasp	223
Bur	241–244
Bur stand	256
C	**Page**
CAD/CAM materials	126–138
CAD/CAM primer	65
CAD/Vest	136, 208
Carbon fire chips	116
Carbon insert	362
Casting metal, titanium	161–162, 204–205
Casting ring	178, 230
Casting ring base	178
Casting ring tongs	178, 230, 346
Casting unit and accessories	365–367
Casting wax	176
Castorit® all speed	169
Castorit®-super C	170
Centrifugal casting unit	365
Ceramic accessories, ceraMotion®	34, 114–116
Ceramic crucible	366, 367
Ceramic grinder	247–249
Ceramic seal	367
Ceramics and accessories	18–117
ceraMotion® press invest	172
ceraMotion® veneering and press ceramic	18–117
• ceraMotion® One Touch	22–23, 28–29
Set	22
2D, 3D paste	23
Glaze, liquids and accessories	28–29
• ceraMotion® One Touch No Limits	24–25
Set	24
2D, 3D paste	25
Glaze, liquids and accessories	28–29
• ceraMotion® One Touch Pink	26–27
Set	26
2D, 3D paste	27
Glaze, liquids and accessories	28–29
• ceraMotion® LiSi	32–33

Alphabetical index

• ceraMotion® Zr	38–57
Set	38–43
Dentin	45–47
Incisal	48–51
Value Concept	50–51
Chroma Concept	52
Touch Up	53
Correction	54
Glaze	54
• ceraMotion® Me	58–81
Set	58–64
Opaque	65, 66
Dentin	67–69
Incisal	70–73
Value Concept	72–73
Chroma Concept	74–75
Touch Up	76–77
Correction	78
Glaze	78
• ceraMotion® Ti	82–101
Set	82–86
Bonder	87
Opaque	87–88
Dentin	89–91
Incisal	92–93
Chroma Concept	95
Touch Up	96
Correction	97
Glaze	97
• ceraMotion® Lf	102–113
Set	102
Opaque	103
Dentin	104–106
Incisal	107–108
Chroma Concept	109
Correction	110
Glaze	110
ceraMotion® Z	126–131
Cervical wax	176
Chamois leather	254
Chroma Concept Set	41, 62, 84
Clamping electrode	361
Cloth polishing brush	254
CoCr alloy	132, 148–149, 154–158
CoCr milling blank	132, 155
CoCr welding wire	165, 207, 356
CoCrMo-Sold 1	163, 206
Cold model hardener	174, 213, 222
Conical pin, wax	179
Contact	11
Contrast marker	57, 81, 100, 113
Conversion charts	401
Cord with safety lock	336
Corundum	375
Corundum disc for model trimmer	373
Courses, webinars and events	392–397
Covering mass (Gumex N)	221
Crown and bridge investment materials	152–153, 167–174
Crown Master forceps	256, 346
Crowns and bridges, CoCr alloy	148–149, 154–158
Crowns and bridges, NiCr alloy	147, 159–160
Crowns and bridges, wax	175–177
Crozat wire	275
Crucible	366, 367
Crucibles and accessories	366, 367
Cutter	241–244
D	**Page**
Decal, orthodontics	326–329
Dentaflux®	164, 207, 363
Dental stone	180, 231, 263
Dentaurum Digital	9, 277
Dermatril® disposable rubber gloves	333
desktop Compact	354
Diamond bur	245–249
Diamond cleaning stone	247
Diamond disc	246–247, 249, 373
Diamond polishing paste (Tiger Diamond)	255
Diasint diamond bur	245–246, 247–249
Diasint diamond disc	246–247, 248–249

Alphabetical index

Diasint Zr diamond bur for zirconium dioxide	247, 248
Die Lube	179
Dipping wax	176
Disco glitter	325
Dispensing pipette	330
Disposable rubber gloves	333
Dowel pin	180
Dressing stone	240
Dual wheel model trimmer	373
Dubliform	216
DubliGel	218, 334
Dubliplast®	218
Dublitop®	215
Duplicating gels	199, 215–218, 334
Duplicating materials	199, 215–218, 334
Duplikat	217
E	**Page**
ecosil+	219, 334
Edelweiß polishing paste and liquid	256
Electrodes for spot welding unit	361–362
Electropolishing solution	231
Emery cloth	250
Expansion screw key	312
Expansion screw sample kit	313
Expansion screws	286–288
F	**Page**
Facebow bending pliers	345
Fan-type expansion screw	296
File	363
Fine investment	214
Finishing paste	255
Firing tray	116
FKO-Split-Post Fixator	332
Flexaponal®	265
Flexible forward thrust double plate system acc. to Schaneng	298
Foot switch for spot welding unit	361
Forward thrust double plate system	297
Forward thrust double plate system acc. to Schaneng	298
Funnel	330
G	**Page**
Gingival material	27, 50, 53, 72, 77, 94, 108
Glaze material	28, 54, 78, 97, 110
Graphite holder	369
Graphite insert	366
Grid strengthener	266, 281
Grinding disc	238
Grinding points	239–240
Grinding wheel	238
Gumex N	221
H	**Page**
Hand electrode for spot welding unit	361
Hard metal bur and cutter	241–244
Heat protection	207, 363
Heating plate	333, 374
Holder for burs and cutters	256
Holder for hand electrodes for spot welding unit	361
hyrax® click expansion screws	307–308
hyrax® expansion screws	306–311
I	**Page**
Implantology	182–187
Impression material	262
Investing system	178, 230
Investment material for 3D printing	136, 208
Investment material for press ceramic	172
Investment material for titanium	213
Investment material, crowns and bridges	152–153, 167–172
Investment material, partial dentures	197, 208–211
Investment system, quick	230
J	**Page**
Joining wax	228
K	**Page**
Kera-Vlies®	178

Alphabetical index

• Keys	
expansion screw key	312
safety key hyrax® / Variety	312
universal bending key	312
Knowledge	378–391
L	**Page**
Labial arch	278
Laser welding unit and accessories	354–359
Light-curing orthodontic acrylics	320–321
Liner	44, 52
Liner for metal casting ring	178
Lingual bar	280
Lining paper	230
Liquids (ceramics)	28, 56, 80–81, 99, 112
Lithium disilicate ceramic	32–33
Loop forming pliers	342
Low-fusing ceramic, ceraMotion® Lf	102–113
Lubrofilm®	179, 222
M	**Page**
Magnetic holder	256
Maintenance and protection of pliers	347
Maintenance and protection oil for pliers and instruments	347
Mandrel	250
Marking pencil	229, 267
Matrix band	267
Measuring beaker	231, 330
Medical-grade white oil	347
megapuls compact	365
Metal ceramic, ceraMotion® Me	58–81
Milling blank	126–135, 155
Milling wax	176
Mini torch	376
Mixing bowl	180, 231, 263
Mixing bowl, silicone	264, 330
Model and casting ring tongs	178, 230, 346
Model gloss	263
Model hardener	213, 222
Model table	370
Model trimmer	373
Modeling wax	175, 264, 331
Mosquito forceps	346
N	**Page**
Neo-Bertoni 3D	293
Neo-Bertoni screws	292–293
Neo-bite jumping appliance acc. to F. M. Sander	297
NiCr alloy	147, 159–160
NiCr welding wire	165, 357
NiCr-Sold 1	163
Noninium® clasp	278–279
Noninium® wire and clasp	274, 278–279
O	**Page**
o-atlas II	382–383
Online Shop	8
Orthalgenat® Duo	262
Orthalgenat® Ex	262
• Orthocryl® – acrylic	322–325
Accessories	330–334
Assortment	322
black & white	323
Color concentrate	324
Decal, orthodontics	326–329
Disco glitter	325
Neon	322, 323
Single pack	323–324
• Orthocryl® LC – light-curing acrylic	320–321
Accessories	321
Single pack	321
Starter set	320
Orthodontic acrylic	320–325
Orthodontic acrylic, light-curing	320–321
Overview of materials and alloys	400
P	**Page**
Palatal cup brush	254
Palatal expansion screw	302–311
Paralas	359

Alphabetical index

Paraline	368
Paratherm	368
Partial denture alloy	195, 200–203
Partial denture investment material	197, 208–211, 213
Partial denture wax	223–228
Pipette	330
Piston spring screw	300
Plaster	180, 231, 263
Plastic retention	229
Pliers	342–346
Pointed beak pliers	343–345
Polish	255–256
Polishing beads	375
Polishing brush	253, 254, 255
Polishing paste	255–256
Polyclav®	332, 374
Powder for laser melting	137–138
Power Liquid	171, 212
Preformed clasp, wax	223
Pregrinding media	239
Premium-Line pliers	342–345
Preparation wax	226
Press ceramic, ceraMotion® LiSi	30–35
Press ingot	32–33
Press investment material	172
Press plunger	34, 173
Pressure hose	332, 374
Pressure vessel	332, 374
Progenia screw	299
R	**Page**
Rapidur®	180, 231, 263
Reamer	301
Relining wax	226
rema® CAD/Vest	136, 208
rema® CC	167
rema® dynamic S	209
rema® Exakt	211
rema® Exakt F	210
rema® Flux 1	163, 207
rema® Form	221, 230
rema® partial denture investment material	197, 208–213
rema® Sil	219
rema® TT	168
Remadur	222
remaloy® wires	275
remanium® 2000+	157
remanium® 2001	158
remanium® C+B alloy	147–149, 154–160
remanium® CSe	159
remanium® G-soft	160
remanium® GM 280	203
remanium® GM 380+	201
remanium® GM 800+	200
remanium® GM 900	202
remanium® kompendium	380–381
remanium® partial denture alloy	195, 200–203
remanium® secura	156
remanium® star	132, 154–155
remanium® star milling blank	132, 155
remanium® star powder, 10-30 µm	137
remanium® wires	272–274
rematain® flat	276
rematitan® cold model hardener	174, 213
rematitan® expansion screws	288, 306
rematitan® M	162, 205
rematitan® Plus	174, 213
rematitan® powder, 15-45 µm	138
rematitan® wire	165–166, 306, 357–358
Replacement graphite marker	369
Retainer	276–277
Retainer clasp	279
Retraction screw	291–292
RK 3 fine investment	214
RK-DUR fine investment	214
RPE screws	306–311
Rubber polisher	251–252
S	**Page**
Sample former	116

Alphabetical index

Saw	180, 332
Scissors	346
Screw acc. to Sander	297
Screwdriver	301
Sectional screws	289–290, 292–295
Separating agent	179
Separating disc	236–238
Separating medium	116, 179, 264, 331
Septisol	222
Shade Disc	38, 40–43, 58, 60–64, 82, 84–86, 102, 114–115
Shade Guide A-D	115
Side cutter	346
Side cutter, heavy gauge	346
Silichrom polisher	251
Silicone	219, 334
Silicone mixing bowl	264, 330
Silicone polisher	253
Silicone surface reducing agent	179, 222
Siliform	221
Silver solder	164, 206, 364
Sinter diamond trimmer	249
Snap hooks	336
Soldering carbon for hand electrode for spot welding units	361
Soldering electrode for spot welding unit	362
Solders	163–164, 206, 364
Special screw	289–301
Special tooth-arch concentrate	212
Special wax	265
Spot welding unit	360
Spray bottle	330
Spray nozzle	330
Sprue	230
Sprue former	178, 220, 230
Stainless steel brush	254, 255
Stainless steel expansion screw	286–287, 288–297, 302–305, 307–311
Stains	43, 55, 64, 79, 86, 98, 111
Stains Universal Set	43, 64, 86
Stand for pliers	347
Stand, adjustable	356
StarWax program	175–176
Sticky wax	176, 331
Suction unit	333, 374
Supercut separating disc	236–237
Surveying equipment and accessories	368–370
T	**Page**
Table with integrated water tank and pump	366
Tap	220, 334
Thermo wax	331
Thermoforming foil	179
Thermomat	371
Three-dimensional screw	292–295
Tiger Brillant polishing paste	255
Tiger Diamond polishing paste	255
Tiger Starshine finishing paste	255
Tin foil	267
Titan hyrax® expansion screw	306
Titanium ceramic, ceraMotion® Ti	82–101
Titanium disc	358
Titanium disc holder	358
Titanium wire	165–166, 306, 357–358
Titanium, casting metal	161–162, 204–205
Titanium, expansion screw	288
Titanium, investment material	174, 213
Titanium, milling blank	133–134
Touch Up	42, 53, 63, 76–77, 85, 96
Transpa material (ceramics)	48–49, 51, 70–71, 73, 92–93, 107
Triangular clasp	278
Trimmer, for plaster models	373
Tritan	161, 204
Trivest	171

Alphabetical index

Tungsten electrode	359
TX separating disc	237
U	**Page**
Ultrasonic cleaning solutions	267
Undercut gauge	369
Universal bending key for expansion screw	312
Universal flux	163, 164, 207, 363
Universal silver solder	164, 206, 364
V	**Page**
Variety expansion screws	302–305
W	**Page**
Wax	175–177, 223–228, 264–265, 331
Wax clasp	223
Wax knife	370, 371
Wax milling blank	135
Wax pattern	177, 225–226
Wax retention	224
Wax sheet	226–228, 264, 331
Wax stick	177
Wax surface reducing agent	179, 222
Wax template	223–224
Wax wire	177, 225
Wax-Fix	229
Wax-up tool	372
Welding units and accessories	354–364
Welding wire	165–166, 207, 306, 356–358
White gold solder	164, 206, 364
Wire bending pliers	344
Wire element	278–281
Wire mesh	266, 281
Wires	165–166, 207, 272–275, 306, 356–358
Wires and pliers, stand	347
Wires, stand	347

Z	**Page**
Zirconium dioxide, diamond bur	247–249
Zirconium oxide ceramic, ceraMotion® Zr	38–57
Zirconium oxide milling blank	126–131

Numerical index

REF	Page	REF	Page	REF	Page	REF	Page
000-730-00	346	081-204-00	361	090-611-00	366	100-205-15	134
001-650-00	342	081-205-00	361	090-615-00	366	100-205-20	134
003-053-00	342	081-206-00	361	090-620-00	365	100-205-25	134
003-094-00	343	081-501-00	361	091-100-00	373	100-205-30	134
003-139-00	342	081-601-00	361	091-101-00	373	102-001-10	195, 201
003-180-01	345	081-701-00	361	091-102-00	373	102-200-10	195, 200
003-200-00	345	083-300-00	363	091-105-00	373	102-250-00	195, 202
003-201-00	344	084-100-00	363	094-270-00	368	102-280-00	195, 203
003-202-00	345	085-000-00	362	094-272-00	368, **370**	102-302-00	147, 163
003-233-00	342	085-100-00	362	094-275-00	368, **369**	102-304-00	**163**, 206, **207**
003-290-00	344	085-200-00	362	094-276-00	369	102-306-00	149, 163, 195, 206
003-514-00	342	085-300-00	362	094-277-00	368, **369**	102-401-05	147, 159
003-515-00	343	085-400-00	362	094-278-00	369	102-403-05	147, 159
003-516-00	343	086-000-00	362	094-279-00	369	102-600-01	149, 158
004-095-00	343	086-100-00	362	094-280-00	369	102-600-02	149, 158
004-139-00	342	086-200-00	362	094-281-00	369	102-600-10	149, 157
004-455-00	344	086-300-00	362	094-283-00	368, **369**	102-601-10	149, 157
004-515-00	343	086-340-00	368	094-284-00	368, **369**	102-602-10	149, 157
007-024-00	346	086-340-60	370	094-285-00	368, **369**	102-620-00	149, 154
008-025-00	346	089-430-00	256	094-286-00	368, **369**	102-620-70	137
012-074-00	344	089-431-00	256	094-287-00	368, **369**	102-621-00	149, 154
012-520-00	345	089-602-00	370, 372	094-288-00	368, **369**	102-622-00	149, 154
012-521-00	345	089-603-00	372	094-289-00	368, **369**	102-630-00	149, 156
013-522-00	344	089-604-00	372	094-290-00	368	102-631-00	149, 156
033-452-00	343	089-605-00	372	094-538-00	376	102-632-00	149, 156
035-455-00	344	089-606-00	372	094-610-00	267	102-750-01	132, 155
043-700-00	229, 267	089-612-00	371, 372	094-611-00	267	102-751-01	132, 155
043-720-00	313	089-615-00	371	094-612-00	267	102-752-01	132, 155
043-800-00	267	089-620-00	**371**, 372	095-062-00	376	102-753-01	132, 155
043-900-00	267	090-012-60	367	095-063-00	376	102-754-01	132, 155
044-177-00	346	090-027-00	178, 220	095-064-00	376	102-755-01	132, 155
055-000-00	347	090-110-00	367	097-400-01	376	102-756-01	132, 155
055-100-00	347	090-160-00	367	100-001-00	147, 160	102-757-01	132, 155
055-101-01	347	090-161-50	367	100-100-50	161, 204	104-400-50	214
055-201-00	347	090-162-00	367	100-101-50	161, 204	104-501-50	214
070-000-00	333, 374	090-401-00	359	100-102-50	161, 204	105-008-50	197, 210
070-010-00	332, 333, 374	090-404-00	359	100-103-50	161, 204	105-020-00	197, 211
070-015-00	332, 374	090-513-10	359	100-105-50	161, 204	105-020-50	197, 210
070-900-00	333, 374	090-520-00	359	100-107-00	162, 205	105-021-50	197, 210
072-001-00	333, 374	090-525-00	358	100-145-00	138	105-501-00	197, 210, 211
072-002-00	333, 374	090-526-00	358	100-202-10	133	105-502-00	153, 171, 197, 212
072-001-40	333, 374	090-574-00	356	100-202-12	133	105-600-50	197, 209
072-004-00	332	090-578-50	354	100-202-15	133	105-609-50	197, 209
078-000-00	360	090-594-00	355	100-202-20	133	105-610-50	197, 209
080-116-00	361	090-606-00	366	100-205-10	134	105-620-50	197, 209
081-101-00	361	090-610-00	366	100-205-12	134	105-621-00	212

Numerical index

REF	Page	REF	Page	REF	Page	REF	Page
105-623-50	197, 209	110-003-00	223	114-420-00	227	120-204-00	175
105-725-00	136, 197, 208	110-005-00	223	114-425-00	227	120-205-00	175
105-726-00	136, 197, 208	110-006-00	224	114-430-00	227	120-206-00	175
105-728-00	136, 197, 208	110-011-00	224	114-435-00	227	120-207-00	175
105-741-00	153, 169	110-012-00	224	114-440-00	227	120-208-00	175
105-745-00	153, 169	110-013-00	223	114-450-00	227	120-211-00	176
105-840-00	153, 167	110-101-00	224	114-460-00	227	120-212-00	176
105-841-00	153, 167	110-102-00	224	114-470-00	227	120-213-50	176
105-845-00	153, 167	110-103-00	224	114-480-00	227	120-230-00	135
105-846-00	153, 167	110-201-00	230	114-500-00	227	120-235-00	135
105-995-00	231	110-210-00	229	117-035-00	227	122-300-00	176, 331
106-704-00	153, 170	110-301-00	228	117-040-00	227	123-580-00	241
106-706-00	153, 171	110-310-00	228	117-045-00	227	123-581-00	241
106-707-00	153, 168	111-106-00	177, 225	117-050-00	227	123-582-00	241
106-721-00	153, 170	111-108-00	177, 225	117-060-00	227	123-583-00	241
106-731-00	153, 171	111-109-00	177, 225	117-130-00	227	123-584-00	241
106-740-00	153, 168	111-110-00	177, 225	117-135-00	227	123-585-00	241
106-800-00	178	111-112-00	177, 225	117-140-00	227	123-586-00	241
106-801-00	178	111-115-00	177, 225	117-145-00	227	123-588-00	241
106-802-00	178	111-120-00	177, 225	117-150-00	227	123-590-00	241
106-820-00	178	111-216-00	224	117-160-00	227	123-591-00	241
106-821-00	178	111-217-00	224	117-235-00	228	123-592-00	242
106-822-00	178	111-218-00	224	117-240-00	228	123-593-00	242
106-825-00	178	111-301-00	225	117-245-00	228	123-594-00	243
107-600-00	174, 213	111-303-00	225	117-250-00	228	123-596-00	243
107-601-00	174, 213	111-304-00	225	117-260-00	228	123-597-00	244
107-602-00	174, 213	111-306-00	225	118-040-00	228	123-598-00	244
107-610-00	174, 213	111-308-00	225	118-045-00	228	123-600-00	242
108-500-00	199, 216	111-311-00	226	118-050-00	228	123-601-00	242
108-550-00	199, 216	111-312-00	226	118-060-00	228	123-602-00	242
108-600-00	199, 217	111-313-00	225	119-150-00	**264**, 331	123-610-00	243
108-605-00	199, 217	111-314-00	225	120-023-00	226	123-611-00	243
108-610-00	199, 215	111-425-00	177, 225	120-024-00	226	123-612-00	243
108-700-00	219	111-430-00	177, 225	120-025-00	226	123-613-00	243
108-701-00	219	111-435-00	177, 225	120-026-00	226	123-800-00	176
108-703-10	219, 334	111-450-00	177, 225	120-027-00	226	124-002-00	265
108-704-10	219, 334	111-720-00	177, 225	120-104-00	226	124-003-00	265
108-705-10	219, 334	111-825-00	177, 225	120-105-00	226	124-202-00	265
108-706-10	219, 334	111-830-00	177, 225	120-106-00	226	126-221-00	229
108-710-00	219	111-835-00	177, 225	120-107-00	226	126-222-00	229
108-711-00	219	111-840-00	177, 225	120-131-00	179	126-226-00	229
108-716-00	220, 334	111-850-00	177, 225	120-132-00	179	126-231-00	229
108-720-50	222	111-901-00	179	120-170-00	331	126-232-00	229
108-721-50	222	112-000-00	179	120-201-00	175	127-010-00	230
110-001-00	223	112-050-00	179, 222	120-202-00	175	127-250-00	178
110-002-00	223	112-051-00	179, 222	120-203-00	175	127-251-00	178

Numerical index

REF	Page	REF	Page	REF	Page	REF	Page
127-306-00	230	132-201-00	239	138-602-00	252	160-100-19	326, **329**
127-307-00	230	132-202-00	239	138-603-00	252	160-100-27	326, **329**
127-308-00	230	132-203-00	239	138-605-00	252	160-100-28	329
127-309-00	221, 230	132-205-00	239	138-606-00	253	160-100-29	326, **329**
127-310-00	230	132-801-00	240	138-623-00	253	160-100-30	329
127-311-00	220, 230	132-802-00	240	138-640-00	251	160-100-31	326, **329**
127-312-00	220, 230	132-803-00	240	138-645-00	251	160-100-34	329
127-315-00	221	132-804-00	240	139-100-00	250	160-100-39	326
127-316-00	221	134-000-00	239	139-300-00	250	160-100-40	326
127-317-00	221	135-851-00	240	139-301-00	250	160-100-41	326
127-318-00	221	135-852-00	240	139-500-00	250	160-100-42	327
127-410-00	178, 230, 346	135-853-00	240	140-015-00	250	160-100-43	327
127-870-00	254	135-855-00	240	140-016-00	250	160-100-44	327
127-922-00	255	137-807-00	247	141-700-00	253	160-100-45	326, **329**
127-922-10	255	137-810-00	247	141-700-10	253	160-100-46	327
128-010-00	375	137-820-00	245	141-710-00	253	160-112-00	322, **323**
128-011-00	375	137-821-00	245	141-711-00	253	160-212-00	322, **323**
128-015-00	375	137-822-00	245	141-712-00	253	160-300-00	323
128-016-00	375	137-823-00	245	141-713-00	254	160-301-00	323
128-017-00	375	137-824-00	245	141-713-10	254	160-400-00	320
128-020-00	375	137-825-00	245	141-800-00	255	160-400-20	320
128-211-00	375	137-826-00	246	141-810-00	255	160-401-00	320, **321**
128-301-00	231	137-827-00	246	150-010-00	262	160-402-00	320, **321**
128-401-00	231	137-828-00	246	150-501-20	262	160-404-00	320, **321**
130-101-00	236	137-829-00	245	150-509-20	262	160-410-00	321
130-101-40	236	137-830-00	245	150-520-20	262	160-420-00	320, **321**
130-102-00	236	137-831-00	246	160-011-00	323	160-421-00	320, **321**
130-102-40	236	137-840-00	249	160-012-00	323	160-422-00	321
130-103-00	236	137-841-00	248, 249	160-013-00	323	160-430-00	321
130-103-40	236	137-842-00	248, 249	160-014-00	323	160-501-00	322
130-111-00	237	137-843-00	248, 249	160-100-00	326	160-502-00	322
130-111-40	237	137-844-00	248, 249	160-100-01	326, **327**	160-600-00	322
130-112-00	237	137-846-00	247	160-100-02	326, **327**	160-700-00	322
130-112-40	237	137-847-00	247	160-100-04	326, **327**	161-100-00	322, **324**
130-113-00	237	137-850-00	246	160-100-05	326, **328**	161-127-00	322, **324**
130-113-40	237	137-855-00	246	160-100-06	326, **328**	161-128-00	322, **324**
130-114-00	237	137-856-00	247	160-100-07	326, **328**	161-129-00	322, **324**
130-115-00	236	137-900-00	240	160-100-09	326, **328**	161-130-00	322, **324**
130-131-00	238	138-101-00	252	160-100-10	326, **328**	161-131-00	324
130-137-00	238	138-102-00	251	160-100-11	326, **328**	161-132-00	324
130-138-00	238	138-103-00	251	160-100-12	326, **328**	161-133-00	324
130-324-00	238	138-301-00	252	160-100-13	326, **328**	161-134-00	324
130-512-00	237	138-302-00	251	160-100-14	326, **328**	161-135-00	322, **323**
130-634-00	238	138-303-00	251	160-100-15	326, **328**	161-136-00	322, **323**
130-824-00	238	138-501-00	252	160-100-16	326, **329**	161-137-00	322, **323**
131-322-50	238	138-601-00	252	160-100-18	326, **329**	161-138-00	322, **323**

Numerical index

REF	Page	REF	Page	REF	Page	REF	Page
161-139-00	322, **323**	164-651-00	180, 231, 263	250-024-40	45	250-051-40	46
161-150-00	324	165-500-00	199, 218	250-025-20	45	250-052-20	38, **46**
161-300-00	324	165-501-00	199, 218, 334	250-025-40	45	250-052-40	46
161-350-00	324	165-550-00	199, 218	250-026-20	45	250-053-20	46
161-605-00	325	166-450-00	263	250-026-40	45	250-053-40	46
161-606-00	325	167-215-00	222	250-027-20	38, 39, **45**	250-054-20	46
161-607-00	325	167-301-00	222	250-027-40	45	250-054-40	46
161-608-00	325	167-305-00	174, 213	250-028-20	38, **45**	250-055-20	38, **46**
161-609-00	325	168-015-50	221	250-028-40	45	250-055-40	46
161-611-00	325	180-201-00	244	250-029-20	45	250-056-20	46
161-620-00	324	180-202-00	244	250-029-40	45	250-056-40	46
161-622-00	324	180-304-00	244	250-030-20	45	250-060-20	38, 39, **48**
161-912-00	322	180-305-00	244	250-030-40	45	250-060-40	48
162-100-00	322, **330**	180-308-00	243	250-031-20	45	250-061-20	38, 39, **48**
162-101-00	330	180-702-00	180, 332	250-031-40	45	250-061-40	48
162-200-00	322, **330**	180-703-00	180, 332	250-032-20	38, **45**	250-062-20	48
162-501-00	264, 330	181-100-01	254	250-032-40	45	250-062-40	48
162-502-00	264, 330	181-200-00	254	250-033-20	45	250-065-20	38, **48**
162-503-00	264, 330	181-201-00	254	250-033-40	45	250-065-40	48
162-600-00	322, **330**	190-100-00	256	250-034-20	45	250-066-20	38, **48**
162-751-00	322, **330**	190-200-00	256	250-034-40	45	250-066-40	48
162-752-00	322, **330**	190-301-00	255	250-035-20	38, **45**	250-067-20	48
162-800-00	**264**, 322, **331**	190-302-00	255	250-035-40	45	250-067-40	48
162-801-00	264, 331	190-350-00	255	250-036-20	45	250-070-20	38, 39, **48**
162-907-00	333	190-350-50	255	250-036-40	45	250-070-40	48
162-908-00	333	250-001-20	44	250-041-20	38, **46**	250-071-20	38, 39, **48**
162-909-00	333	250-001-40	44	250-041-40	46	250-071-40	48
163-602-01	335	250-002-20	44	250-042-20	38, 39, **46**	250-072-20	48
163-610-01	335	250-002-40	44	250-042-40	46	250-072-40	48
163-611-01	335	250-003-20	44	250-043-20	38, 39, **46**	250-075-20	38, 39, **49**
163-612-01	335	250-003-40	44	250-043-40	46	250-075-40	49
163-701-01	335	250-004-20	44	250-044-20	38, **46**	250-081-20	50
163-702-01	335	250-004-40	44	250-044-40	46	250-082-20	50
163-703-01	335	250-005-20	44	250-045-20	46	250-083-20	50
163-707-01	335	250-005-40	44	250-045-40	46	250-084-20	50
163-710-01	335	250-006-20	44	250-046-20	46	250-085-20	50
163-711-01	335	250-006-40	44	250-046-40	46	250-086-20	50
163-712-01	335	250-018-20	44	250-047-20	38, 39, **46**	250-090-20	50
163-713-01	335	250-019-20	44	250-047-40	46	250-091-20	50
163-801-00	336	250-021-20	38, **45**	250-048-20	38, **46**	250-092-20	50
163-801-01	335	250-021-40	45	250-048-40	46	250-093-20	50
163-802-01	335	250-022-20	38, 39, **45**	250-049-20	46	250-095-03	38, **54**
163-805-01	336	250-022-40	45	250-049-40	46	250-101-20	45
163-807-00	336	250-023-20	38, 39, **45**	250-050-20	46	250-102-20	45
164-450-00	180, 231, 263	250-023-40	45	250-050-40	46	250-103-20	45
164-650-00	180, 231, 263	250-024-20	38, **45**	250-051-20	46	250-104-20	45

Numerical index

REF	Page	REF	Page	REF	Page	REF	Page
250-105-20	45	250-280-20	40, **50**	250-336-03	26, **27**	251-022-20	82, 83, **89**
250-106-20	45	250-281-20	40, **50**	250-350-00	29	251-022-40	89
250-107-20	45	250-282-20	40, **50**	250-800-25	38	251-023-20	82, **89**
250-111-20	47	250-283-20	40, **51**	250-800-50	42	251-023-40	89
250-112-20	47	250-284-20	40, **50**	250-800-55	41	251-024-20	82, **89**
250-113-20	47	250-285-20	40, **51**	250-800-60	40	251-024-40	89
250-114-20	38, **47**	250-286-20	40, **51**	250-800-70	22	251-025-20	89
250-115-20	47	250-287-20	40, **51**	250-801-70	24	251-025-40	89
250-116-20	38, **47**	250-288-20	40, **51**	250-803-70	26	251-026-20	89
250-117-20	47	250-289-20	40, **51**	250-900-25	39	251-026-40	89
250-121-20	38, **49**	250-290-20	40, **51**	251-001-20	82, **87**	251-027-20	82, 83, **89**
250-122-20	38, **49**	250-291-20	40, **51**	251-001-40	87	251-027-40	89
250-123-20	38, **49**	250-293-03	24, **25**	251-002-20	82, 83, **87**	251-028-20	82, **89**
250-124-20	49	250-294-03	24, **25**	251-002-40	87	251-028-40	89
250-125-20	40, **49**	250-295-03	24, **25**	251-003-20	82, 83, **87**	251-029-20	89
250-221-20	52	250-296-03	24, **25**	251-003-40	87	251-029-40	89
250-222-20	52	250-297-03	24, **25**	251-004-20	82, **87**	251-030-20	89
250-223-20	52	250-298-03	24, **25**	251-004-40	87	251-030-40	89
250-224-20	52	250-299-03	24, **25**	251-005-20	87	251-031-20	89
250-231-20	41, **52**	250-300-03	22, **23**	251-005-40	87	251-031-40	89
250-232-20	41, **52**	250-301-03	22, **23**	251-006-20	87	251-032-20	82, **89**
250-233-20	41, **52**	250-302-03	22, **23**	251-006-40	87	251-032-40	89
250-234-20	41, **52**	250-303-03	22, **23**	251-007-20	82, 83, **87**	251-033-20	89
250-235-20	41, **52**	250-304-03	22, **23**	251-007-40	87	251-033-40	89
250-236-20	41, **52**	250-305-03	22, **23**	251-008-20	82, **87**	251-034-20	89
250-237-20	41, **52**	250-306-03	22, **23**	251-008-40	87	251-034-40	89
250-238-20	41, **52**	250-307-03	22, **23**	251-009-20	87	251-035-20	82, **89**
250-239-20	41, **52**	250-308-03	22, **23**	251-009-40	87	251-035-40	89
250-240-20	41, **52**	250-309-03	22, **23**	251-010-20	87	251-036-20	89
250-241-20	41, **52**	250-310-03	22, **23**	251-010-40	87	251-036-40	89
250-242-20	41, **52**	250-311-03	22, **23**	251-011-20	87	251-041-20	82, **90**
250-245-20	41, **52**	250-312-03	22, **23**	251-011-40	87	251-041-40	90
250-251-20	42, **53**	250-313-03	22, **23**	251-012-20	82, **87**	251-042-20	82, 83, **90**
250-252-20	42, **53**	250-314-03	22, **23**	251-012-40	87	251-042-40	90
250-253-20	42, **53**	250-315-03	24, **25**	251-013-20	87	251-043-20	82, **90**
250-255-20	42, **53**	250-316-03	24, **25**	251-013-40	87	251-043-40	90
250-256-20	42, **53**	250-317-03	24, **25**	251-014-20	87	251-044-20	82, **90**
250-257-20	42, **53**	250-318-03	24, **25**	251-014-40	87	251-044-40	90
250-260-20	42, **53**	250-319-03	24, **25**	251-015-20	82, **87**	251-045-20	90
250-261-20	42, **53**	250-320-03	24, **25**	251-015-40	87	251-045-40	90
250-262-20	42, **53**	250-330-03	26, **27**	251-016-20	87	251-046-20	90
250-263-20	53	250-331-03	26, **27**	251-016-40	87	251-046-40	90
250-264-20	53	250-332-03	26, **27**	251-018-20	88	251-047-20	82, 83, **90**
250-270-02	38, 39, **54**	250-333-03	26, **27**	251-019-20	88	251-047-40	90
250-271-03	22, 28, **54**	250-334-03	26, **27**	251-021-20	82, **89**	251-048-20	82, **90**
250-272-03	24, **28**	250-335-03	26, **27**	251-021-40	89	251-048-40	90

Numerical index

REF	Page	REF	Page	REF	Page	REF	Page
251-049-20	90	251-095-03	82, **97**	251-270-02	82, 83, **97**	252-022-40	67
251-049-40	90	251-101-20	89	251-550-20	87	252-023-20	58, 60, **67**
251-050-20	90	251-102-20	89	251-550-40	87	252-023-40	67
251-050-40	90	251-103-20	89	251-551-03	82, 83, **87**	252-024-20	58, 60, **67**
251-051-20	90	251-104-20	89	251-551-06	87	252-024-40	67
251-051-40	90	251-105-20	89	251-800-15	82	252-025-20	67
251-052-20	82, **90**	251-106-20	89	251-800-45	84	252-025-40	67
251-052-40	90	251-107-20	89	251-800-50	85	252-026-20	67
251-053-20	90	251-111-20	91	251-900-15	83	252-026-40	67
251-053-40	90	251-112-20	91	252-001-20	60, **66**	252-027-20	58, 60, **67**
251-054-20	90	251-113-20	91	252-001-40	66	252-027-40	67
251-054-40	90	251-114-20	82, **91**	252-002-20	60, **66**	252-028-20	58, 60, **67**
251-055-20	82, **90**	251-115-20	91	252-002-40	66	252-028-40	67
251-055-40	90	251-116-20	82, **91**	252-003-20	60, **66**	252-029-20	67
251-056-20	90	251-117-20	91	252-003-40	66	252-029-40	67
251-056-40	90	251-121-20	82, **93**	252-004-20	60, **66**	252-030-20	67
251-060-20	82, 83, **92**	251-122-20	82, **93**	252-004-40	66	252-030-40	67
251-060-40	92	251-123-20	82, **93**	252-005-20	66	252-031-20	67
251-061-20	82, 83, **92**	251-124-20	93	252-005-40	66	252-031-40	67
251-061-40	92	251-125-20	93	252-006-20	66	252-032-20	58, 60, **67**
251-062-20	92	251-221-20	84, **95**	252-006-40	66	252-032-40	67
251-062-40	92	251-222-20	84, **95**	252-007-20	60, **66**	252-033-20	67
251-065-20	82, **92**	251-223-20	84, **95**	252-007-40	66	252-033-40	67
251-065-40	92	251-224-20	84, **95**	252-008-20	60, **66**	252-034-20	67
251-066-20	82, **92**	251-231-20	84, **95**	252-008-40	66	252-034-40	67
251-066-40	92	251-232-20	84, **95**	252-009-20	66	252-035-20	58, 60, **67**
251-067-20	92	251-233-20	84, **95**	252-009-40	66	252-035-40	67
251-067-40	92	251-234-20	84, **95**	252-010-20	66	252-036-20	67
251-070-20	82, 83, **92**	251-235-20	84, **95**	252-010-40	66	252-036-40	67
251-070-40	92	251-236-20	84, **95**	252-011-20	66	252-041-20	58, 60, **68**
251-071-20	82, 83, **92**	251-237-20	84, **95**	252-011-40	66	252-041-40	68
251-071-40	92	251-238-20	84, **95**	252-012-20	60, **66**	252-042-20	58, 60, **68**
251-072-20	92	251-239-20	84, **95**	252-012-40	66	252-042-40	68
251-072-40	92	251-240-20	84, **95**	252-013-20	66	252-043-20	58, 60, **68**
251-075-20	82, 83, **93**	251-241-20	84, **95**	252-013-40	66	252-043-40	68
251-075-40	93	251-242-20	84, **95**	252-014-20	66	252-044-20	58, 60, **68**
251-081-20	94	251-245-20	84, **95**	252-014-40	66	252-044-40	68
251-082-20	94	251-251-20	85, **96**	252-015-20	60, **66**	252-045-20	68
251-083-20	94	251-252-20	85, **96**	252-015-40	66	252-045-40	68
251-084-20	94	251-253-20	85, **96**	252-016-20	66	252-046-20	68
251-085-20	94	251-255-20	85, **96**	252-016-40	66	252-046-40	68
251-086-20	94	251-256-20	85, **96**	252-018-20	66	252-047-20	58, 60, **68**
251-090-20	94	251-257-20	85, **96**	252-019-20	66	252-047-40	68
251-091-20	94	251-260-20	85, **96**	252-021-20	58, 60, **67**	252-048-20	58, 60, **68**
251-092-20	94	251-261-20	85, **96**	252-021-40	67	252-048-40	68
251-093-20	94	251-262-20	85, **96**	252-022-20	58, 60, **67**	252-049-20	68

Numerical index

REF	Page	REF	Page	REF	Page	REF	Page
252-049-40	68	252-101-20	67	252-263-20	77	253-023-20	102, **104**
252-050-20	68	252-102-20	67	252-264-20	77	253-024-20	102, **104**
252-050-40	68	252-103-20	67	252-270-02	58, 60, **78**	253-025-20	102, **104**
252-051-20	68	252-104-20	67	252-280-20	61, **72**	253-026-20	104
252-051-40	68	252-105-20	67	252-281-20	61, **72**	253-027-20	102, **104**
252-052-20	58, 60, **68**	252-106-20	67	252-282-20	61, **72**	253-028-20	104
252-052-40	68	252-107-20	67	252-283-20	61, **73**	253-029-20	102, **104**
252-053-20	68	252-111-20	69	252-284-20	61, **72**	253-030-20	104
252-053-40	68	252-112-20	69	252-285-20	61, **73**	253-041-20	102, **105**
252-054-20	68	252-113-20	69	252-286-20	61, **73**	253-042-20	102, **105**
252-054-40	68	252-114-20	58, 60, **69**	252-287-20	61, **73**	253-043-20	102, **105**
252-055-20	58, 60, **68**	252-115-20	69	252-288-20	61, **73**	253-044-20	102, **105**
252-055-40	68	252-116-20	58, 60, **69**	252-289-20	61, **73**	253-045-20	105
252-056-20	68	252-117-20	69	252-290-20	61, **73**	253-046-20	105
252-056-40	68	252-121-20	58, 60, **71**	252-291-20	61, **73**	253-047-20	102, **105**
252-060-20	58, 60, **70**	252-122-20	58, 60, **71**	252-500-03	65	253-048-20	102, **105**
252-060-40	70	252-123-20	58, 60, **71**	252-501-03	58, **65**	253-049-20	105
252-061-20	58, 60, **70**	252-124-20	71	252-502-03	58, 59, **65**	253-050-20	105
252-061-40	70	252-125-20	61, **71**	252-503-03	58, 59, **65**	253-051-20	105
252-062-20	70	252-221-20	74	252-504-03	58, **65**	253-052-20	102, **105**
252-062-40	70	252-222-20	74	252-505-03	65	253-053-20	105
252-065-20	58, 60, **70**	252-223-20	74	252-506-03	65	253-054-20	105
252-065-40	70	252-224-20	74	252-507-03	58, 59, **65**	253-055-20	102, **105**
252-066-20	58, 60, **70**	252-231-20	62, **75**	252-508-03	58, **65**	253-056-20	105
252-066-40	70	252-232-20	62, **75**	252-509-03	65	253-060-20	102, **107**
252-067-20	70	252-233-20	62, **75**	252-510-03	65	253-061-20	102, **107**
252-067-40	70	252-234-20	62, **75**	252-511-03	65	253-062-20	107
252-070-20	58, 60, **70**	252-235-20	62, **75**	252-512-03	58, **65**	253-065-20	102, **107**
252-070-40	70	252-236-20	62, **75**	252-513-03	65	253-066-20	102, **107**
252-071-20	58, 60, **70**	252-237-20	62, **75**	252-514-03	65	253-067-20	107
252-071-40	70	252-238-20	62, **75**	252-515-03	58, **65**	253-075-20	102, **107**
252-072-20	70	252-239-20	62, **75**	252-516-03	65	253-081-20	108
252-072-40	70	252-240-20	62, **75**	252-520-03	65	253-082-20	108
252-075-20	58, 60, **71**	252-241-20	62, **75**	252-521-03	65	253-083-20	108
252-075-40	71	252-242-20	62, **75**	252-541-03	62, **74**	253-084-20	108
252-081-20	72	252-245-20	62, **75**	252-542-03	62, **74**	253-085-20	108
252-082-20	72	252-250-03	63, **76**	252-543-03	62, **74**	253-086-20	108
252-083-20	72	252-251-20	63, **76**	252-544-03	62, **74**	253-091-20	108
252-084-20	72	252-252-20	63, **76**	252-800-10	58	253-092-20	108
252-085-20	72	252-253-20	63, **76**	252-800-15	60	253-095-03	102, **110**
252-086-20	72	252-255-20	63, **76**	252-800-45	62	253-111-20	106
252-090-20	72	252-256-20	63, **76**	252-800-50	63	253-112-20	106
252-091-20	72	252-257-20	63, **76**	252-800-60	61	253-113-20	106
252-092-20	72	252-260-20	63, **76**	252-900-15	59	253-115-20	106
252-093-20	72	252-261-20	63, **76**	253-021-20	102, **104**	253-116-20	102, **106**
252-095-03	58, 60, **78**	252-262-20	63, **76**	253-022-20	102, **104**	253-117-20	106

Numerical index

REF	Page
253-121-20	108
253-123-20	108
253-125-20	108
253-231-20	109
253-232-20	109
253-245-20	109
253-270-02	102, **110**
253-501-03	102, **103**
253-502-03	102, **103**
253-503-03	102, **103**
253-504-03	102, **103**
253-505-03	103
253-506-03	103
253-507-03	102, **103**
253-508-03	102, **103**
253-509-03	103
253-510-03	103
253-511-03	103
253-512-03	102, **103**
253-513-03	103
253-514-03	103
253-515-03	102, **103**
253-516-03	103
253-520-03	103
253-521-03	103
253-541-03	109
253-550-03	102, **103**
253-601-02	111
253-604-02	111
253-607-02	111
253-609-02	111
253-612-02	111
253-613-02	111
253-620-02	111
253-621-02	111
253-622-02	111
253-800-10	102
254-000-02	39, **56**, **80**, 83, **99**, **112**
254-000-10	38, **56**, **80**, 82, **99**, 102, **112**
254-000-50	56, 80, 99, 112
254-001-02	59, **80**
254-001-10	58, 60, **80**
254-001-50	80
254-002-02	56, 80, 99, 112
254-002-10	56, 80, 99, 112
254-002-50	56, 80, 99, 112
254-004-02	56, 81, 99, 112
254-004-10	56, 81, 99, 112
254-006-02	58, 59, **80**, 82, 83, **99**, 102, **112**
254-006-10	80, 99, 112
254-008-02	56, 80, 99
254-008-10	**56**, 60, **80**, 82, **99**
254-010-02	38, 39, 43, **56**, 58, 60, 64, **81**, 83, 86, **99**, 102, **112**
254-010-10	56, 81, 99, 112
254-012-01	22, 24, 26, **28**
254-014-01	22, 24, 26, **28**
254-100-00	38, 58, 60, 82, 102, **114**
254-101-00	114
254-102-00	41, 62, 84, **114**
254-103-00	42, 63, 85, **115**
254-104-00	115
254-105-00	43, 64, 86, **115**
254-106-00	40, 61, **114**
254-201-02	24, 43, **55**, 64, **79**, 86, **98**
254-202-02	43, **55**, 64, **79**, 86, **98**
254-203-02	43, **55**, 64, **79**, 86, **98**
254-204-02	43, **55**, 64, **79**, 86, **98**
254-205-02	43, **55**, 64, **79**, 86, **98**
254-206-02	43, **55**, 64, **79**, 86, **98**
254-207-02	43, **55**, 64, **79**, 86, **98**
254-208-02	43, **55**, 64, **79**, 86, **98**
254-209-02	43, **55**, 64, **79**, 86, **98**
254-210-02	43, **55**, 64, **79**, 86, **98**
254-211-02	43, **55**, 64, **79**, 86, **98**
254-212-02	24, 43, **55**, 64, **79**, 86, **98**
254-213-02	43, **55**, 64, **79**, 86, **98**
254-220-02	43, **55**, 64, **79**, 86, **98**
254-221-02	43, **55**, 64, **79**, 86, **98**
254-222-02	43, **55**, 64, **79**, 86, **98**
254-300-02	57, 81, 100, 113
254-301-02	57, 81, 100, 113
254-302-02	57, 81, 100, 113
254-303-02	57, 81, 100, 113
254-304-02	57, 81, 100, 113
254-800-30	43, 64, 86
255-001-05	32
255-002-05	32
255-003-05	32
255-004-05	32
255-012-05	32
255-013-05	32
255-022-05	32
255-023-05	32
255-033-05	32
255-035-05	32
255-041-05	32
255-042-05	32
255-102-05	33
255-111-05	33
255-112-05	33
255-121-05	33
255-122-05	33
255-123-05	33
255-131-05	33
255-132-05	33
255-133-05	33
255-141-05	33
255-142-05	33
260-300-02	256, 346
260-300-03	116
260-300-13	116
260-300-20	115
260-315-00	116
260-317-00	116
260-324-01	116
260-365-01	34
260-365-01	173
260-365-05	34
260-365-05	173
260-365-13	34
260-365-13	173
260-803-01	249
260-803-02	249
260-803-03	249
260-803-04	249
260-804-01	249
260-804-02	249
260-905-20	22, 24, **28**
260-906-20	22, 24, 26, **28**
260-907-10	116
272-094-14	130
272-094-18	130
272-094-22	130
272-094-25	130
272-098-14	131
272-098-18	131
272-098-22	131
272-098-25	131
272-111-14	129
272-111-18	129
272-111-22	129
272-111-25	129
272-112-14	129
272-112-18	129
272-112-22	129
272-112-25	129
272-113-14	129
272-113-18	129
272-113-22	129
272-113-25	129
272-114-14	129
272-114-18	129
272-114-22	129
272-114-25	129
272-115-14	129
272-115-18	129
272-115-22	129
272-115-25	129
272-121-14	129
272-121-18	129
272-121-22	129
272-121-25	129
272-122-14	129
272-122-18	129
272-122-22	129
272-122-25	129
272-123-14	129
272-123-18	129
272-123-22	129
272-123-25	129
272-124-14	129
272-124-18	129
272-124-22	129
272-124-25	129
272-131-14	129
272-131-18	129

Numerical index

REF	Page	REF	Page	REF	Page	REF	Page
272-131-22	129	272-221-14	128	272-400-14	126	317-110-00	266, 281
272-131-25	129	272-221-18	128	272-400-18	126	317-210-00	266, 281
272-132-14	129	272-221-22	128	272-400-22	126	318-004-00	266, 281
272-132-18	129	272-221-25	128	272-411-14	126	318-104-00	266, 281
272-132-22	129	272-222-14	128	272-411-18	126	319-402-00	180
272-132-25	129	272-222-18	128	272-411-22	126	319-405-00	180
272-133-14	129	272-222-22	128	272-412-14	126	324-610-00	267
272-133-18	129	272-222-25	128	272-412-18	126	324-620-00	267
272-133-22	129	272-232-14	128	272-412-22	126	324-725-00	267
272-133-25	129	272-232-18	128	272-413-14	126	324-730-00	267
272-134-14	129	272-232-22	128	272-413-18	126	324-740-00	267
272-134-18	129	272-232-25	128	272-413-22	126	324-750-00	267
272-134-22	129	272-233-14	128	272-414-14	126	324-760-00	267
272-134-25	129	272-233-18	128	272-414-18	126	380-070-00	207, 363
272-142-14	129	272-233-22	128	272-414-22	126	380-600-50	164, 206, 364
272-142-18	129	272-233-25	128	272-415-14	126	380-604-50	164, 206, 364
272-142-22	129	272-300-14	126	272-415-18	126	380-604-60	164, 206, 364
272-142-25	129	272-300-18	126	272-415-22	126	380-704-50	164, 206, 364
272-143-14	129	272-300-22	126	272-421-14	126	430-120-30	277
272-143-18	129	272-311-14	127	272-421-18	126	430-120-40	277
272-143-22	129	272-311-18	127	272-421-22	126	513-070-00	272
272-143-25	129	272-311-22	127	272-422-14	126	513-080-00	272
272-144-14	129	272-312-14	127	272-422-18	126	513-090-00	272
272-144-18	129	272-312-18	127	272-422-22	126	513-100-00	272
272-144-22	129	272-312-22	127	272-432-14	126	513-120-00	272
272-144-25	129	272-313-14	127	272-432-18	126	513-150-00	272
272-211-14	128	272-313-18	127	272-432-22	126	514-070-00	272
272-211-18	128	272-313-22	127	275-010-00	172	514-080-00	272
272-211-22	128	272-314-14	127	275-015-00	172	514-090-00	272
272-211-25	128	272-314-18	127	291-000-00	116	514-100-00	272
272-212-14	128	272-314-22	127	299-150-40	56, 80	520-062-10	274
272-212-18	128	272-315-14	127	299-150-80	56, 80	520-070-10	274
272-212-22	128	272-315-18	127	308-513-00	273	520-072-10	274
272-212-25	128	272-315-22	127	308-515-00	273	520-080-10	274
272-213-14	128	272-321-14	127	308-518-00	273	520-082-10	274
272-213-18	128	272-321-18	127	308-520-00	273	520-090-10	274
272-213-22	128	272-321-22	127	308-713-00	274	520-092-10	274
272-213-25	128	272-322-14	127	308-715-00	274	520-120-10	274
272-214-14	128	272-322-18	127	308-718-00	274	521-040-00	273
272-214-18	128	272-322-22	127	311-306-30	280	523-050-00	273
272-214-22	128	272-332-14	127	311-307-30	280	523-060-00	273
272-214-25	128	272-332-18	127	311-308-30	280	523-070-00	273
272-215-14	128	272-332-22	127	312-106-00	280	523-080-00	273
272-215-18	128	272-333-14	127	312-107-00	280	523-090-00	273
272-215-22	128	272-333-18	127	316-110-00	266, 281	523-100-00	273
272-215-25	128	272-333-22	127	316-210-00	266, 281	523-110-00	273

Numerical index

REF	Page	REF	Page	REF	Page	REF	Page
523-120-00	273	535-005-00	272	600-501-60	290	602-815-32	304
523-150-00	273	535-009-00	272	600-502-10	289	602-819-10	304
524-060-00	273	600-000-00	298	600-502-30	289	602-819-12	304
524-070-00	273	600-001-00	298	600-502-60	289	602-819-30	304
524-080-00	273	600-001-30	298	600-503-10	289	602-819-32	304
524-090-00	273	600-002-00	298	600-503-30	289	602-830-10	307
524-100-00	273	600-002-30	298	600-503-60	289	602-830-12	307
524-110-00	273	600-003-00	298	600-600-30	292	602-830-30	307
525-040-00	272	600-004-00	298	600-601-30	291	602-830-32	307
527-004-00	272	600-005-00	298	600-602-30	291	602-831-10	307
527-005-00	272	600-120-00	297	600-610-00	299	602-831-30	307
527-006-00	272	600-121-10	297	600-610-30	299	602-832-10	307
527-070-00	272	600-122-00	297	602-604-10	295	602-832-12	307
527-080-00	272	600-123-00	297	602-605-10	294	602-832-30	307
527-090-00	272	600-131-10	292	602-606-10	294	602-832-32	307
527-100-00	272	600-132-10	293	602-800-10	309	602-833-10	307
528-000-00	276	600-133-10	293	602-800-12	309	602-833-30	307
528-000-01	276	600-300-10	286	602-800-30	309	602-834-10	308
528-000-02	276	600-300-30	286	602-800-32	309	602-834-12	308
528-001-00	276	600-300-60	286	602-801-10	309	602-834-30	308
528-001-01	276	600-301-10	286	602-801-30	309	602-834-32	308
528-039-50	165, 357	600-301-30	286	602-806-10	305	602-835-10	308
528-040-50	165, 357	600-301-60	286	602-806-12	305	602-835-30	308
528-041-00	166, 306, 357	600-302-10	287	602-806-30	305	602-836-10	302
528-042-00	166, 306, 357	600-302-30	287	602-806-32	305	602-836-12	302
528-043-00	166, 358	600-302-60	287	602-808-10	309	602-836-30	302
528-050-00	166, 358	600-303-10	287	602-808-12	309	602-836-32	302
528-070-00	275	600-303-30	287	602-808-30	309	602-837-10	303
528-080-00	275	600-303-60	287	602-808-32	309	602-837-12	303
528-090-00	275	600-310-30	288	602-809-10	305	602-837-30	303
528-100-00	275	600-320-10	286	602-809-12	305	602-837-32	303
528-110-00	275	600-320-30	286	602-809-30	305	602-838-10	302
528-120-00	275	600-320-60	286	602-809-32	305	602-838-12	302
528-130-00	275	600-321-10	286	602-810-10	306	602-838-30	302
528-150-00	275	600-321-30	286	602-810-12	306	602-838-32	302
528-155-00	275	600-321-60	286	602-810-30	306	602-839-10	303
528-158-00	275	600-322-10	287	602-810-32	306	602-839-12	303
528-159-00	275	600-322-30	287	602-811-10	310	602-839-30	303
528-200-10	165, 207, 356	600-322-60	287	602-811-12	310	602-839-32	303
528-210-10	165, 207, 356	600-400-10	288	602-811-30	310	602-840-10	309
528-215-10	165, 207, 356	600-400-30	288	602-811-32	310	602-840-30	309
528-220-00	147, 165, 357	600-500-10	290	602-812-10	310	602-845-10	310
529-000-00	277	600-500-30	290	602-812-30	310	602-845-12	310
530-000-00	276	600-500-60	290	602-815-10	304	602-845-30	310
535-002-00	272	600-501-10	290	602-815-12	304	602-845-32	310
535-003-00	272	600-501-30	290	602-815-30	304	602-846-10	311

Numerical index

REF	Page	REF	Page	REF	Page	REF	Page
602-846-12	311	621-406-01	278				
602-846-30	311	621-407-01	278				
602-846-32	311	621-408-01	278				
602-847-10	311	621-409-01	278				
602-847-12	311	621-500-01	278				
602-847-30	311	681-100-00	164, 207, 363				
602-847-32	311	728-500-00	277				
603-000-00	299	728-501-00	277				
606-600-00	296	728-502-00	277				
606-600-30	296	728-503-00	277				
606-701-00	296	728-504-00	277				
606-701-30	296	728-505-00	277				
607-202-00	280	766-000-00	278				
607-202-30	280	831-601-00	267				
607-204-00	280	831-603-00	267				
607-204-30	280	831-606-00	267				
609-004-00	300	831-701-00	267				
609-006-00	300	831-703-00	267				
609-008-00	300	903-920-10	383				
609-100-00	300	903-920-20	383				
609-200-30	300	903-920-30	383				
609-300-01	300, **301**	903-920-40	383				
609-400-00	300, **301**	989-474-20	380				
609-500-00	300	989-590-20	341				
611-115-00	312						
611-115-30	312						
611-115-60	312						
611-116-00	312						
611-120-01	312						
611-122-00	312						
611-130-00	312						
611-131-00	312						
611-132-00	312						
612-000-00	313						
620-107-00	279						
620-108-00	279						
620-109-00	279						
620-110-00	279						
620-207-02	279						
620-208-02	279						
620-209-02	279						
620-708-00	279						
621-200-01	279						
621-300-01	278						
621-404-01	278						
621-405-01	278						

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