



Edition 26

PROSTHETICS CATALOG

The complete program.

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DENTAURUM
1886

Edition 26

Prosthetics Catalog

The complete program

Digital dental prosthetics

Ceramics

Crowns and bridges

Implantology

Partial denture

Rotating tools

Dentures

Wires | Clasps

Expansion screws

Orthodontic acrylics

Pliers | Instruments

Equipment

Knowledge

Seminars, webinars & events

Service



Dear Customer,

In our current catalog, you will find the entire range of Dentaureum's products 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. Our digital products round off this portfolio, amongst them the ceraMotion® CADback software. This allows ceramists to quickly and easily design an individual framework for the micro-layering technique. There are also high-quality intra-oral and laboratory scanners, along with the corresponding software products.

Proven materials are also included in the new Prosthetics catalog such as our high-quality remanium® and rematitan® alloys. These can be used diversely and efficiently by using milling and laser melting technologies as well as 3D metal printing.

The ability to adapt and an open mind for change and innovation are manifested in the long success of Dentaureum – since 1886. "Engineered and made in Germany", Dentaureum's company headquarters in Ispringen in the northern Black Forest produces over 8,500 branded products that set global standards in the orthodontics, dental prosthetics, implantology and ceramics markets. As a customer of Dentaureum, you benefit at every level from competent consultation: pragmatic and individual. Our knowledge is at the heart of the infrastructure which is tailored to your needs. Intensive cooperation with universities, orthodontists, implantologists, dentists and dental technicians is an integral part of our research and development work and a source of inspiration for our innovations – this is reflected in the high product quality.

It would be a pleasure to convince you of our passion for quality and innovation.

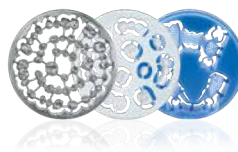
Mark Stephen Pace
MANAGEMENT BOARD Claudia Stöhrle
Ralph Dittes DENTAURUM



Orthodontics



Implantology



Prosthetics



Ceramics

Photo: © Christian Fergat



Dental technologies that set standards

Dentaurohm develops, produces and sells dental products and services worldwide. Dentaurohm has played an active role in the dental sector for more than 138 years as an owner-managed family company with its headquarters in Ispringen (near Pforzheim, northern Black Forest), Germany.

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



www.dentaurohm.com/360



www.dentaurohm.com



High-tech in-house

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

A further result of these efforts: a comprehensive product portfolio which is one of Dentaureum's strengths. No other dental company has such an extensive range of products offering a total of more than 8,500 articles.





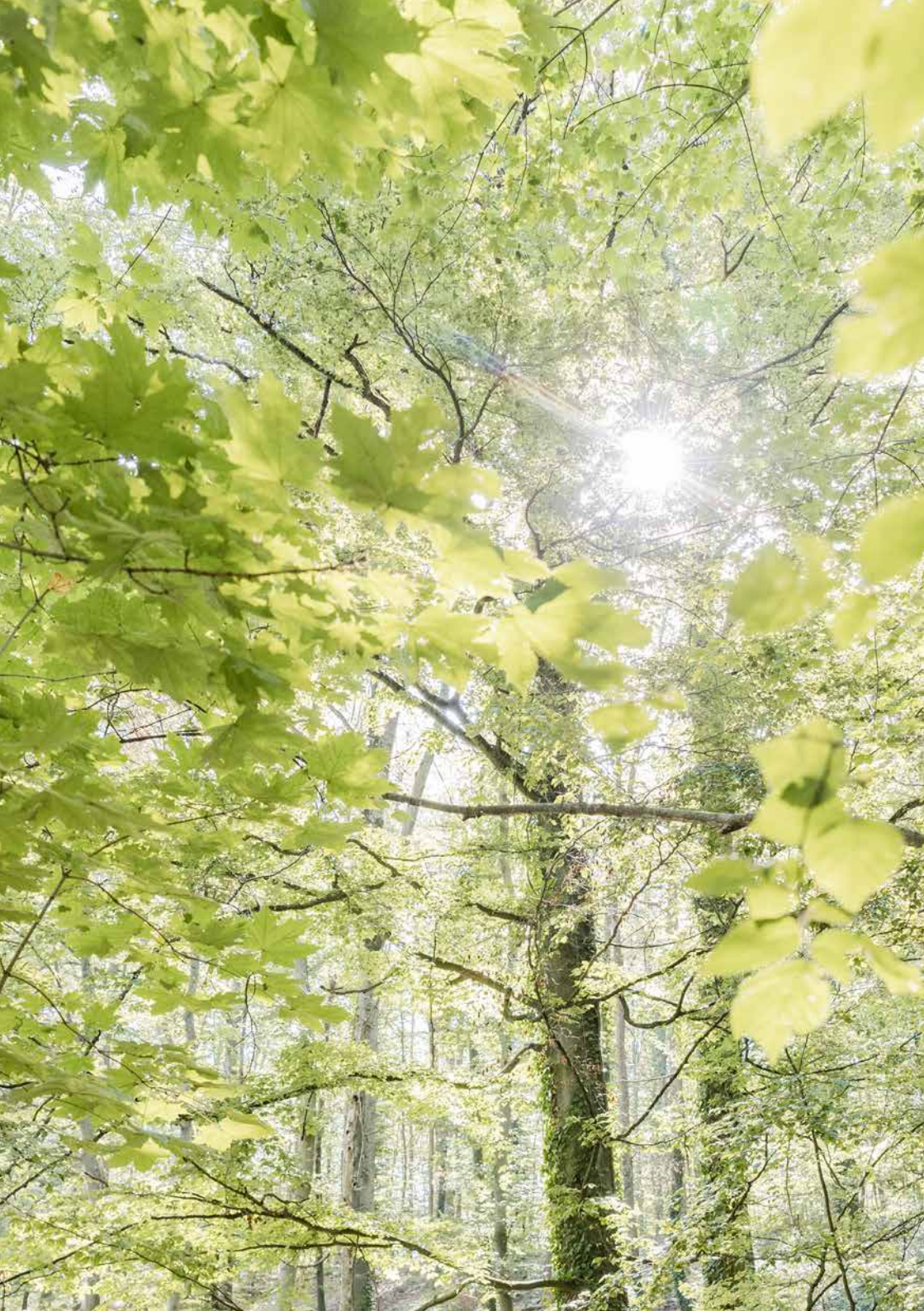
Committed to sustainability – out of conviction

Dentaurum was one of the first companies to anchor sustainability firmly into its corporate philosophy by its own conviction in 1989. Since 1994, the company has continually been DIN EN ISO 14001 and EMAS-certified. We support select social and sustainable projects since it would be shortsighted to aim for economic success without taking the environment into consideration.

Some 15000 m² of Dentaurum's company grounds are covered by a large wooded area which has been left untouched during building extensions over the past few years.

Our buildings were each built to conform with the highest ecological standards valid at the time of construction, and a large part of the roofs is covered with greenery. Where light is needed, LEDs with intelligent control systems with dimmers, motion detectors and timers are installed. Primary energy consumption is reduced by utilizing waste heat and the latest control technology. We value the concept of the water cycle and recycle service and rain water.





One login – numerous options



Well positioned digitally and at your service 24 hours a day.

The choice is yours – shop around the clock in our online shops, update your knowledge with webinars, use the consultation service or data downloads for treatment planning.

And best of all: by registering for the Online Shop, you also gain access to our other digital offers. From the digital data set for treatment planning, access to our digital ordering platform for aligners, retainers and model printing. All possible with just one login. Simply make use of the numerous user-friendly Dentaurem digital services.

Dentaurum Online Shop

Order easily online



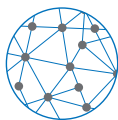
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Your advantages:

- Comprehensive product information
- Automatic check of product availability
- Individual shopping lists for your frequently ordered products
- Display of your personal conditions and prices
- Safe ordering with SSL encryption
- Specification of your order delivery date
- Up-to-date information on our product portfolio and respective CE marking

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DENTAURUM
DIGITAL

Innovative order platform for patient-specific products and services



digital.dentaurum.de

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

Products available:

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

Your advantages:

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

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



Your direct contact

Fast und uncomplicated:
Use our chat feature on dentaureum.com



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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	Digital dental prosthetics	20–43
	CAD/CAM materials	30–40
	Software	41
	Powder for laser melting	42–43
	Ceramics	44–147
	Software	48–49
	ceraMotion® CADback	48
	Ceramic in paste form	50–57
	ceraMotion® One Touch	50–51
	ceraMotion® One Touch No Limits	52–53
	ceraMotion® One Touch Pink	54–55
	ceraMotion® One Touch accessories	56
	Zirconium oxide blanks	58–63
	ceraMotion® Z	58–63
	Press ceramic	64–67
	ceraMotion® LiSi – press ceramic	64–65
	ceraMotion® – press ceramic, accessories	66
	Veneering ceramic	68–147
	ceraMotion® Zr – zirconium oxide ceramic	68–87
	ceraMotion® Me – metal ceramic	88–111
	ceraMotion® Ti – titanium ceramic	112–130
	ceraMotion® Lf – low-fusing ceramic	132–143
	ceraMotion® – ceramics, accessories	144–146
	Crowns and bridges	148–191
	CoCr alloys	164–168
	NiCr alloy	169–170
	Titanium	171–172
	Solders and welding wires	173–176
	Investment materials	177–184
	Waxes	185–187
	Investment systems	188
	Modelling accessories	189
	Accessories	190
	Implantology	
	tioLogic® TWINFIT – implant system	192–197
	Partial dentures	198–241
	Alloys	210–213
	Titanium	214–215
	Solders and welding wires	216–217
	Investment materials	218–224
	Duplicating materials	225–228
	Duplicating materials, accessories	229–231
	Waxes	232–237
	Accessories	238–240

Rotating tools	242–267
Separating and grinding discs	246–248
Grinding points	249–250
Burs and cutters	251–254
Diamond bur	255–259
Mandrel	260
Polishing tools and accessories	261–266
Dentures	268–275
Dentures and accessories	272–275
Wires Clasps	276–289
Wires	280–283
Retainer	284–285
Clasps	286–289
Expansion screws	290–321
Standard expansion screws	294–296
Special expansion screws	297–309
Variety expansion screws	310–313
RPE screws	314–319
Accessories	320–321
Orthodontic acrylics	322–345
Orthocryl® LC	330–331
Orthocryl® / Assortments	332
Orthocryl® / Single packs	333–334
Disco glitter	335
Decals	336–339
Accessories	340–343
Appliance containers and accessories	344–345
Pliers Instruments	346–355
Premium-Line pliers	350–353
Pliers / Instruments	354
Accessories	355
Equipment	356–381
Welding units and accessories	362–371
Casting unit and accessories	372–373
Accessories for surveying equipment	374–375
Accessories for electric wax knife	376
Model trimmer and accessories	377
Pressure vessel and suction unit	378
Blasting abrasive	379
Miscellaneous	380

Contents

Knowledge	382–393
remanium® kompendium	384–385
o-atlas II	386–387
Online media library	388–389
Download center	390–391
Social Media	392–393
Seminars, webinars & events	394–399
Seminars	396–397
Webinars	398–399
Service	400–427
Contact	15
Overview of materials and alloys	402
Conversion charts	403
Alphabetical index	404–410
Numerical index	412–422
Disclaimer / Image credits	427

CAD/CAM materials	Page	30
Software	Page	41
Powder for laser melting	Page	42





Digital dental prosthetics

A dental masterpiece in the digital era –
Precise, Efficient, Innovative

DENTAURUM
ONLINE SHOP
shop.dentaurum.com





The digital art of cut-back – creative software, specifically designed for ceramists!

Fully utilize the potential of micro-layering:

- With the ceraMotion® CADback software ceramists can quickly and easily design the individual framework for the micro-layering technique according to their wishes.
- The function to import photos and the integrated color mapping even enable a fully anatomical 3D display with photorealistic tooth shading.
- Favorite workflows and techniques can be saved and can be used any number of times. This saves time and makes your work more efficient.
- The software also makes it possible to work on several teeth at the same time.

You can find information on the new software and the possibility of booking a live demo here!



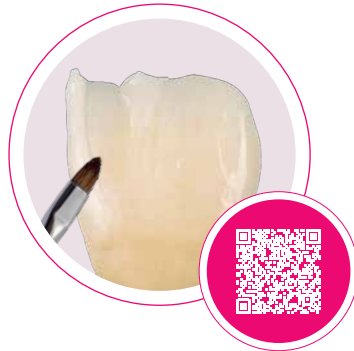
ceraMotion® CADback

Videos and tutorials:

ceraMotion® CADback Software



What is micro-layering?



What is color mapping?





The symbol for smarter zirconia

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

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



	Zirconium oxide type	Flexural strength (biaxial)	Sintering temperature	Translucency*
	ceraMotion® Z blank Hybrid ● strong ● ultra-highly translucent ● multi-shaded 	1300 → 1020 MPa	1480 °C / 2696 °F	43 % - 47 %
	ceraMotion® Z blank Cubic Multishade ● ultra-highly translucent ● multi-shaded 	600 MPa	1450 °C / 2642 °F	49 %
	ceraMotion® Z blank HT Multishade ● strong ● highly translucent ● multi-shaded 	1100 MPa	1530 °C / 2786 °F	43 %
	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

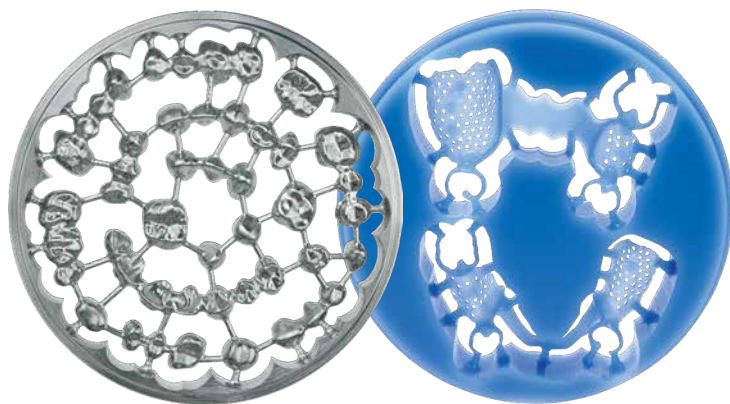
remanium®
star MD III

rematitan®
Ti2+Ti5

STAR WAX

Premium quality for every requirement

remanium® und rematitan® – two clinically-proven brands from Dentaaurum 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.



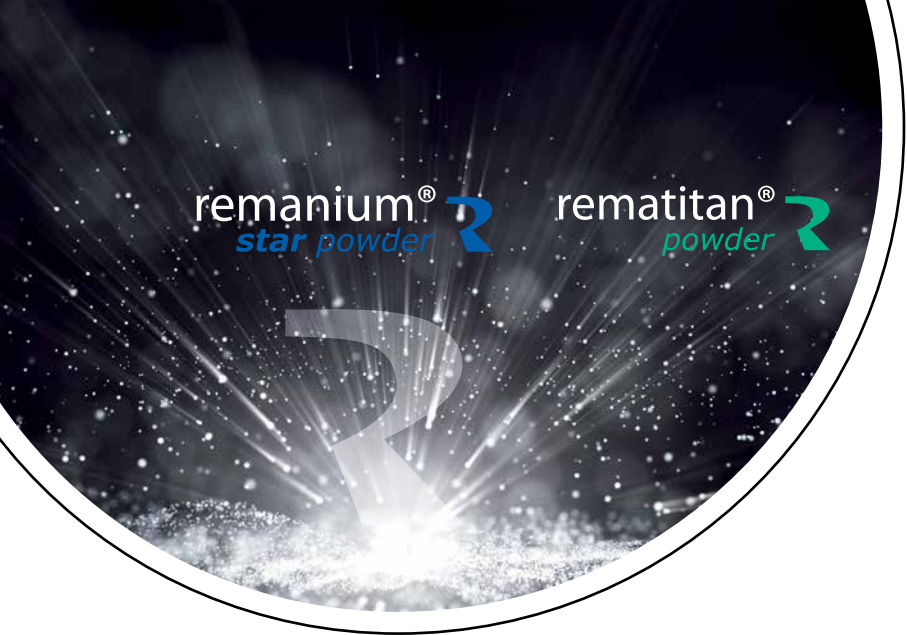
StarWax blank blue and StarWax blank grey

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

rematitan®
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.

- DIN EN ISO 22674: Dentistry – Metallic materials for fixed and removable restorations and appliances
- DIN EN ISO 9693: Dentistry – Compatibility testing for metal-ceramic and ceramic-ceramic systems
- DIN EN ISO 5832-3: Implants for surgery – Metallic materials – Part 3: Wrought titanium 6-aluminium 4-vanadium alloy (rematitan® powder)



Powder type

remanium®
star powder



remanium® star powder, 10-30 µm

- CoCr-alloy with ideal grain size
- particularly suitable for the manufacture of fixed and removable dental restorations, appliances and metal-ceramic frameworks
- new heat treatment, time and resource-saving
- good ceramic bond
- type 5 alloy

rematitan®
powder



rematitan® powder, 15-45 µm

- alloy based on titanium, thereby an alternative to CoCr alloys
- particularly suitable for the manufacture of fixed and removable dental restorations, appliances and metal-ceramic frameworks
- validated for all common laser melting machines
- type 4 alloy



CAD/CAM materials



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 natural aesthetics
- natural, smooth shade transition from cervical to incisal
- available in the 8 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

Technical data

Material	ZrO ₂ 3Y-TZP → 4Y-PSZ
Bending strength	1300 → 1020 MPA
Density	> 6.04 g/cm ³
Radioactivity	< 0.02 Bq/g
Solubility	< 20 µg/cm ²
CTE	10.5 x 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 natural 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

Technical data

Material	ZrO ₂ 5Y-PSZ
Bending strength	600 MPa
Density	> 6.04 g/cm ³
Radioactivity	< 0.02 Bq/g
Solubility	< 100 µg/cm ²
CTE	10.5 x 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.



CAD/CAM materials



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

Technical data

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

Technical data

Material	ZrO ₂ 3Y-TZP
Bending strength	1100 MPa
Density	> 6.08 g/cm ³
Radioactivity	< 0.02 Bq/g
Solubility	< 10 µg/cm ²
CTE	10.5 x 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.

CAD/CAM materials



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 indication:

- 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

Technical data

Material	ZrO ₂ 3Y-TZP
Bending strength	1200 MPa
Density	> 6.06 g/cm ³
Radioactivity	< 0.02 Bq/g
Solubility	< 10 µg/cm ²
CTE	10.5 x 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 indication:

- 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

Technical data

Material	ZrO ₂ 3Y-TZP-A
Bending strength	1200 MPa
Density	> 6.06 g/cm ³
Radioactivity	< 0.02 Bq/g
Solubility	< 10 µg/cm ²
CTE	10.5 x 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.

CAD/CAM materials



remanium® star MD II blank

ø 98.40 mm

Proven CoCr bonding alloy for CAD/CAM milling systems, produced on an industrial scale.

Advantages:

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

Indication: for all constructions manufactured using milling technique such as crowns, bridges, supra-structures, and also 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

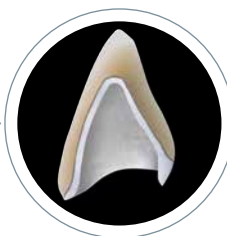
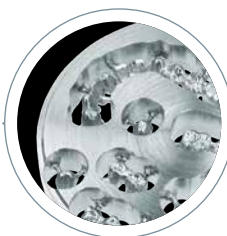
Technical data

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

Composition (percentage by mass)

Co	Cr	W	Si
60.5	28.0	9.0	1.5

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



rematitan® blank Ti2

Titanium grade 2

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

Biocompatible and gentle on the tools during milling.

Product advantages:

- high level of biocompatibility
- very good 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, and also 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

Technical data

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

Composition (percentage by mass)

Ti
99.3

Additional elements < 1 %: Fe, O



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CAD/CAM materials



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
- very good 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, and also 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

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/cm ³
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



StarWax blank blue

ø 98.4 mm

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

Product advantages:

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

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

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

Technical data

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

**StarWax blank grey**

ø 98.4 mm

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

Product advantages:

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

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

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

Technical data

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



CAD/CAM 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 needed for 20 kg investment material.

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

REF 105-728-00	1 l
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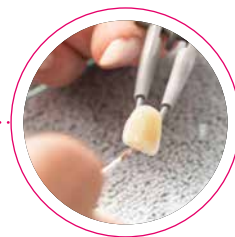
ceraMotion® CADback Software Dongle

The ceramist uses the software to design the framework for micro-layering. By precisely defining different areas for reduction (dentin, incisal, mamelon and transparency), an individual cut-back is created, forming the basis for finishing all-ceramic restorations.

REF 255-000-00

1 piece

NEW



Powder for laser melting



remanium® star powder, 10-30 µm

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

Advantages:

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

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

Technical data

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

REF 102-620-70

5 kg

Composition (percentage by mass)

Co	Cr	W	Si
60.5	28.0	9.0	1.5

Additional elements < 1 %: Mn, N, Nb



rematitan® powder, 15-45 µm

Universal titanium-based dental alloy for 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, 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/cm ³
CTE 25 °C - 500 °C / 77 °F - 932 °F	10.1 x 10 ⁻⁶ K ⁻¹
Solidus temperature	1605 °C / 2921 °F
Liquidus temperature	1650 °C / 3002 °F

REF 100-145-00

2.5 kg



Composition (percentage by mass)

Ti	Al	V
90.0	6.0	4.0

Additional elements < 1 %: Fe, O



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ceraMotion® CADback – software	Page	48
ceraMotion® One Touch – paste ceramic	Page	50
ceraMotion® Z – zirconium oxide blanks	Page	58
ceraMotion® LiSi – press ceramic	Page	64
ceraMotion® – press ceramic, accessories	Page	66
ceraMotion® Zr – zirconium oxide ceramic	Page	68
ceraMotion® Me – metal ceramic	Page	88
ceraMotion® Ti – titanium ceramic	Page	112
ceraMotion® Lf – low-fusing ceramic	Page	132
ceraMotion® – ceramics, accessories	Page	144





Photo: © Christian Ferran®

cera**m**otion®

Ceramic Solutions

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ceraMotion®



Ceramic solutions – made by Dentaureum

Under the successful umbrella brand ceraMotion®, Dentaureum Ceramics produces more than 1,500 products in compliance with the highest quality standards.

These include products from all areas for modern all-ceramic restorations – from the framework material to the glaze. Whatever the technology, ceraMotion® has the right answer for all methods.



Germano Rossi

Ceramic in paste form

ceraMOTION®
One Touch

ceraMOTION®
One Touch **LiNo**

ceraMOTION®
One Touch **Pink**

Glaze pastes

ceraMOTION®_{Zr} Paste Glaze

ceraMOTION®_{Zr} Paste Glaze bright



Lithium disilicate

ceraMOTION®
press invest

ceraMOTION®
LiSi

Veneering ceramic

ceraMOTION®_{Zr}

ceraMOTION®_{Me}

ceraMOTION®_{Ti}



Zirconium oxide

ceraMOTION® **Z**

Software

ceraMOTION®
CADback

Photo: © Christian Ferrari

ceraMotion® CADback software



ceraMotion® CADback Software Dongle

The ceramist uses the software to design the framework for micro-layering. By precisely defining different areas for reduction (dentin, incisal, mamelon and transparency), an individual cut-back is created, forming the basis for finishing all-ceramic restorations.

REF 255-000-00

1 piece

NEW



THE FUTURE IS NOW!



ceramotion®
CADback

THE DIGITAL ART OF CUTBACK

Fully exploit the potential of micro-layering with our new ceraMotion® CADback software.

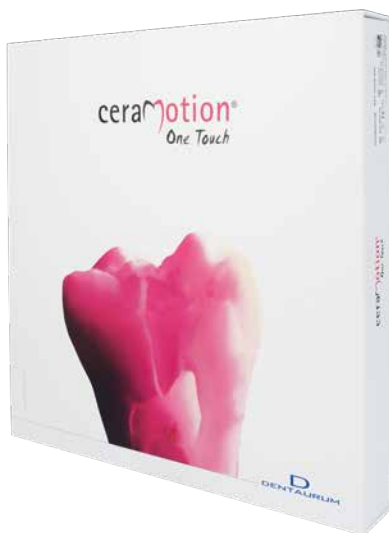
Now ceramists can easily and quickly design the individual framework for the micro-layering technique according to their wishes.

The integrated colormapping even enables a fully anatomical 3D display with photorealistic tooth coloring.



Ceramic in paste form

ceraMotion® 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

Contents:

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

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

Paste 2D P 2D

Finishing glaze pastes to achieve required V-shade A-D / for individual characterization as required.

They can be used together with the 3D pastes without intermediate firing. 2D pastes can be used to determine the degree of brightness individually: white (lighter), grey (darker).

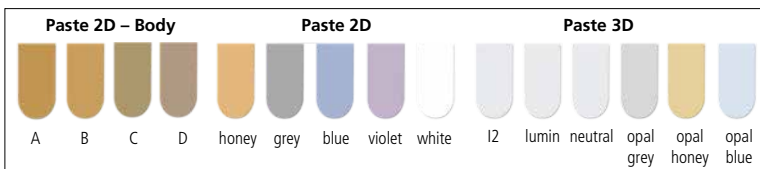
Color	REF	Quantity
A	250-306-03	3 g
B	250-307-03	3 g
C	250-308-03	3 g
D	250-309-03	3 g
white	250-310-03	3 g
grey	250-311-03	3 g
honey	250-312-03	3 g
blue	250-313-03	3 g
violet	250-314-03	3 g



Paste 3D P 3D

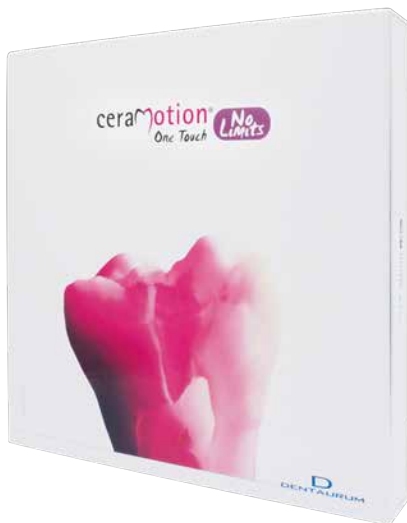
- 3D incisal paste for minimum layering and in-depth effect (3D paste I2 + lumin)
- a neutral 3D paste with increased transparency to modify the 3D incisal pastes (3D paste neutral)
- shaded 3D pastes with an opalescent effect for individualization (3D paste opal blue, opal grey, opal honey)

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



Ceramic in paste form

ceraMotion® One Touch No Limits



ceraMotion® One Touch No Limits Set

- complementary set to ceraMotion® One Touch Set
- no limits on handling, layer thickness and achieving all shades (classical and 3D-Master)
- special 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

Contents:

Designation	REF	Quantity
Paste Glaze PGL 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

Paste 2D P 2D

Advantages:

- 2D incisal pastes (I2 und I3) to create a natural in-depth effect on incisal area
- create own shades by mixing with all 2D pastes with one another and with ceraMotion® Stains Universal
- fluorescence for a natural appearance of all-ceramic restorations
- shaded 2D pastes (Body L, Body R, Body R+, Body orange) to achieve required VITA SYSTEM 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

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

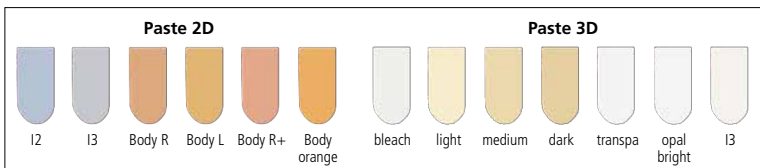
Paste 3D P 3D

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

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

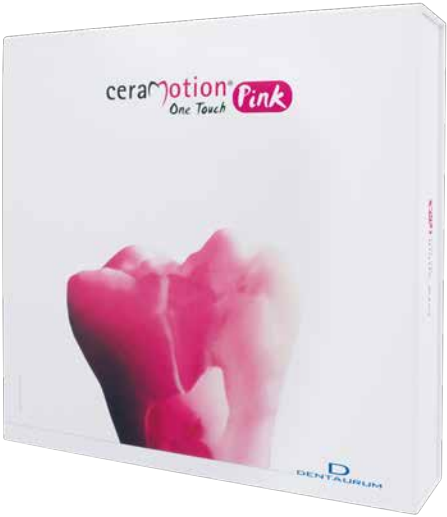


Color	REF	Quantity
bleach	250-293-03	3 g
light	250-294-03	3 g
medium	250-295-03	3 g
dark	250-296-03	3 g
transpa	250-297-03	3 g
opal bright	250-298-03	3 g
I3	250-299-03	3 g



Ceramic in paste form

ceraMotion® One Touch Pink



ceraMotion® One Touch Pink Set

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

REF 250-803-70	1 set
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Contents:

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

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

Paste 3D Gingival

- fast and easy handling thanks to ready-mixed ceramic pastes
- for the individual design of pink aesthetics
- natural aesthetics thanks to shade-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



Ceramic in paste form

ceraMotion® – Accessories



Paste Glaze PGL transpa

Glaze material in paste form

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

- naturally fluorescent for a monolithic finish
- can be applied precisely

Color	REF	Quantity
transpa	250-271-03	3 g



Paste Glaze PGL bright

Ready-to-use fluorescent paste glaze which seals the surface of the restoration and increases 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



Diluting Liquid

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

REF 254-012-01	10 ml
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Refreshing Liquid

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

REF 254-014-01	10 ml
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2D Brush

Brush for application of 2D pastes

REF 260-905-20	1 piece
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3D Brush

Brush for application of 3D pastes

REF 260-906-20	1 piece
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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® Z – 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 natural aesthetics
- natural, smooth shade transition from cervical to incisal
- available in the 8 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

Technical data

Material	ZrO ₂ 3Y-TZP → 4Y-PSZ
Bending strength	1300 → 1020 MPA
Density	> 6.04 g/cm ³
Radioactivity	< 0.02 Bq/g
Solubility	< 20 µg/cm ²
CTE	10.5 x 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 – Zirconium oxide blanks

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 natural 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

Technical data

Material	ZrO ₂ 5Y-PSZ
Bending strength	600 MPa
Density	> 6.04 g/cm ³
Radioactivity	< 0.02 Bq/g
Solubility	< 100 µg/cm ²
CTE	10.5 x 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.

DENTAURUM
ONLINE SHOP
shop.dentaurum.com



ceraMotion® Z – 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

Technical data

Material	ZrO ₂ 3Y-TZP
Bending strength	1100 MPa
Density	> 6.08 g/cm ³
Radioactivity	< 0.02 Bq/g
Solubility	< 10 µg/cm ²
CTE	10.5 x 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 – Zirconium oxide blanks

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

Technical data

Material	ZrO ₂ 3Y-TZP
Bending strength	1100 MPa
Density	> 6.08 g/cm ³
Radioactivity	< 0.02 Bq/g
Solubility	< 10 µg/cm ²
CTE	10.5 x 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 – 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 indication:

- 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

Technical data

Material	ZrO ₂ 3Y-TZP
Bending strength	1200 MPa
Density	> 6.06 g/cm ³
Radioactivity	< 0.02 Bq/g
Solubility	< 10 µg/cm ²
CTE	10.5 x 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 – Zirconium oxide blanks

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 indication:

- 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

Technical data

Material	ZrO ₂ 3Y-TZP-A
Bending strength	1200 MPa
Density	> 6.06 g/cm ³
Radioactivity	< 0.02 Bq/g
Solubility	< 10 µg/cm ²
CTE	10.5 x 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.

Press ceramics

ceraMotion® LiSi – Press ceramic



ceraMotion® LiSi Ingot 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

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



ceraMotion® LiSi Ingot 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

ceraMotion® LiSi Ingot LT

ø 13 mm

Low Translucency

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



Shade code	VITA SYSTEM 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

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



Press ceramics

ceraMotion® – Press ceramic accessories



Press plunger

ø 12 mm

Reusable aluminum 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

Veneering ceramics

ceraMotion® Zr – Zirconium oxide ceramic



8 Shade Set

Set for veneering zirconium oxide and lithium disilicate.

Contains the 8 most important A-D shades, Base Dentins, Dentins, Incisal materials and modifiers.

REF 250-800-25	1 set
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Contents:

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

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



3 Shade Set

Set for veneering zirconium oxide and lithium disilicate.

Contains the 3 most important A-B shades, Base Dentins, Dentins, Incisal and modifiers.

REF 250-900-25

1 set

Contents:

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

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



Veneering ceramics

ceraMotion® Zr – Zirconium oxide ceramic



Value Concept Set

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

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

REF 250-800-60	1 set
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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 IMI opal grey	250-125-20	20 g
Transpa Value TV transpa	250-291-20	20 g
Transpa Modifier Value TM V orange	250-288-20	20 g
Transpa Modifier Value TM V lemon	250-289-20	20 g
Transpa Modifier Value TM V salmon	250-290-20	20 g
Shade Disc Value Concept	254-106-00	1 piece



Chroma Concept Set

Set for extending the color space of standard and bleach materials.
All the hues of common shade guides (e.g. VITA SYSTEM 3D-MASTER** or Ivoclar-Chromascop**) can be achieved.
Contains 13 ceramic materials including Dentins and bleach modules.

REF 250-800-55

1 set

Contents:

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

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

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

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

Veneering ceramics

ceraMotion® Zr – Zirconium oxide ceramic



Touch Up Set

Set for facilitating finishing or corrections due to lower firing temperatures.
Contains 9 ceramic materials including Base Dentins, Dentins and Incisal materials.

REF 250-800-50	1 set
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Contents:

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

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



Stains Universal Set

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

REF 254-800-30

1 set

Contents:

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

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



Veneering ceramics

ceraMotion® Zr – Zirconium oxide ceramic



Liner L

For use on white ZrO₂ as shade base.

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

Liquid: Powder BOL Liquid

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

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

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

Base Dentin Modifier BDM

Effect material with increased opacity

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

Liquid: Modelling Liquid, Modelling Liquid +



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



Veneering ceramics

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

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 in tooth body, 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



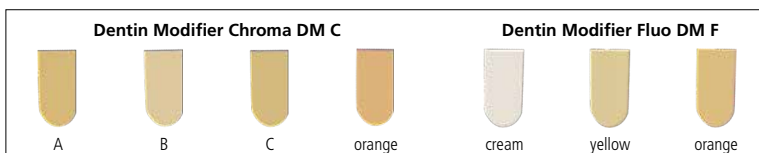
Dentin Modifier Fluo DM F

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



Veneering ceramics

ceraMotion® Zr – Zirconium oxide ceramic



Incisal I

Standard incisal material

- application in the incisal region

Liquid: Modelling Liquid, Modelling Liquid +

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



Incisal Opal IO

- for alternate layering in the incisal region
- 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

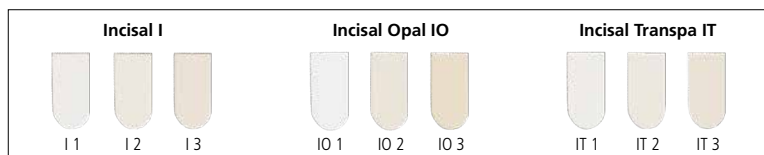


Incisal Transpa IT

- 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



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

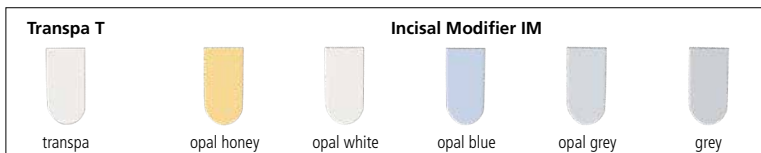


Incisal Modifier IM

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



Veneering ceramics

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



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



Incisal Value IV

Modifiers with higher opacity

- opaque incisal modifiers for very small spaces

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



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

Shoulder SM						Gingival G			
A	B	C	D	white	transpa	G 1	G 2	G 3	G 4

Value Modifier Bright dentin opal VM B

- to determine the brightness of the dentin body without changing the shade

Liquid: Modelling Liquid

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



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

* 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	250-288-20	20 g
TM V lemon	250-289-20	20 g
TM V salmon	250-290-20	20 g

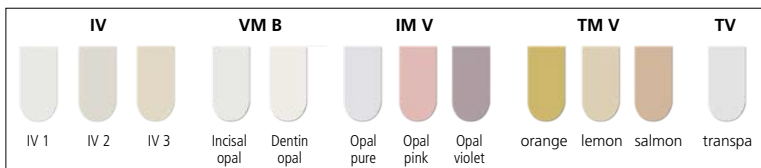


Transpa Value TV

- transparent modifier, slightly opaque

Liquid: Modelling Liquid

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



Veneering ceramics

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Chroma Concept Liner CC L

- increases the reflection from deep in the ceramic

Liquid: Powder BOL Liquid

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



Chroma Concept Dentin CC D

- pure or mixed, for extending the color space
- same opaque characteristics as dentin materials
- white and light dentin bleach materials
- all the hues of common shade guides (e.g. VITA SYSTEM 3D-MASTER** or Ivoclar-Chromascop***) can be achieved

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

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

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



Chroma Concept Incisal CC I

Light incisal bleach material

Liquid: Modelling Liquid, Modelling Liquid +

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

Chroma Concept Dentin CC D												Incisal
1 bleach	2 bleach	3	4	5	6	7	8	9	10	11	12	1 bleach

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



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



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

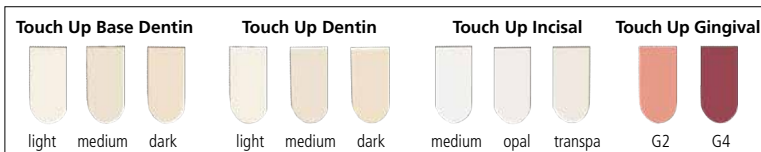


Touch Up Gingival TU G

- 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



Veneering ceramics

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



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



Paste Glaze PGL transpa

Glaze material in paste form

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

- naturally fluorescent for a monolithic finish
- can be applied precisely

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

Body Stains B ST

Stains for internal and external application

- for mixing with the glaze material
- individual color accentuation
- shade depth
- 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



Stains ST

Stains for internal and external application

- for mixing with the glaze material
- individual color accentuation
- shade depth
- 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



Veneering ceramics

ceraMotion® Zr – Zirconium oxide ceramic



Modelling Liquid

Standard liquid for mixing the ceramic materials.

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



Modelling Liquid +

Modelling liquid with slightly increased viscosity.

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



Modelling Liquid MV universal

- to increase plasticity
- to extend modeling properties

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



Powder BOL Liquid

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

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



Shoulder Liquid

For mixing the shoulder materials.

- increases the 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
- same viscosity as the modelling liquid

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



Veneering ceramics

ceraMotion® Me – Metal ceramic



8 Shade Set (Paste Opaque)

Set for veneering alloys in the conventional CTE range of
 $13.9 \cdot 10^{-6} \text{ K}^{-1}$ - $15.1 \cdot 10^{-6} \text{ K}^{-1}$ at 25°C - 500°C / 77°F - 932°F .

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

REF 252-800-10	1 set
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Contents:

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

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



3 Shade Set (Paste Opaque)

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

REF 252-900-15	1 set
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Contents:

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

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



Veneering ceramics

ceraMotion® Me – Metal ceramic



8 Shade Set (Powder Opaque)

Set for veneering alloys in the conventional CTE range of
 $13.9 \cdot 10^{-6} \text{ K}^{-1}$ - $15.1 \cdot 10^{-6} \text{ K}^{-1}$ at 25°C - 500°C / 77°F - 932°F .

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

REF 252-800-15	1 set
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Contents:

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

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



Value Concept Set

Set for veneering alloys in the conventional CTE range of
 $13.9 \cdot 10^{-6} \text{ K}^{-1} - 15.1 \cdot 10^{-6} \text{ K}^{-1}$ at $25^\circ\text{C} - 500^\circ\text{C} / 77^\circ\text{F} - 932^\circ\text{F}$.

Contains 13 modifiers for the cervical, dentinal and incisal areas.

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

REF 252-800-60

1 set

Contents:

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

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

Veneering ceramics

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Chroma Concept Set

Set for extending the color space of standard and bleach materials.
All the hues of common shade guides (e.g. VITA SYSTEM 3D-MASTER** or Ivoclar-Chromascop***) can be achieved.
Contains 17 ceramic materials including Paste Opaque, Dentins and bleach modules.

REF 252-800-45

1 set

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

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



Touch Up Set

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

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

REF 252-800-50

1 set

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



Veneering ceramics

ceraMotion® Me – Metal ceramic



Stains Universal Set

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

REF 254-800-30

1 set

Contents:

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

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

Paste Opaque PO

Opaque paste

- can be used with all non-precious and precious metal alloys in the conventional CTE range, as well as for galvano gold and press-on technique
- very high 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

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



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	3 g



Veneering ceramics

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



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

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



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



Veneering ceramics

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

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 in tooth body, 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



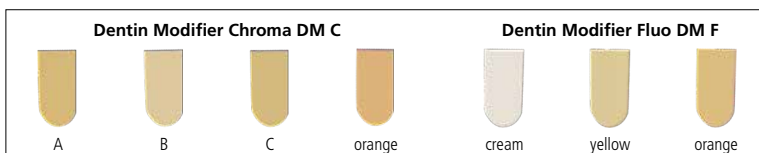
Dentin Modifier Fluo DM F

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



Veneering ceramics

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Incisal I

Standard incisal material

- application in the incisal region

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

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



Incisal Opal IO

- for alternate layering in the incisal region
- 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

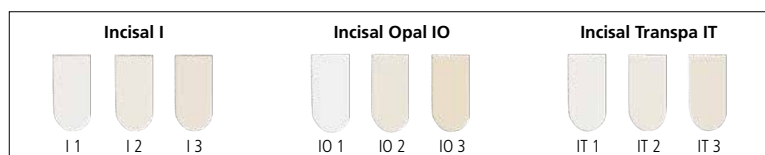


Incisal Transpa IT

- 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



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

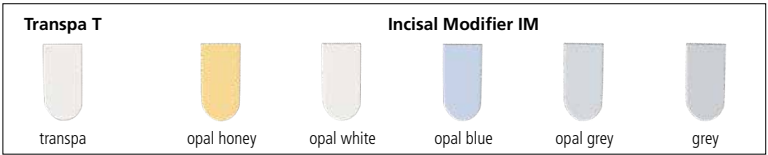


Incisal Modifier IM

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



Veneering ceramics

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



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



Incisal Value IV

Modifiers with higher opacity

- opaque incisal modifiers for very small spaces

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



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

Shoulder SM						Gingival G			
A	B	C	D	white	transpa	G 1	G 2	G 3	G 4

Value Modifier Bright dentin opal VM B

- to determine the brightness of the dentin body without changing the shade

Liquid: Modelling Liquid

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



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

* 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

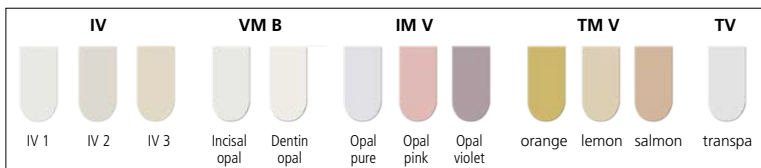


Transpa Value TV

- transparent modifier, slightly opaque

Liquid: Modelling Liquid

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



ceraMotion® Me – Metal ceramic



Chroma Concept Paste Opaque CC PO

Chroma opaque paste

- increases the reflection from deep in the ceramic
- all the hues of common shade guides (e.g. VITA SYSTEM 3D-MASTER** or Ivoclar-Chromascop***) can be achieved, 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

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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
- all the hues of common shade guides (e.g. VITA SYSTEM 3D-MASTER** or Ivoclar-Chromascop***) can be achieved, 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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Chroma Concept Dentin CC D

- pure or mixed for extending the color space
- same opaque characteristics as dentin materials
- all the hues of common shade guides (e.g. VITA SYSTEM 3D-MASTER** or Ivoclar-Chromascop**) can be achieved, 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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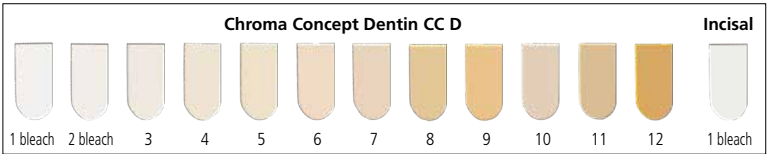


Chroma Concept Incisal CC I

Light incisal bleach material

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

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



Veneering ceramics

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



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



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



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

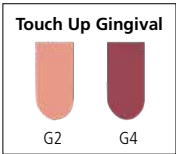
Touch Up Base Dentin			Touch Up Dentin			Touch Up Incisal		
light	medium	dark	light	medium	dark	medium	opal	transpa

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



Veneering ceramics

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



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

Body Stains B ST

Stains for internal and external application

- for mixing with the glaze material
- individual color accentuation
- shade depth
- 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



Stains ST

Stains for internal and external application

- for mixing with the glaze material
- individual color accentuation
- shade depth
- 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



Veneering ceramics

ceraMotion® Me – Metal ceramic



Me Standard Modelling Liquid

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

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



Modelling Liquid

Standard liquid for mixing the ceramic materials.

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



Modelling Liquid +

Modelling liquid with slightly increased viscosity.

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



Modelling Liquid MV universal

- to increase plasticity
- to extend modeling properties

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



Paste Liquid

For adjusting the viscosity of the pastes.

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



Powder BOL Liquid

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

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

Shoulder Liquid

For mixing the shoulder materials.

- increases the 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
- same viscosity as the modelling liquid

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



Veneering ceramics

ceraMotion® Ti – Titanium ceramic



8 Shade Set

Set for veneering titanium and titanium alloys.

Contains the 8 most important A–D shades, opaque powder,

Base Dentins, Dentins, Incisal and modifiers.

REF 251-800-15	1 set
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Contents:

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

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



3 Shade Set

Set for veneering titanium and titanium alloys.

Contains the 3 most important A–B shades, opaque powder,

Base Dentins, Dentins, Incisal and modifiers.

REF 251-900-15	1 set
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Contents:

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

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



Veneering ceramics

ceraMotion® Ti – Titanium ceramic



Chroma Concept Set

Set for extending the color space of standard and bleach materials.
All the hues of common shade guides (e.g. VITA SYSTEM 3D-MASTER** or Ivoclar-Chromascop***) can be achieved.
Contains 17 ceramic materials including Opaque, Dentsins and bleach modules.

REF 251-800-45

1 set

Contents:

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

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

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



Touch Up Set

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

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

REF 251-800-50	1 set
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Contents:

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

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

Veneering ceramics

ceraMotion® Ti – Titanium ceramic



Stains Universal Set

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

REF 254-800-30

1 set

Contents:

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

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

Bonder B

Powder bonder

- produces a very good 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



Paste Bonder PB

Paste bonder

- produces a very good 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



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



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

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



Base Dentin Modifier BDM

Effect material with increased opacity

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

Liquid: Modelling Liquid, Modelling Liquid +

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



Veneering ceramics

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

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 in tooth body, 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



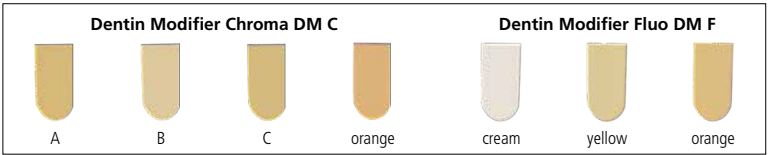
Dentin Modifier Fluo DM F

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



Veneering ceramics

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



Incisal Opal IO

- for alternate layering in the incisal region
- 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

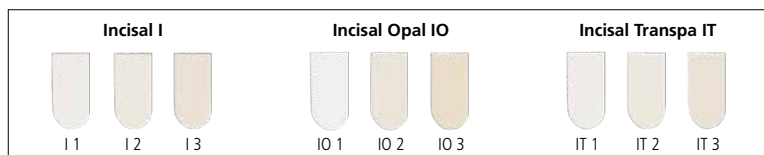


Incisal Transpa IT

- 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



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

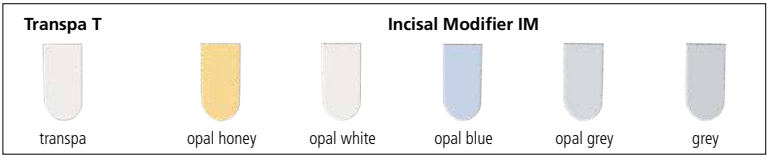


Incisal Modifier IM

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



Veneering ceramics

ceraMotion® Ti – Titanium ceramic



Shoulder SM

Shoulder material

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

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

Liquid: Shoulder Liquid

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

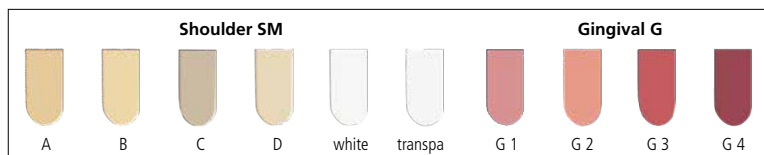


Gingival G

- 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



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
- all the hues of common shade guides (e.g. VITA SYSTEM 3D-MASTER®* or Ivoclar-Chromascop®**) can be achieved

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

* VITA SYSTEM 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 materials
- white and light dentin bleach materials
- all the hues of common shade guides (e.g. VITA SYSTEM 3D-MASTER®* or Ivoclar-Chromascop®**) can be achieved

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

* VITA SYSTEM 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.

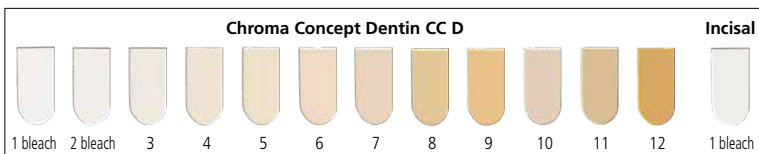


Chroma Concept Incisal CC I

Light incisal bleach material

Liquid: Modelling Liquid, Modelling Liquid +

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



Veneering ceramics

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



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



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

Touch Up Base Dentin			Touch Up Dentin			Touch Up Incisal		
light	medium	dark	light	medium	dark	medium	opal	transpa

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



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



Veneering ceramics

ceraMotion® Ti – Titanium ceramic



Body Stains B ST

Stains for internal and external application

- for mixing with the glaze material
- individual color accentuation
- shade depth
- 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



Stains ST

Stains for internal and external application

- for mixing with the glaze material
- individual color accentuation
- shade depth
- 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

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 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
- same viscosity as the modelling liquid

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

Veneering ceramics

ceraMotion® Lf – Low-fusing ceramic



8 Shade Set

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

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

REF 253-800-10

1 set

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

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

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



Veneering ceramics

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

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

Dentin D

Standard dentin

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

Liquid: Modelling Liquid, Modelling Liquid +



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

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

Veneering ceramics

ceraMotion® Lf – Low-fusing ceramic



Dentin Modifier Chroma DM C

- controls the intensity of the respective hue
 - increases the depth of shade in tooth body, 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



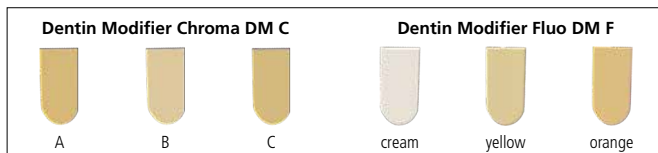
Dentin Modifier Fluo DM F

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



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



Incisal Opal IO

- for alternate layering in the incisal region
- 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

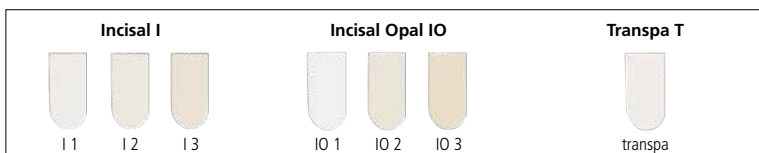


Transpa T

- 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



Veneering ceramics

ceraMotion® Lf – Low-fusing ceramic



Incisal Modifier IM

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

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



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

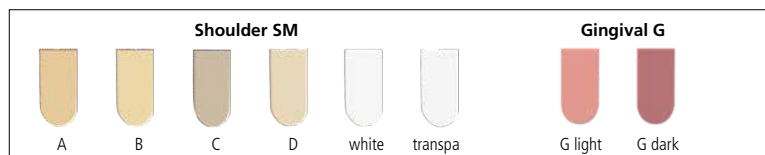


Gingival G

- 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



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



Chroma Concept Dentin CC D

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

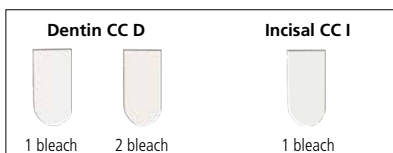


Chroma Concept Incisal CC I

Light incisal bleach material

Liquid: Modelling Liquid, Modelling Liquid +

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



Veneering ceramics

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



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

Lf Body Stains LF BST

Stains for internal and external application

- for mixing with the glaze material
- individual color accentuation
- shade depth
- 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



Lf Stains LF ST

Stains for internal and external application

- for mixing with the glaze material
- individual color accentuation
- shade depth
- 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



Veneering ceramics

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 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
- same viscosity as the modelling liquid

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



Veneering ceramics

ceraMotion® – Ceramic accessories



Shade Disc Incisal

Shade disc for incisal materials

REF 254-100-00

1 piece



Shade Disc Modifier

Shade disc for modifiers

REF 254-101-00

1 piece



Shade Disc Value Concept

Shade disc for Value Concept materials

REF 254-106-00

1 piece



Shade Disc Chroma Concept / Bleach

Shade disc for Chroma Concept materials

REF 254-102-00

1 piece

Shade Disc Touch Up

Shade disc for Touch Up materials

REF 254-103-00

1 piece



Shade Disc Shoulder / Gingival

Shade disc for shoulder and gingival materials

REF 254-104-00

1 piece



Shade Disc Stains

Shade disc for Stains

REF 254-105-00

1 piece



A–D Shade Guide

Shade guide for ceraMotion® ceramic materials A1 - D4

REF 260-300-20

1 piece



Veneering ceramics

ceraMotion® – Ceramic accessories



Opaque brush no. 6

REF 260-907-10

1 piece



Shade sample former

For easy production of bake samples

REF 260-315-00

1 piece



Firing tray with holder

REF 260-300-03

1 piece



Holders for firing tray

REF 260-300-13

6 pieces



Carbon fibre chips

To 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

CoCr alloys	Page	164
NiCr alloy	Page	169
Titanium	Page	171
Solders and welding wires	Page	173
Investment materials	Page	177
Waxes	Page	185
Investment systems	Page	188
Modelling accessories	Page	189
Accessories	Page	190





Crowns and bridges

A wide spectrum for high-quality dental restorations

DENTAURUM
ONLINE SHOP
shop.dentaurum.com



90 years* remanium® from analog to digital

A success story since 1935



Dentaurum's product range has evolved in the long history of the company since it was founded in 1886. remanium® is a branded product that is continuously being developed and that accompanies and helps to shape the technical advances in dental prosthetics. In 2025, remanium® will be celebrating its 90th anniversary and one can proudly say that the remanium® alloys belong to the best known products in dental prosthetics and can look back on a long history.

The cobalt-chrome alloy for partial dentures that was presented under the name Remanit in 1935 already displayed fundamental properties and alloy components that can still be found today in high-quality partial denture alloys under the name of remanium® (since 1964).

1935



Introduction of Remanit cobalt-chrome alloy for partial dentures. Known today as the remanium® alloy.

1962



Non-precious bonding alloys were used in dental laboratories in the early 1960s. The first of these bonding alloys were nickel-chrome alloys with up to 2% beryllium.

1982



The cobalt-chrome partial denture alloys were modified further at the beginning of the 1980s so that they could be used as crown, bridge and bonding alloys, e.g. remanium® CD.

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

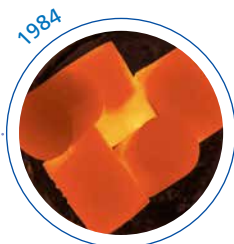
From the end of the 1960s to the beginning of the 1970s, the first bonding alloys with no precious metal content made their entrance into German dental laboratories.

From the early 1980s, Dentaureum modified CoCr partial denture alloys so that they could be used as crown, bridge and bonding alloys. In 1985, Dentaureum's melting unit was extended, enabling continuous casting production under vacuum and inert gas. The new, non-precious CoCr alloys for fixed restorations were of particular interest to the dental world.

Further innovations followed in the aughts, such as the partial denture alloy remanium® GM 900. The carbon-free alloy proved to be excellent for welding. In 2003, crown and bridge alloys were produced using the continuous casting process.

Dentaureum's non-precious remanium® casting alloys have been a synonym for quality in prosthetic dentistry for decades and have been used millions of times. To serve new technologies and deliver optimum results with clinically proven alloys, the CoCr casting alloy remanium® star is available today in the same quality for three technologies: alongside the well-known cylinders for dental investment casting, there have been milling blanks for machining since 2008 and the micro-powder for LMF since 2010.

Metallic materials, in particular non-precious CoCr alloys, will continue to be a mainstay in the future of prosthetic dentistry. We, at Dentaureum, see proven materials for the production of dental crown and bridge frameworks as the key to high-quality dental restorations and a high level of patient satisfaction. Dentaureum is therefore continuously active in the fields of development, production and quality assurance to preserve the renowned proven quality of the remanium® alloys.



1984
Start of production of partial denture alloys using the investment casting process. The remanium® alloys are produced in our own foundry.



2012
remanium® star – the first dental alloy worldwide suitable for all processing technologies. Casting, milling and as a powder for the laser melting process.



2021
remanium® star and rematitan® powder – long-term proven powder alloys for universal application. remanium® is a branded product that has continuously evolved and adapted to technical progress.



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 1,500 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 Semisch

remanium® C+B alloys

Non-precious and corrosion resistant Page 164

C+B investment materials

For all types of Dentaurem alloys Page 177

C+B modelling waxes

For many applications Page 185

C+B accessories

Accessories for crown and
bridgework Page 190

remanium®
star 



One alloy

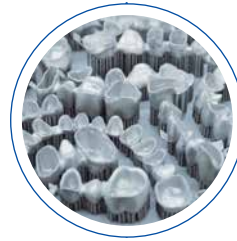
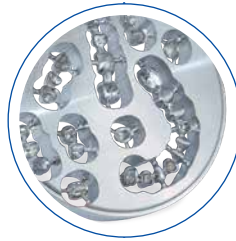
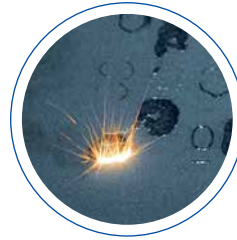
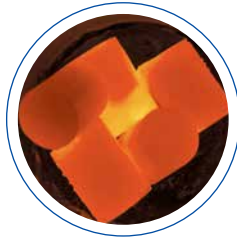
The successful remanium® star formula

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

Dentaurum's non-precious remanium® casting alloys have been a synonym for quality in prosthetic dentistry 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 offer the remanium® premium quality 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.
- Low hardness and ductility allow easy milling.
- Ideal also for milled secondary parts.

Laser melting

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

remanium®

Crown + bridge alloys:
Clinically proven millions of times

Quality and purity – made in Germany

The successful remanium® formula

- Development, manufacture and inspection at Dentaureum in Ispringen, Germany.
- Use of raw materials with high level of purity for all remanium® alloys.
- High 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.



remanium® NiCr alloys at a glance

	remanium® CSe	remanium® G-soft																		
Characteristics	NiCr bonding alloy type 3 with very user-friendly processing properties	Proven NiCr alloy type 4 for crown and bridgework and composite veneering																		
Product advantages	• particularly easy processing due to reduced surface hardness • no slow cooling of the ceramic required • beryllium-free, biocompatible • fast and easy to melt • optimum weldability	• very good melting and casting characteristics • easy polishing and high luster • high corrosion resistance • high strength for delicate frames • ideal for melting with a flame, as it does not spray during melting																		
Composition (% by mass)	<table><tr><td>Ni</td><td>Cr</td><td>Mo</td><td>Si</td><td>Fe</td></tr><tr><td>60.0</td><td>26.0</td><td>11.0</td><td>1.5</td><td>1.2</td></tr></table>	Ni	Cr	Mo	Si	Fe	60.0	26.0	11.0	1.5	1.2	<table><tr><td>Ni</td><td>Cr</td><td>Mo</td><td>Si</td></tr><tr><td>66.0</td><td>26.5</td><td>5.0</td><td>1.5</td></tr></table>	Ni	Cr	Mo	Si	66.0	26.5	5.0	1.5
Ni	Cr	Mo	Si	Fe																
60.0	26.0	11.0	1.5	1.2																
Ni	Cr	Mo	Si																	
66.0	26.5	5.0	1.5																	
Other < 1%		B, Mn																		
Dental prosthetic characteristics																				
Oxide firing	no	no																		
Soldering with NiCr solder	REF 102-302-00	REF 102-302-00																		
Laser welding	+++ NiCr welding wire REF 528-220-00	+++ NiCr welding wire REF 528-220-00																		
Investment material	Trivest, Castorit® all speed, Castorit®-super C, rema® CC	Trivest, Castorit® all speed, Castorit®-super C, rema® CC																		
Mechanical properties																				
0.2 % yield strength R _{p0.2}	340 MPa	400 MPa																		
Tensile strength R _m	580 MPa	700 MPa																		
Modulus of elasticity E	170 GPa	165 GPa																		
Hardness	195 HV 10	210 HV 10																		
Elongation A ₅	15 %	10 %																		
Solidus temperature	1260 °C / 2300 °F	1210 °C / 2210 °F																		
Liquidus temperature	1350 °C / 2462 °F	1340 °C / 2444 °F																		
Density	8.2 g/cm ³	8.2 g/cm ³																		
CTE (25 °C - 500 °C / 77 °F - 932 °F)	14 x 10 ⁻⁶ K ⁻¹	–																		
Ordering information																				
Availability	50 g REF 102-401-05 1000 g REF 102-403-05	1000 g REF 100-001-00																		
Safety via certified quality  0483																				

Good biocompatibility: Laboratory tests confirm the outstanding corrosion resistance, and cytotoxicity tests conducted by independent institutes acknowledge the biological compatibility. 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® segura																									
Characteristics	Modern bonding alloy type 5 with outstanding processing properties and low hardness. Suitable for all processing technologies.				CoCr bonding alloy type 5 with very high 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 melting and flow behavior • excellent veneerability due to 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 because it is carbon-free • flexibility in application: can be melted in a high frequency induction casting unit, particularly suited to melting by flame (no spattering) • increased efficiency during processing				• 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 ceramic through low oxidation • radiant luster due to high Cr content																									
Composition (% by mass)	<table><tr><td>Co</td><td>Cr</td><td>W</td><td>Si</td></tr><tr><td>60.5</td><td>28.0</td><td>9.0</td><td>1.5</td></tr></table>				Co	Cr	W	Si	60.5	28.0	9.0	1.5	<table><tr><td>Co</td><td>Cr</td><td>W</td><td>Mo</td><td>Si</td><td>Ta</td></tr><tr><td>58.0</td><td>30.0</td><td>5.5</td><td>3.0</td><td>1.5</td><td>1.25</td></tr></table>						Co	Cr	W	Mo	Si	Ta	58.0	30.0	5.5	3.0	1.5	1.25
Co	Cr	W	Si																											
60.5	28.0	9.0	1.5																											
Co	Cr	W	Mo	Si	Ta																									
58.0	30.0	5.5	3.0	1.5	1.25																									
Other < 1%	Mn, N, Nb				N																									
Dental prosthetic 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 250 g 1000 g	REF 102-621-00 REF 102-622-00 REF 102-620-00			50 g 250 g 1000 g	REF 102-631-00 REF 102-632-00 REF 102-630-00																								

Safety via certified quality CE 0483

Good biocompatibility: Laboratory tests confirm the outstanding corrosion resistance, and cytotoxicity tests conducted by independent institutes acknowledge the biological compatibility. 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 proven CoCr bonding alloy type 5 with low CTE value	CoCr bonding alloy type 5. with easy processing characteristics.																				
Product advantages	• exceptionally low viscosity • flexibility in casting: can be melted in a high frequency induction casting unit, particularly suited to melting by flame (no spattering) • increased efficiency in working procedure • no oxide firing required • suitable for laser welding because it is carbon-free	• exceptionally low viscosity • flexibility in casting: can be melted in a high frequency induction casting unit, particularly suited to melting by flame (no spattering) • rapid processing: no oxide firing cycle required • suitable for laser welding because it is carbon-free																				
Composition (% by mass)	<table><tr><td>Co</td><td>Cr</td><td>Mo</td><td>W</td><td>Si</td></tr><tr><td>63.0</td><td>23.0</td><td>7.0</td><td>5.0</td><td>1.5</td></tr></table>	Co	Cr	Mo	W	Si	63.0	23.0	7.0	5.0	1.5	<table><tr><td>Co</td><td>Cr</td><td>Mo</td><td>W</td><td>Si</td></tr><tr><td>63.0</td><td>23.0</td><td>7.3</td><td>4.3</td><td>1.6</td></tr></table>	Co	Cr	Mo	W	Si	63.0	23.0	7.3	4.3	1.6
Co	Cr	Mo	W	Si																		
63.0	23.0	7.0	5.0	1.5																		
Co	Cr	Mo	W	Si																		
63.0	23.0	7.3	4.3	1.6																		
Other < 1%	Mn, N	Mn, N																				
Dental prosthetic characteristics																						
Oxide firing	no	no																				
Soldering with CoCr solder	REF 102-306-00	REF 102-306-00																				
Laser welding	+++	+++																				
Investment material	Trivest, Castorit® all speed, Castorit®-super C, rema® TT, rema® CC	Trivest, Castorit® all speed, Castorit®-super C, rema® TT, rema® CC																				
Mechanical properties																						
0.2 % yield strength R _{p0.2}	700 MPa	660 MPa																				
Tensile strength R _m	900 MPa	850 MPa																				
Modulus of elasticity E	200 GPa	195 GPa																				
Hardness	340 HV 10	336 HV 10																				
Elongation A ₅	4.5 %	3.5 %																				
Solidus temperature	1290 °C / 2354 °F	1325 °C / 2417 °F																				
Liquidus temperature	1415 °C / 2579 °F	1415 °C / 2579 °F																				
Density	8.6 g/cm ³	8.6 g/cm ³																				
CTE (25 °C - 500 °C / 77 °F - 932 °F)	14.0 x 10 ⁻⁶ K ⁻¹	14.2 x 10 ⁻⁶ K ⁻¹																				
Ordering information																						
Availability	50 g 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 via certified quality  0483																						

+++ = excellent

C+B investment materials

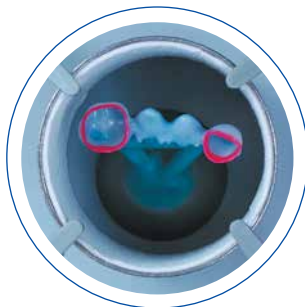
Accurate in precision and handling

Large range of investment materials

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

Batch consistency due to strict controls and final check

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



rema[®]
cc 

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

rema[®]
TT 

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

Castorit[®]-
all speed

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

Castorit[®]-
super C

The "classic" for all non-precious alloys.

Trivest

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

cera[®]motion[®]
press invest

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

Crown and bridge investment materials at a glance

	rema® CC	rema® TT
Characteristics	Universal speed investment for all indications, alloys and press ceramics	Special investment material for telescopic crowns made from non-precious alloys
Product advantages	• one investment material for all applications • high stability with all preheating techniques • targeted expansion control for precious metal, non-precious metal alloys and press ceramics • free choice of investment systems (metal ring or ringless) • great reliability of production batches due to extensive testing • targeted accuracy of fit even with long-span bridges	• 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 of casting ring and type of preheating furnace • high degree of surface smoothness
Inlays, onlays (precious metal)	+++	–
Crowns and bridges	+++	+
Implant superstructures	+++	+
Attachment work	+++	+++
Dental prosthetic characteristics		
Preheating	• preheated (speed) • constant preheating • preheating with holding time	• preheated (speed) • constant 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 (HE liquid)	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	• casting ring can be placed into the furnace at final temperature of 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 very creamy mixing consistency • castings with extremely smooth surfaces ensure uniform quality and exact reproduction of the wax-up	• high thermal stability and robustness • consistent highly accurate fit • easy devesting behaviour • creamy mixing consistency • silky smooth cast surfaces	• expansion can be adjusted • very high overall expansion • easy devesting and sandblasting behavior • long working time
Inlays, onlays (precious metal)	++	–	–
Crowns and bridges	+++	+++	+++
Implant superstructures	+++	++	+++
Attachment work	+++	++	+++
Dental prosthetic characteristics			
Preheating	• preheated (speed) • constant preheating • preheating with holding time	• constant preheating • preheating with holding time	• constant 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 outstanding processing properties and low hardness. Suitable for all processing technologies.

Advantages:

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

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

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

Technical data

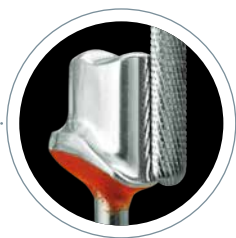
0.2% Yield strength $R_{p0.2}$	620 MPa
Tensile strength R_m	845 MPa
Hardness	280 HV 10
Elongation A_5	10.2 %
Modulus of elasticity E	190 GPa
Density	8.6 g/cm ³
CTE 25 °C - 500 °C / 77 °F - 932 °F	14.1 x 10 ⁻⁶ K ⁻¹
Solidus temperature	1320 °C / 2408 °F
Liquidus temperature	1420 °C / 2588 °F
Weight of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

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

Composition (percentage by mass)

Co	Cr	W	Si
60.5	28.0	9.0	1.5

Additional elements < 1 %: Mn, N, Nb



remanium® star MD II blank

ø 98.40 mm

Proven CoCr bonding alloy for CAD/CAM milling systems, produced on an industrial scale.

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
- suitable for ceramic veneering using the conventional CTE range
- good laser weldability

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

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

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

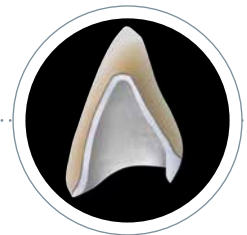
Solidus temperature 1320 °C / 2408 °F

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



CoCr alloys



remanium® segura

CoCr bonding alloy very high reliability potential during processing. Excellent casting behavior, including vacuum pressure casting.

Advantages:

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

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

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

Technical data

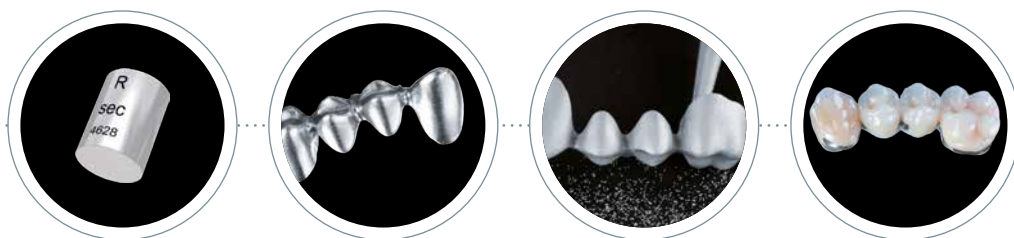
0.2% Yield strength $R_{p0.2}$	760 MPa
Tensile strength R_m	940 MPa
Hardness	340 HV 10
Elongation A_5	5.3 %
Modulus of elasticity E	211 GPa
Density	8.6 g/cm ³
CTE 25 °C - 500 °C / 77 °F - 932 °F	14.4 x 10 ⁻⁶ K ⁻¹
Solidus temperature	1329 °C / 2424.2 °F
Liquidus temperature	1385 °C / 2525 °F
Weight of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

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

Composition (percentage by mass)

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

Additional elements < 1 %: N



remanium® 2000+

Clinically proven CoCr bonding alloy with a low CTE value.

Advantages:

- exceptionally low viscosity
- flexibility in casting: can be melt in a high frequency induction casting unit, or with propane/oxygen torch
- increased efficiency
- no oxide firing required
- suitable for laser welding because it is carbon-free

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

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

Technical data

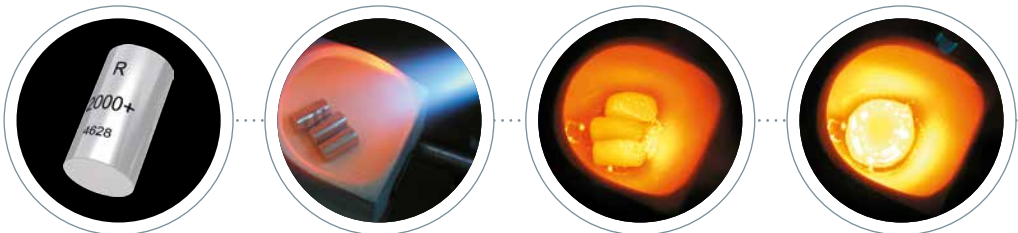
0.2% Yield strength $R_{p0.2}$	700 MPa
Tensile strength R_m	900 MPa
Hardness	340 HV 10
Elongation A_5	4,5 %
Modulus of elasticity E	200 GPa
Density	8.6 g/cm ³
CTE 25 °C - 500 °C / 77 °F - 932 °F	14.0 x 10 ⁻⁶ K ⁻¹
Solidus temperature	1290 °C / 2354 °F
Liquidus temperature	1415 °C / 2579 °F
Weight of casting ingot	6 g

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

Composition (percentage by mass)

Co	Cr	Mo	W	Si
63.0	23.0	7.0	5.0	1.5

Additional elements < 1 %: Mn, N



CoCr alloys



remanium® 2001

CoCr bonding alloy with simple processing properties.

Advantages:

- exceptionally low viscosity
- flexibility in casting: can be melt in a high frequency induction casting unit, or with propane/oxygen torch
- rapid processing: no oxide firing cycle required
- suitable for laser welding because it is carbon-free

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

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

Technical data

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

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

Composition (percentage by mass)

Co	Cr	Mo	W	Si
63.0	23.0	7.3	4.3	1.6

Additional elements < 1 %: Mn, N



remanium® CSe

NiCr bonding alloy with user-friendly processing properties.

Advantages:

- particularly easy processing due to reduced surface hardness
- no slow cooling of ceramic required
- beryllium free, biocompatible
- fast and easy to melt
- optimum laser weldability

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

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

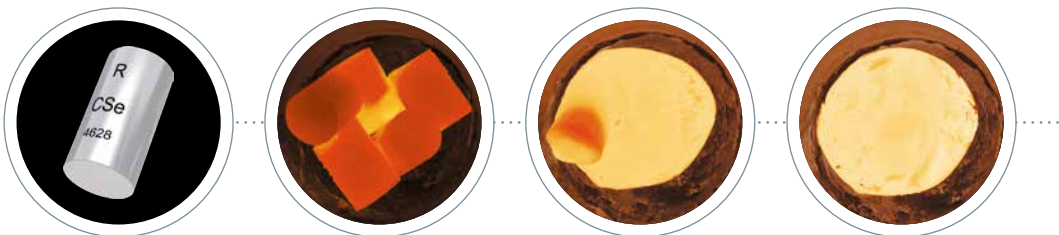
Technical data

0.2% Yield strength $R_{p0.2}$	340 MPa
Tensile strength R_m	580 MPa
Hardness	195 HV 10
Elongation A_5	15 %
Modulus of elasticity E	170 GPa
Density	8.2 g/cm ³
CTE 25 °C - 500 °C / 77 °F - 932 °F	14.0 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

Composition (percentage by mass)

Ni	Cr	Mo	Si	Fe
60.0	26.0	11.0	1.5	1.2



NiCr alloys



remanium® G-soft

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

Advantages:

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

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

Norm: DIN EN ISO 22674 (Type 4)

Technical data

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

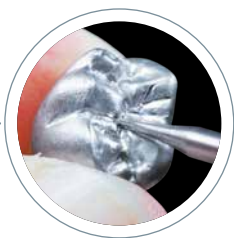
REF 100-001-00

1000 g

Composition (percentage by mass)

Ni	Cr	Mo	Si
66.0	26.5	5.0	1.5

Additional elements < 1 %: B, Mn



Tritan

Titanium grade 1

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

min. 99.5 % titanium

Good casting properties in specifically designed casting machines

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 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

Technical data

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



Titanium



rematitan® M

Titanium grade 4

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

min. 99 % titanium

Good casting properties in specifically designed casting machines

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 of proper purity grade is used for dental castings.

Advantages:

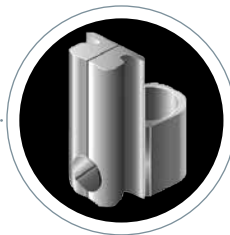
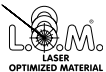
- higher values in yield strength, tensile strength and elasticity
- maximum purity

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

Technical data

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



CoCrMo-Sold 1

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

Area of application:

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

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

Norm: DIN EN ISO 9333

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

REF 102-306-00	3 g
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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
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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
 - good flowability of the solder
- Color: white to ochre

REF 102-304-00	25 g
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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
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Composition (percentage by mass)

Au	Ni	Zn
77.0	16.0	6.0



Universal silver solder

- in rods
- ready fluxed
- cadmium-free

Not permitted for intra-oral use.

Ø 1.00 mm - 1.10 mm

Working temperature 700 °C / 1292 °F

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

Ag	Zn	Cu
59.0	24.0	16.0



Universal silver solder

- in coils
- without flux
- cadmium free

Not permitted for intra-oral use.

Ø 0.60 mm

Working temperature 700 °C / 1292 °F

REF 380-704-50	10 g
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Composition (percentage by mass)

Ag	Zn	Cu
59.0	25.0	16.0



Dentaflux® flux

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

Color: brown

REF 681-100-00	50 g
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CoCr welding wire

Various dimensions to be used as a filler 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

Composition (percentage by mass)

Co	Cr	Mo
65.0	28.0	5.5

Additional elements < 1 %: Mn, N, Si



NiCr welding wire

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

Norm: DIN EN ISO 28319

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

Composition (percentage by mass)

Ni	Cr	Mo	Nb
63.0	22.0	9.0	3,5

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



rematitan® wire on coil

Titanium grade 1

For laser welding of titanium frameworks.

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

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

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



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



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



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



rema® CC

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

Advantages:

- one investment for all applications
- high stability with all preheating techniques
- 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 needed for 6 kg investment material.

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

REF 105-845-00	1 l
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rema® CC HE liquid

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

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

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

REF 105-846-00	1 l
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Investment materials



rema® TT

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

Advantages:

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

Norm: DIN EN ISO 15912

Type 1

Class 1, 2

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

REF 106-740-00

4 kg (25 x 160 g)



rema® TT mixing liquid

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

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

REF 106-707-00

1 l

Castorit® all speed

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

Advantages:

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

Norm: DIN EN ISO 15912

Type 1

Class 1, 2

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

REF 105-741-00

6 kg (40 x 150 g)



Castorit® all speed mixing liquid

Approx. 1000 ml mixing liquid are needed 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 needed 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)
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Trivest mixing liquid

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

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

REF 106-706-00	1 l
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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 needed for 20 kg investment material.

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

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

REF 105-502-00	1 l
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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	2.5 kg (25 x 100 g)
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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
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Press plunger

ø 12 mm

Reusable aluminum 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



DENTAURUM
ONLINE SHOP
shop.dentaurum.com



Investment materials



rematitan® Plus

Universal titanium investment for all areas.

Advantages:

- suitable for use both in 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 mold 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 needed for 20 kg investment material.

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

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

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

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

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

For hardening rematitan® Plus investment models.

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

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

Advantages:

- purely organic
- ideal wax-up properties
- short melting range, can be applied optimally in spots or larger surfaces
- high elastic resilience – no risk of fracturing
- fatigue-free work
- 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
- very high accuracy of fit 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 – does 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 better 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
- smooth surface
- easy waxing due to fast solidification
- rigid and stress-free after application

ø	Color	REF	Quantity
2.0 mm	blue	111-720-00	250 g
2.5 mm	blue	111-825-00	250 g
3.0 mm	blue	111-830-00	250 g
3.5 mm	blue	111-835-00	250 g
4.0 mm	blue	111-840-00	250 g
5.0 mm	blue	111-850-00	250 g



Wax wire rod

- for retentions etc.
- easily adaptable

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



Investment systems



Kera-Vlies®

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

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

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



Model and casting ring tongs

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

Length: 36.0 cm

REF 127-410-00	1 piece
----------------	---------



Casting ring

Material: stainless steel

- heat-resistant
- sturdy design

Size	ø	Height	REF	Quantity
1	30 mm	55.0 mm	106-800-00	1 piece
3	48 mm	55.0 mm	106-801-00	1 piece
6	65 mm	55.0 mm	106-802-00	1 piece



Sprue former

Material: highly durable flexible rubber

With metal-reinforced base plate.

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



Base D1 – Casting ring base

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

The casting ring is not supplied with the base.

REF 106-825-00	1 piece
----------------	---------



Casting sprue former titanium

Material: acrylic

Application for rematitan®/autocast casting machines.

REF 090-027-00	5 pieces
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Die Lube

Die separating agent

Application:

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

- ideal oil-free milling liquid for smoothing milled metal surfaces
- 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



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
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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 dental stone, impression and investment materials, easy to clean.

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

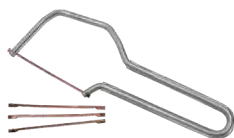
Dowel pin

Made of hard 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 retention pin for direct fixation without seating device in the impression. Special graduations on the pin ensure safe retention in impression.



Saw

For orthodontics / prosthetics.

Small saw with replaceable blades.

Contents:

Saw incl. 3 saw blades

REF 180-702-00

1 piece



Saw blade

For saw.

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

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



conical

platform



DENTAURUM
ONLINE SHOP
shop.dentaurum.com





Abutment Switch
2 connector geometries – 1 implant

conical



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

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

platform





Digital workflow

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



Complete solution for the CAD/CAM processes

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

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

Data sets for all software providers

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

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

Original components directly from the manufacturer

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

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



Certified manufacturing centers as partners

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

www.dentaaurum.de/cadcam

Alloys	Page	210
Titanium	Page	214
Solders and welding wires	Page	216
Investment materials	Page	218
Duplicating materials	Page	225
Duplicating materials – accessories	Page	229
Waxes	Page	232
Accessories	Page	238





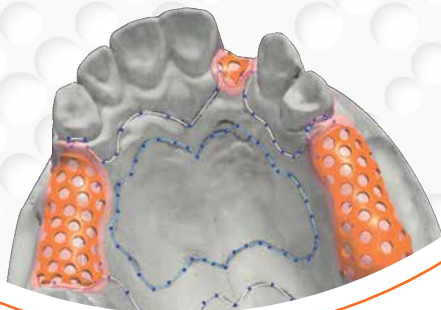
Partial dentures

Competence through experience

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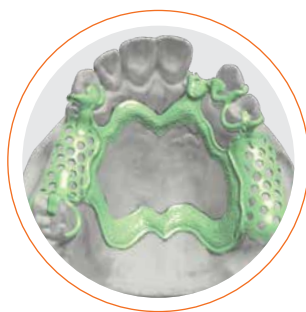


Partial denture, digital



remanium® for all manufacturing technologies

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



Coordinated products and processes

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



Partial denture alloys

For a high level of biocompatibility Page 210

Partial denture investment materials

Universal qualities Page 218

Duplicating gels

Impressive duplicating qualities Page 225

Duplicating silicones

For high quality standards Page 228

Partial denture – wax assortment

For all types of applications and
in all thicknesses Page 232

Partial denture – accessories

From soldering to duplicating
moulds and investment systems
to funnel formers Page 238



Partial denture alloys:
Biocompatible, resistant to corrosion,
for universal use

Dentaurum's requirements

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 a good mechanical loading capacity. Partial denture frameworks made of remanium® can therefore be designed to be very thin and delicate.

All Dentaurum partial denture alloys offer:

- easy castability
- no risk of overheating thanks to mirror reflection
- high gloss surfaces
- wide range of indications

Special advantages:

- remanium® GM 800+ has a high spring-hardness
- Easy 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, type 5	Spring hard alloy with reduced hardness for the partial denture technique, type 5																																		
Product advantages	• high fracture resistance due to excellent mechanical properties • high modulus of elasticity for delicate, yet stable frameworks • reduction in danger of clasp fractures thanks to increased yield strength • mirror effect on melt surface • high-luster surfaces after electrolytic polishing • very good laser welding properties	• mirror effect indicates the appropriate moment for casting. Prevents overheating of the molten alloy, ensuring smooth clean castings. • reduced surface hardness • easy finishing and polishing • easily activated, high elongation at rupture	• harmoniously coordinated, high mechanical parameters • easy finishing 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)	<table><tr><td>Co</td><td>Cr</td><td>Mo</td><td>W</td><td>Si</td></tr><tr><td>58.3</td><td>32.0</td><td>6.5</td><td>1.5</td><td>1.0</td></tr></table>	Co	Cr	Mo	W	Si	58.3	32.0	6.5	1.5	1.0	<table><tr><td>Co</td><td>Cr</td><td>Mo</td></tr><tr><td>64.6</td><td>29.0</td><td>4.5</td></tr></table>	Co	Cr	Mo	64.6	29.0	4.5	<table><tr><td>Co</td><td>Cr</td><td>Mo</td><td>Si</td><td>Ta</td></tr><tr><td>62.0</td><td>30.0</td><td>5.5</td><td>1.2</td><td>1.2</td></tr></table>	Co	Cr	Mo	Si	Ta	62.0	30.0	5.5	1.2	1.2	<table><tr><td>Co</td><td>Cr</td><td>W</td><td>Si</td></tr><tr><td>61.0</td><td>28.0</td><td>8.0</td><td>1.5</td></tr></table>	Co	Cr	W	Si	61.0	28.0	8.0	1.5
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Co	Cr	W	Si																																			
61.0	28.0	8.0	1.5																																			
Other < 1%	C, Mn, N	C, Mn, N, Si	N	Mn, N, Nb																																		

Dental prosthetic 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 $R_{0.02}$	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
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Safety through certified quality CE 0483

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

+++ = excellent ++ = very good



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

Versatile

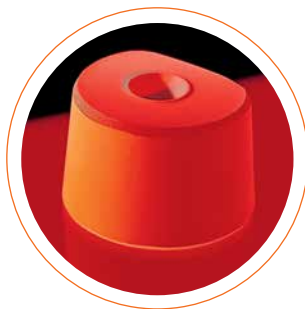
Dentaurum investment materials cover the whole spectrum of the partial denture technique. They can be used for conventional preheating, quick preheating and for the preheated method (speed).

Accuracy of 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 partial denture 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 • simultaneous investment of several partial dentures • flexibility in preheating stage, conventional and speed • excellent fit	• complete flexibility in the preheating stage - preheated (speed) - 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 very elongated individual teeth • very easy, pleasant processing - 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	• constant preheating • preheated (speed)	• constant preheating • partially preheated • preheated (speed)	• constant preheating • preheating with holding time	• constant preheating • preheating with holding time
Duplication with gel		+++	+++	+++
Duplication with 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 – high precision

Comfortable to work with thanks to quick processing and high elasticity.

Duplicating gel – very economical.

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



Reversible agar duplicating materials at a glance

	Dublitolp®	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 dental stone and investment materials	Special duplicating gel for duplicate models in dental stone
Product advantages	• crisp details - optimal contrast due to the light-blue, opaque color • exceptional tear resistance - high edge strength during removal • excellent fit - very good duplicating results • excellent thermal stability - long shelf-life ensures cost-effectiveness • does not color stone models • biodegradable • smooth surfaces	• no pulling away from metal parts • excellent fit • smooth metal surfaces • long service life	• 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 dental stones
Areas of use					
Partial dentures	X	X	X	X	—
Combination technique	X	X	—	—	—
Casting technique with acrylic	X	X	X	X	—
Suitable for duplicate stone models	—	—	—	X	X
Suitable for partial denture investment material	X	X	X	X	—
Technical data					
Shade	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 mechanical properties
- high modulus of elasticity allows delicate, but stable constructions
- even less risk of clasp fractures due to increased yield strength
- the right moment for casting is shown when the melt has a mirror-like shine. No overheating of melt results in smooth and clean castings
- high-luster surface after electrolytic polishing
- very good laser welding properties

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

Norm: DIN EN ISO 22674 (Type 5)

Technical data

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

REF 102-200-10

1000 g

Composition (percentage by mass)

Co	Cr	Mo	W	Si
58.3	32.0	6.5	1.5	1.0

Additional elements < 1 %: C, Mn, N



remanium® GM 380+

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

Advantages:

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

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

Norm: DIN EN ISO 22674 (Type 5)

Technical data

0.2% Yield strength $R_{p0.2}$	640 MPa
Tensile strength R_m	900 MPa
Hardness	360 HV 10
Elongation A_5	6.5 %
Modulus of elasticity E	220 GPa
Density	8.2 g/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

Composition (percentage by mass)

Co	Cr	Mo
64.6	29.0	4.5

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



Alloys



remanium® GM 900

Extra spring-hard, modern alloy for all types of partial denture work.

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
- carbon-free, therefore excellent laser welding properties
- patented composition based on CoCrMoTa

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

Norm: DIN EN ISO 22674 (Type 5)

Technical data

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

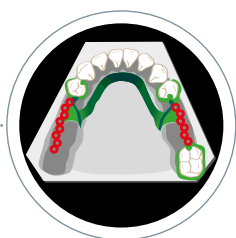
REF 102-250-00

1000 g

Composition (percentage by mass)

Co	Cr	Mo	Si	Ta
62.0	30.0	5.5	1.2	1.2

Additional elements < 1 %: N



remanium® GM 280

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

Product advantages:

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

Indication: cast partial dentures

Norm: DIN EN ISO 22674 (Type 5)

Technical data

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

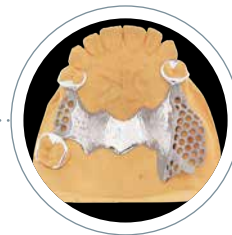
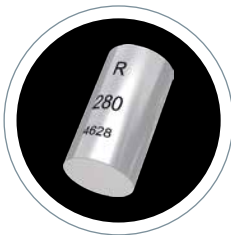
REF 102-280-00

1000 g

Composition (percentage by mass)

Co	Cr	W	Si
61.0	28.0	8.0	1.5

Additional elements < 1 %: Mn, N, Nb



Titanium



Tritan

Titanium grade 1

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

min. 99.5 % titanium

Good casting properties in specifically designed casting machines

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 of proper purity grade is used for dental castings.

Advantages:

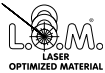
- minimal oxygen content. Very good castability
- 5 different weight units ensure accurate dispensing
- maximum purity

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

Technical data

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



rematitan® M

Titanium grade 4

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

min. 99 % titanium

Good casting properties in specifically designed casting machines

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 of proper purity grade is used for dental castings.

Advantages:

- higher values in yield strength, tensile strength and elasticity
- maximum purity

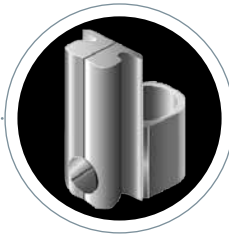
Indication: implant supported supra-structures, particularly suitable for partial dentures



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

Technical data

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



Partial dentures

Solders and welding wires



CoCrMo-Sold 1

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

Area of application:

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

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

Norm: DIN EN ISO 9333

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

REF 102-306-00	3 g
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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
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Composition (percentage by mass)

Au	Ni	Zn
77.0	16.0	6.0



Universal silver solder

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

Ø	1.00 mm - 1.10 mm
Working temperature	700 °C / 1292 °F

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

Ag	Zn	Cu
59.0	24.0	16.0



Universal silver solder

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

Ø	0.60 mm
Working temperature	700 °C / 1292 °F

REF 380-704-50	10 g
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Composition (percentage by mass)

Ag	Zn	Cu
59.0	25.0	16.0

rema® Flux 1

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

Color: white to ochre

REF 102-304-00

25 g



Dentaflux® flux

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

Color: brown

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 filler 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

Composition (percentage by mass)

Co	Cr	Mo
65.0	28.0	5.5

Additional elements < 1 %: Mn, N, Si



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 needed for 20 kg investment material.

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

REF 105-728-00	1 l
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rema® dynamic S

Universal, quick model casting investment material.

Advantages:

- complete flexibility in the preheating stage
 - speed preheating
 - partial speed preheating from 600 °C / 1112 °F
 - conventional preheating
- suitable for combination prosthetics
 - impressive accuracy even with complicated structures
- universally suitable in all duplicating procedures
 - compatible with duplicating materials silicone and gel
- excellent accuracy
 - high edge strength 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 needed for 20 kg investment material.

Caution: Mixing liquid is sensitive to frost!

Please order prior to frost season.

REF 105-620-50	1 l
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rema® dynamic S mixing liquid Speed

To be used for speed preheating the casting ring.

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

Caution: Mixing liquid is sensitive to frost!

Please order prior to frost season.

REF 105-623-50	1 l
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Investment materials



rema® Exakt F

Fine and exact model casting investment material.

Advantages:

- optimized formula for increased stability
 - recommended for critical applications such as elongated single tooth
- very easy, pleasant processing
 - pleasant 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 needed for 20 kg investment material.

Caution: Mixing liquid is sensitive to frost!

Please order prior to frost season.

REF 105-501-00	1 l
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rema® Exakt

Classical, robust model casting investment material.

Advantages:

- very uncomplicated processing
 - good results even in extreme laboratory conditions
- reproducible precision
 - maintains the same high accuracy from one casting to the next
- especially recommended for gel duplications
 - quick setting increases the quality with gel duplications
- universal processing
 - especially economical when used with water

Norm: DIN EN ISO 15912

Type 2

Class 1

Working time	3 min - 4 min consistent preheating,
Preheating	preheating with holding time
Preheating temperature	950 °C - 1000 °C / 1742 °F - 1832 °F
Compression resistance	12 MPa -15 MPa
Color	pink

REF 105-020-00	20 kg (50 x 400 g)
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rema® Exakt, rema® Exakt F mixing liquid

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

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

REF 105-501-00	1 l
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Investment materials



Special dental 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 needed
for 20 kg investment material.

Approx. 800 ml mixing liquid are needed
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 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 mold 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 needed for 20 kg investment material.

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

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

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

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

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

For hardening rematitan® Plus investment models.

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

REF 167-305-00	1 l
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Investment materials



RK-DUR fine investment

By means of inoculant 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 binder investment materials. 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

Duplicating materials

Dublitolp®

Opaque, high-contrast duplicating gel with properties similar to silicone.

- highly crisp details
 - optimal contrasts due to the light blue, opaque color
- exceptional tear resistance
 - high edge strength during removal
- excellent fit
 - very good duplicating results
- excellent thermal stability
 - long shelf life ensures cost-effectiveness
- does not color dental stone 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



Dubliform

Time-tested quality duplicating gel.

- volumetric stability
- precise duplicate impressions
- transparent
- elastic
- durable
- low viscosity
- can be melted up to 15 times

Area of application:

- partial dentures
- acrylic pouring technique

Color: transparent, orange

REF 108-500-00

6 kg



Dubliform liquid concentrate

Time-tested quality duplicating gel.

- easy processing by only mixing with water
- ready to use after first heating
- mixing ratio: 1 l gel : 1 l water
- produces 5.4 kg ready-to-use duplicating gel

Area of application:

- partial dentures
- acrylic pouring technique

Color: transparent, orange

REF 108-550-00

2.9 kg



Duplicating materials



Duplikat

Transparent precision duplicating gel. Suitable for phosphate-based and binder investment material.

- 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 binder investment material.

- extreme volumetric stability
- low viscosity
- no pulling away from metal
- quick processing by only mixing with 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 investment materials.

- 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.

- quick 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



Duplicating materials



rema® Sil

Addition curing pure silicone for a high quality standard.

- pure silicone without fillers
 - large quantity 950 ml / 1 kg
 - long shelf life
- low level of hardness
 - high degree of accuracy due to free expansion of the investment material
- 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 %	

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

Material: acrylic

Application for rematitan®/autocast casting machines.

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

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

REF 127-309-00	1 piece
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Siliform-Set

Plastic flasks for silicone and reversible duplicating materials.

With the 3 flasks of different heights, various model sizes can be duplicated economically.

Internal height of flask top:

small: 35 mm

medium: 43 mm

large: 51 mm

Bases fit all top units.

REF 127-318-00	1 set
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Contents:

1 x Siliform duplicating flask small	REF 127-315-00
1 x Siliform duplicating flask medium	REF 127-316-00
1 x Siliform duplicating flask large	REF 127-317-00
3 x rema® Form base, smooth	REF 127-309-00



Gumex N

Wax-based putty for covering undercut areas on stone models prior to duplication.

- soft, easy to adapt
 - no discoloration
 - easy removal from model after duplication
 - multiple reuse
 - good adaptation onto the model
- Color: yellow

REF 168-015-50	650 g
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Duplicating materials – accessories

Septisol

Separating agent with dual function, alcohol-free.

- **Dental stone against silicone**

Spray on dental stone models prior to silicone duplication.

- **Stone against stone**

Stone models before mounting in articulator or dental arches against stone contour.

REF 108-720-50	100 ml
REF 108-721-50	1 l



Lubrofilm®

Double function

- **Silicone surface tension reducing agent**

Allows bubble-free pouring of investment into silicone mould.

- **Wax surface tension reducing agent**

Reduces surface tension on wax and facilitates investing.

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



Remadur

Solvent-free cold model hardener for investment models.

- solvent-free
- environmentally friendly
- low viscosity
- no heating of the hardener



REF 167-301-00	1 l
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Cold model hardener

Cold model hardener containing solvent for investment models.

- no heating of the hardener
- low viscosity
- very hard models with a high edge strength

Recommended working container:

cleaned duplicating container with lid.



REF 167-215-00	2.3 kg
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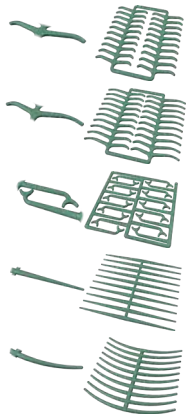


Waxes

Preformed clasp

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

Color: green



Designation	REF	Quantity
Premolar clasp	110-001-00	200 pieces
Molar clasp	110-002-00	200 pieces
Bonyhard clasp	110-003-00	200 pieces
Ring clasp, straight	110-013-00	200 pieces
Ring clasp, curved	110-005-00	200 pieces



Wax retention

- wide range of different shapes
- excellent adaptability
- outstanding adhesion
- burn out residue-free

Color: red

Designation	REF	Quantity
Grid, coarse	110-101-00	20 pieces
Grid, fine	110-102-00	20 pieces
Grid, round	110-103-00	20 pieces
Ridge retention	110-006-00	80 pieces
Loop retention, small	110-011-00	24 pieces
Loop retention, large	110-012-00	24 pieces
Perforated retention for lower staggered, length 130 mm, width 7 mm	111-216-00	25 pieces
Perforated retention for lower staggered, length 110 mm, width 9 mm	111-217-00	25 pieces
Perforated retention for lower straight, length 125 mm, width 6 mm	111-218-00	25 pieces



Waxes



Wax wire on roll

- for sprues
- smooth surface
- easy waxing due to fast solidification
- rigid and stress-free after application

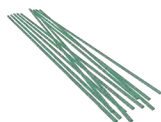
ø	Color	REF	Quantity
2.0 mm	blue	111-720-00	250 g
2.5 mm	blue	111-825-00	250 g
3.0 mm	blue	111-830-00	250 g
3.5 mm	blue	111-835-00	250 g
4.0 mm	blue	111-840-00	250 g
5.0 mm	blue	111-850-00	250 g



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

Preformed wax bar, sprue strip

- easily adaptable

Width x Thickness	Color	REF	Quantity
8.0 mm x 1.8 mm	green	111-311-00	65 g



Preformed wax bar, end profile

- 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
0.30 mm	transparent	120-023-00	32 sheets
0.40 mm	transparent	120-024-00	32 sheets
0.50 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



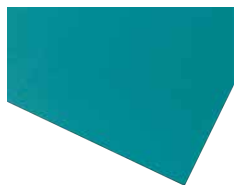
Relining wax

- application: relinable saddles
 - soft and transparent
- Dimensions (L x W): 150 mm x 70 mm

Thickness	Color	REF	Quantity
0.40 mm	red	120-104-00	15 sheets
0.50 mm	red	120-105-00	15 sheets
0.60 mm	red	120-106-00	15 sheets
0.70 mm	red	120-107-00	15 sheets



Waxes



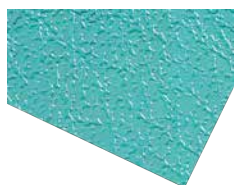
Wax sheet

Surface: plain

- very adaptable quality
- excellent adaptation and adhesion behavior

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

Thickness	Color	REF	Quantity
0.20 mm	green	114-420-00	15 sheets
0.25 mm	green	114-425-00	15 sheets
0.30 mm	green	114-430-00	15 sheets
0.35 mm	green	114-435-00	15 sheets
0.40 mm	green	114-440-00	15 sheets
0.50 mm	green	114-450-00	15 sheets
0.60 mm	green	114-460-00	15 sheets
0.70 mm	green	114-470-00	15 sheets
0.80 mm	green	114-480-00	15 sheets
1.0 mm	green	114-500-00	15 sheets



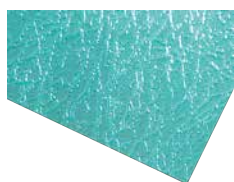
Wax sheet

Surface: fine veined

- the stronger vein and stippled design gives the upper denture a 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
0.40 mm	green	117-040-00	15 sheets
0.45 mm	green	117-045-00	15 sheets
0.50 mm	green	117-050-00	15 sheets
0.60 mm	green	117-060-00	15 sheets



Wax sheet

Surface: medium veined

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

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

Thickness	Color	REF	Quantity
0.30 mm	green	117-130-00	15 sheets
0.35 mm	green	117-135-00	15 sheets
0.40 mm	green	117-140-00	15 sheets
0.45 mm	green	117-145-00	15 sheets
0.50 mm	green	117-150-00	15 sheets
0.60 mm	green	117-160-00	15 sheets

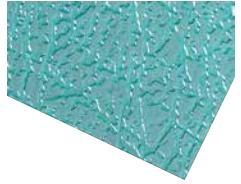
Wax sheet

Surface: coarse veined

- the stronger vein and stippled design gives the upper denture a 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
0.40 mm	green	117-240-00	15 sheets
0.45 mm	green	117-245-00	15 sheets
0.50 mm	green	117-250-00	15 sheets
0.60 mm	green	117-260-00	15 sheets



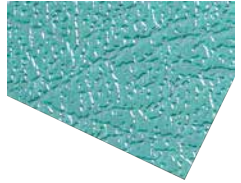
Wax sheet

Surface: coarse grained

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

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

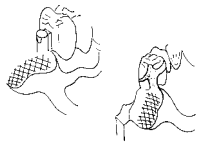
Thickness	Color	REF	Quantity
0.40 mm	green	118-040-00	15 sheets
0.45 mm	green	118-045-00	15 sheets
0.50 mm	green	118-050-00	15 sheets
0.60 mm	green	118-060-00	15 sheets



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
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Wax-Fix
Adhesive for wax and plastic patterns and retention beads.
Adheres 100 % to the model
Application:

- surface of investment materials wet, dry or hardened
- plastic surfaces. Moving of bonded parts is possible

REF 110-210-00	50 ml
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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 large and small, mixed

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	70.0 mm	blue	127-308-00	1 piece



rema® Form base, smooth

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

REF 127-309-00 1 piece



rema® Form base with cone

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

REF 127-310-00 1 piece



Sprie former with retention

REF 127-311-00 1 piece



Sprie 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



Sprie

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 dental stone, 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
- has deep impact, 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

Separating and grinding discs	Page	246
Grinding points	Page	249
Burs and cutters	Page	251
Diamond burs	Page	255
Mandrels	Page	260
Polishing tools and accessories	Page	261





Rotating tools

Coordinated product range

DENTAURUM
ONLINE SHOP
shop.dentaaurum.com



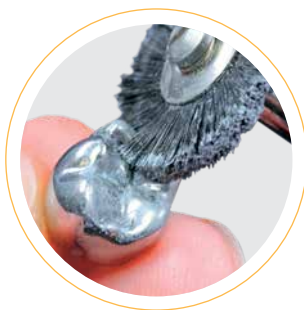


The right cut

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 disc

High cutting efficiency,
minimal risk of fracture

Page 246

Grinding points

Ceramic-bonded grinding points

Page 249

Super hard metal burs

Tungsten carbide, precision cut

Page 251

Diasint

Sintered diamond burs

Page 255

Rubber polisher

High abrasive performance
from coarse to fine

Page 261

Polishing brushes

From linen to steel

Page 263

Polishing pastes

For quick, high shine

Page 265

Rotating tools

Separating and grinding discs

Supercut ST separating disc

- very high grinding 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

- very high grinding 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



Rotating tools

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

- very rapid grinding action
- aluminum-oxide base, does therefore not contaminate surfaces

Application: all metals, ceramics

Color: grey

Recommended speed: 12000 min⁻¹ - 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
 - good 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



Rotating tools

Grinding points

Grinding point

- ceramic-bonded corundum grinding points
- high durability
- good 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, ø 6,5 mm	medium	coarse	132-801-00	100 pieces
625.104.107.523.050	cylindrical, ø 5,0 mm	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

- clean cutting due to pure aluminum oxide
- prevents faulty firings

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

- precision milled
- very good machining 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

- very good 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

- precision milled
- very good machining 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

- precision milled
- very good machining 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



Rotating tools

Burs and cutters

Super hard metal bur

with mill toothing cut, wound right

- tungsten carbide
- precision cut
- very good 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

- machining 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
- very 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



Rotating tools

Diamond burs

Diasint

- sintered diamond burs
- very long working life compared to electroplated diamond burs
- metallic bond prevents fragmentation
- careful selection of grain sizes results in superior cutting action

Application: non-precious ceramic bonding alloys, precious metal alloys, ceramics, acrylics, cast partial denture alloys

Recommended speed: 20000 min⁻¹

Maximum speed: 35000 min⁻¹



ISO number coding	Size	Form	REF	Quantity
807.104.167.524.050	large	conical pointed, slender	137-826-00	1 piece
807.104.200.524.050	large	conical, domed end	137-827-00	1 piece
807.104.143.524.050	large	cylindrical, domed end	137-828-00	1 piece
807.104.012.524.047	large	inverted conical	137-831-00	1 piece



Diasint diamond disc

- sintered on both sides to 2 mm

Application: ceramics

Maximum speed: 10000 min⁻¹

ISO number coding	Grain size	Thickness	ø	REF	Quantity
806.104.354.514.210	50 µm (fine)	0.16 mm	21 mm	137-850-00	1 piece



Diasint diamond disc, rigid

- sintered on both sides to 2 mm

Application: non-precious alloys, precious metal alloys

Maximum speed: 10000 min⁻¹

ISO number coding	Grain size	Thickness	ø	REF	Quantity
806.104.354.524.200	75 µm	0.19 mm	21 mm	137-855-00	1 piece

Diamond burs

Diasint diamond disc, rigid

- fully sintered
- Application:** non-precious alloys (not for ceramic bonding alloys)
Maximum speed: 10000 min⁻¹

ISO number coding	Grain size	Thickness	ø	REF	Quantity
807.104.327.534.210	180 µm	0.40 mm	22 mm	137-856-00	1 piece



Diamond disc

- very 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 diamond burs and discs.

REF 137-810-00	1 piece
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Diasint Zr universal

- Diamond bur
- particularly efficient for use with zirconium oxide
 - universal application for all ceramics
- Application:** all ceramics, ZrO₂ structure
Recommended speed: 5000 min⁻¹
Maximum speed: 7000 min⁻¹

ISO number coding	Form	ø	REF	Quantity
802.104.107.520.060	cylindrical	6 mm	137-846-00	1 piece
802.104.327.520.200	disc	20 mm	137-847-00	1 piece



Rotating tools

Diamond burs



Diasint Zr super

Sinter diamond trimmer

- organic binder
- for coarse grinding and contouring
- does not leave rough surface or overheat

Application: ZrO₂ structure

Recommended speed: 5000 min⁻¹

Maximum speed: 7000 min⁻¹

Form	REF	Quantity
knife-edge	137-841-00	1 piece



Diasint Zr medium

Diamond trimmer

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

Application: ZrO₂ structure

Recommended speed: 5000 min⁻¹

Maximum speed: 7000 min⁻¹

ISO number coding	Form	REF	Quantity
805.104.042.534.150	wheel	137-842-00	1 piece



Diasint Zr fine

Diamond trimmer

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

Application: ZrO₂ structure

Recommended speed: 5000 min⁻¹

Maximum speed: 7000 min⁻¹

ISO number coding	Form	REF	Quantity
805.104.014.524.115	inverted conical	137-843-00	1 piece



Diasint Zr soft

diamond-impregnated disc

- especially suitable for working on margins
- does not overheat

Application: all ceramics, ZrO₂ structure

Recommended speed: 5000 min⁻¹

Maximum speed: 7000 min⁻¹

ISO number coding	Form	REF	Quantity
802.104.373.523.250	disc	137-844-00	1 piece

Diasint Zr set

Application: ZrO₂ structure
Recommended speed: 5000 min⁻¹
Maximum speed: 7000 min⁻¹

REF 137-840-00	1 set
Contents:	
1 x Diasint Zr super	REF 137-841-00
1 x Diasint Zr medium	REF 137-842-00
1 x Diasint Zr fine	REF 137-843-00
1 x Diasint Zr soft	REF 137-844-00



Sintered diamond

Application: ceramics
Recommended speed: 10000 min⁻¹
Maximum speed: 20000 min⁻¹

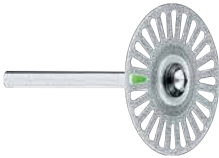
ISO number coding	Abreviation	Form	Grain size	REF	Quantity
807.104.173.513.030	Sidio I	conical, (truncated conical)	fine	260-803-01	1 piece
807.104.027.513.027	Sidio II	inverted conical, concave, front and side cutting	fine	260-803-02	1 piece
807.104.257.513.030	Sidio III	bud, slender	fine	260-803-03	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, circum- ference 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



Rotating tools

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 machine.

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 machine.

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 machine.

Application: orthodontics, crowns and bridges, plastic prosthetics

Maximum speed: 1500 min⁻¹

ø	REF	Quantity
80 mm	141-710-00	1 piece



Rotating tools

Polishing tools and accessories



Brush, stainless steel

- stainless steel, for polishing machine

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 machine.

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 buff

For high shine polish, for polishing machine.

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 steel, 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



Polishing brush

- 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



Polishing brush

- for polishing areas difficult to access,
e.g. fissures, inner surface of telescopes, etc.

Color: black

Maximum speed: 10000 min⁻¹

REF 141-810-00

10 pieces



Tiger Brilliant polishing paste

- quick and high shine polishing paste for
high shine metal surfaces

Application: CoCr alloys, precious metal alloys,
NiCr alloys, titanium

REF 190-350-00

400 g

REF 190-350-50

60 g



Tiger Starshine finishing paste

- the ideal paste for final polishing

Application: all alloys, all metals

REF 190-301-00

50 ml



Tiger Diamond polishing paste

- diamond polishing paste for use with handpiece
- high shine on all metals, ceramics and composites

Application: all alloys, all metals, ceramics, acrylics

REF 190-302-00

50 g



Rotating tools

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 grinding points. Bur stand without instruments
- shaft $\varnothing$: 2.35 mm
- do not use disinfectants containing ethanol, phenol or alcohol

Color: transparent, clear

REF 089-431-00

1 piece



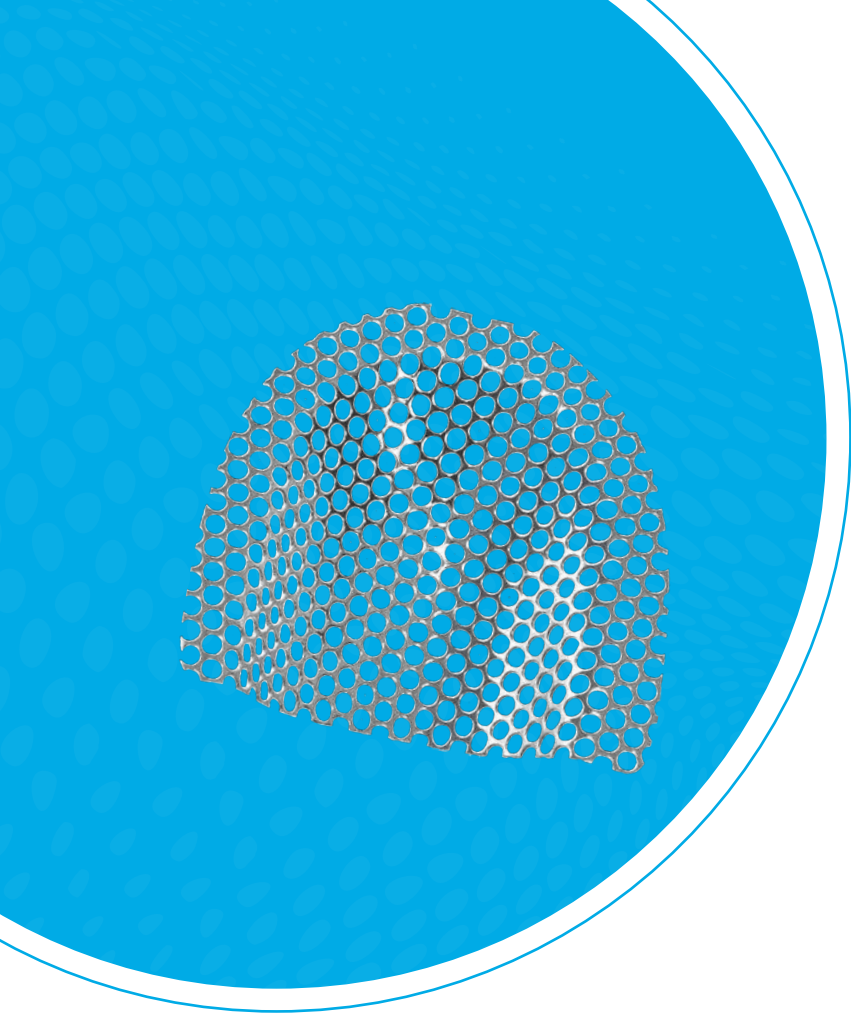
Crown Master forceps

Firm grip of crowns. Heat-resistant up to 200 °C / 392 °F.

REF 260-300-02

1 piece





Dentures

Proven product qualities

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From synthetic dental stone to grid strengthener

Products cover a range of applications from the fabrication of models to accessories for prosthetic dentistry. They all share the same high product quality.



Rapidur®

Synthetic dental stone, class 4

Page 272

Model gloss

Impregnation for demonstration models

Page 272

Separating medium

Thin, abrasion-resistant film

Page 273

Modelling wax, pink

Good modeling characteristics for wax-ups

Page 273

Grid strengtheners and wire mesh

Stainless steel or gold-plated stainless steel

Page 274

Tin foil

Spacer foil in various thicknesses

Page 275

Ultrasonic cleaning solutions

For use in ultrasonic cleaners

Page 275

Dentures

Dentures and accessories



Orthalgenat® Ex

Impression tray cleaner. For removing alginate and stone 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 dental stone, 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 stone demonstration models (e.g. Rapidur®, REF 164-450-00) for shiny, dust-repellent surfaces.

REF 166-450-00

4.5 kg

Separating medium

Special alginate-based separating medium that forms a thin, abrasive-resistant separating film.

Separates:

- dental stone from acrylic
- dental stone from dental stone

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	1.50 mm	pink	119-150-00	500 g



Dentures and accessories

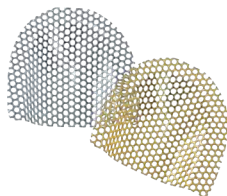
Flexaponal®, special wax

acc. to Uhlig

- for bite registration (as bite wafer or bite rim)
- for adhesive borders on impression trays
- soft, flexible and highly 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



Grid strengthener

anatomical

The large diameter of the perforations ensures excellent acrylic bond and stabilization of the denture base.

Material No.: 1.4301

Perforations ø: 2.5 mm

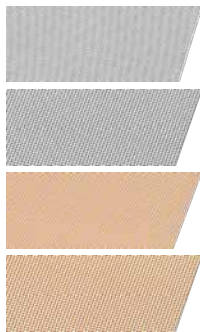
Thickness: 0.4 mm

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

Wire mesh

Material No.: 1.4301

Wire mesh: 10 cm x 10 cm



Material	Mesh version	REF	Quantity
stainless steel	fine	316-110-00	1 piece
stainless steel	coarse	317-110-00	1 piece
stainless steel, gold plated (24 carat)	fine	316-210-00	1 piece
stainless steel, gold plated (24 carat)	coarse	317-210-00	1 piece

Marking pencil

indelible

Color	REF	Quantity
black	043-800-00	1 piece
red	043-900-00	1 piece

**Marking pencil****Wax pencil**

Color: white

REF 043-700-00

6 pieces

**Matrix band**

on roll

Material No.: 1.4310

spring-hard

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

**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	280
Retainer	Page	284
Clasps	Page	286





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.

Stainless steel wires

remanium®

Page 280

Nickel-free* stainless steel wires

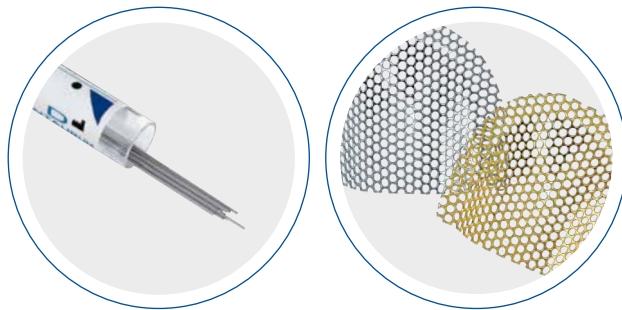
Noninium®

Page 282

CoCr wires

remaloy®

Page 283



* Nickel trace elements of $\leq 0.05\%$ are due to the process of manufacturing

Wires



remanium® straight wire, round

Material: stainless steel

Strength category: spring hard · 1800 N/mm² - 2000 N/mm²

Color-coded packaging: red

ø	Length	REF	Quantity
0.40 mm / 16	each 380 mm	525-040-00	25 pieces
0.50 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 300 mm	527-070-00	25 pieces
0.70 mm / 28	each 190 mm	527-005-00	900 pieces
0.70 mm / 28	each 150 mm	527-004-00	1100 pieces
0.75 mm / 30	each 380 mm	535-005-00	25 pieces
0.80 mm / 31	each 300 mm	527-080-00	25 pieces
0.80 mm / 31	each 150 mm	527-006-00	875 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



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



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

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

**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

**remanium® wire on 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	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



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



remanium® wire on coil, 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



Noninium® wire on coil, 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

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



Noninium® wire on coil, 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

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

remaloy® straight wire, round

Recommended for Quad Helix, Crozat appliances, palatal and lingual arches etc.

Can be heat treated · 450 °C / 842 °F for about 5 mins

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

**remaloy® straight wire, half-round**

Can be heat treated · 450 °C / 842 °F for about 5 mins

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

**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



Retainer



remaitan® 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



Titanium retainer wire, Ti1

For maxilla and mandible, 3-strand twisted.

Grade 1 indicates a very low oxygen content, a 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



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



Titanium retainer wire, Ti1

For maxilla and mandible, 3-strand twisted.

Grade 1 indicates a very low oxygen content, a 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



Aderer 3-prong pliers Extra-Mini sterilizable

For bending wires/arches for the fixed appliance technique.

Specially suited for bending NiTi wires/arches such as remaitan® LITE and Tensic®.

Max. wire thickness: ø 0.5 mm, hard,

✓ 0.48 mm x 0.64 mm / 19 x 25

Premium-Line · 10 year guarantee

REF 003-205-00	1 piece
----------------	---------

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

**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
----------------	--------------

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

**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
----------------	---------

**prime4me® RETAIN3R mandible***

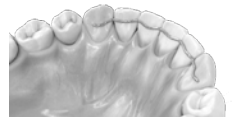
Unique fit using a three-dimensional construction design and

highest biocompatibility: milled retainer in Grade 5 titanium.

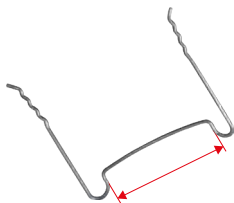
Can be ordered together with prime4me® RETAIN3R optionally:

Transfer tray for prime4me® RETAIN3R for placement in the mouth.

REF 430-120-40	1 piece
----------------	---------



Clasps



Noninium® standard labial arch

Material: nickel-free* stainless steel

Strength category: spring hard · 1800 N/mm² - 2000 N/mm²

ø	Length mesial-mesial	REF	Quantity
0.80 mm / 31	28 mm	621-028-01	10 pieces
0.80 mm / 31	31 mm	621-031-01	10 pieces
0.80 mm / 31	34 mm	621-034-01	10 pieces
0.80 mm / 31	37 mm	621-037-01	10 pieces
0.80 mm / 31	40 mm	621-040-01	10 pieces
0.80 mm / 31	43 mm	621-043-01	10 pieces
0.80 mm / 31	46 mm	621-046-01	10 pieces

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



Noninium® Adams clasps, assortment

Strength category: spring hard · 1800 N/mm² - 2000 N/mm²

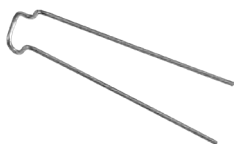
1 assortment = 250 pieces

Material: nickel-free* stainless steel

ø 0.70 mm / 28

REF 621-500-01	1 assortment
Contents:	
30 x Adams clasp, 7 mm	REF 621-404-01
30 x Adams clasp, 8 mm	REF 621-405-01
40 x Adams clasp, 9 mm	REF 621-406-01
60 x Adams clasp, 10 mm	REF 621-407-01
60 x Adams clasp, 11 mm	REF 621-408-01
30 x Adams clasp, 12 mm	REF 621-409-01
1 x ruler	REF 766-000-00

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



Noninium® Adams clasp

Material: nickel-free* stainless steel

Strength category: spring hard · 1800 N/mm² - 2000 N/mm²

ø	Length mesial-distal	REF	Quantity
0.70 mm / 28	7 mm	621-404-01	10 pieces
0.70 mm / 28	8 mm	621-405-01	10 pieces
0.70 mm / 28	9 mm	621-406-01	10 pieces
0.70 mm / 28	10 mm	621-407-01	10 pieces
0.70 mm / 28	11 mm	621-408-01	10 pieces
0.70 mm / 28	12 mm	621-409-01	10 pieces

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



Noninium® triangular clasp

Material: nickel-free* stainless steel

Strength category: hard · 1400 N/mm² - 1600 N/mm²

ø	Length	REF	Quantity
0.70 mm / 28	each 36 mm	621-300-01	100 pieces

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

Noninium® eyelet 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

* 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

* 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

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

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



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



Lingual bar

Anatomically shaped e.g. for bite 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



Strengthened

Twisted and rolled flat.

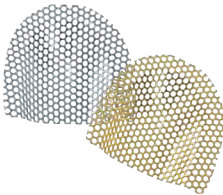
Material: stainless steel

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

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

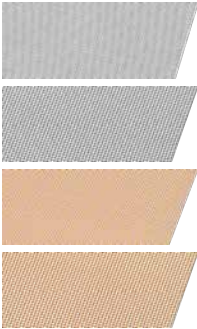


Material	REF	Quantity
stainless steel	318-004-00	10 pieces
stainless steel, gold plated (24 carat)	318-104-00	10 pieces

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

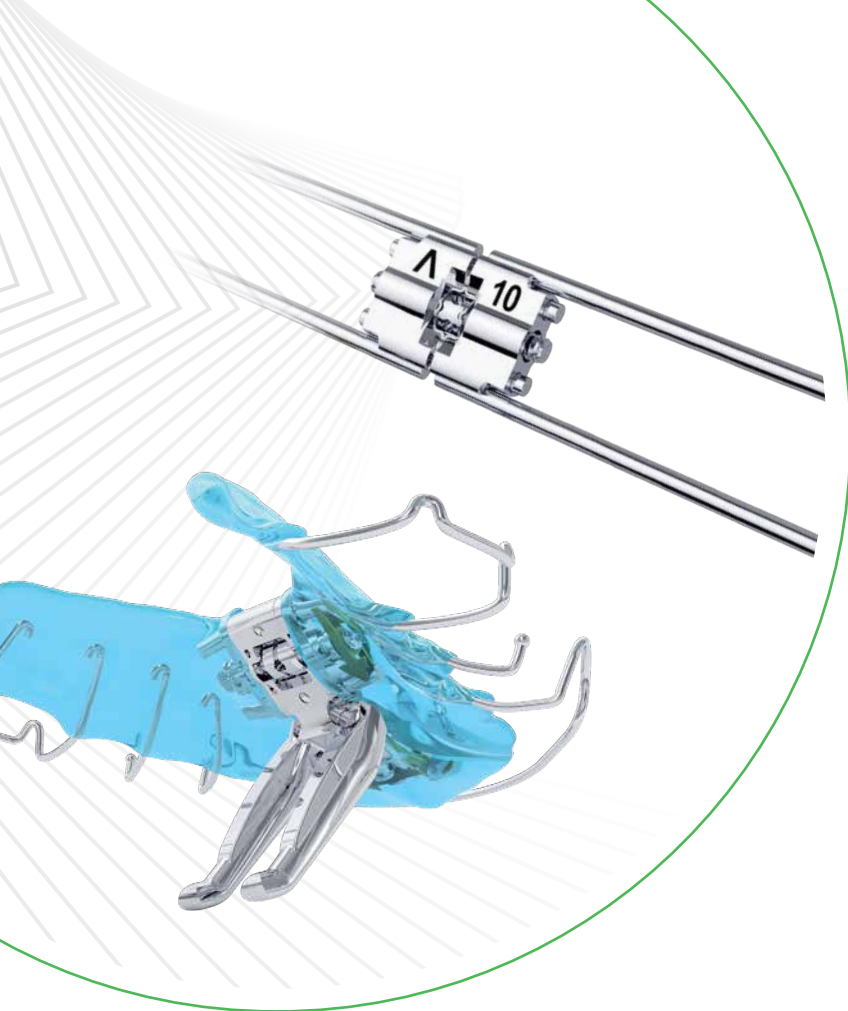


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Standard expansion screws	Page	294
Special expansion screws	Page	297
Variety expansion screws	Page	310
RPE screws	Page	314
Accessories	Page	320





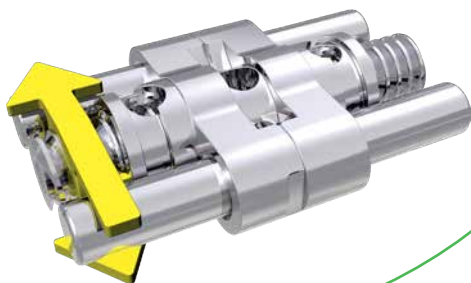
Expansion screws

Optimized in form, function and design

DENTAURUM
ONLINE SHOP
shop.dentaurum.com



Optimized 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 work 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 many
treatment techniques

Page 294

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

Latest generation of the
Sander appliance

Page 305

hyrax®

Special expansion screw for
palatal expansion

Page 317

hyrax® click

RPE screw with feature to prevent
unwanted reversing

Page 315

hyrax® neo

The alternative to the
classic hyrax® screw

Page 318

Titan hyrax®

The world's first RPE screw in titanium

Page 314

Variety

The versatile, multi-functional
special expansion screw

Page 312

Variety click

The special expansion screw with
feature against unwanted reversing

Page 310

Expansion screws

Standard expansion screws



Expansion screw Mini

Material: stainless steel

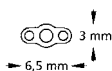
- with **cone-shaped or wide** expansion screw holder
 - skeleton design
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart once maximum expansion has been achieved
- With expansion screw key, standard (straight, small).

Indication: for transverse expansion and distalization in the mandible or for especially narrow maxillae

Directional arrow: Plastic, white

Maximum expansion	4 x 1/4 turn	REF (cone-shaped)	REF (wide)	Quantity
6.5 mm	= 0.7 mm	600-300-10	600-320-10	1 piece
6.5 mm	= 0.7 mm	600-300-30	600-320-30	10 pieces
6.5 mm	= 0.7 mm	600-300-60	600-320-60	100 pieces

→ 10 mm →



Expansion screw Medium

Material: stainless steel

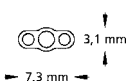
- with **cone-shaped or wide** expansion screw holder
 - skeleton design
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart once maximum expansion has been achieved
- With expansion screw key, standard (straight, small).

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

→ 11 mm →



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, standard (straight, small).

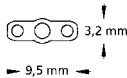
Indication: for transverse expansion in the maxilla

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



→ 11 mm →



Expansion screw Magnum

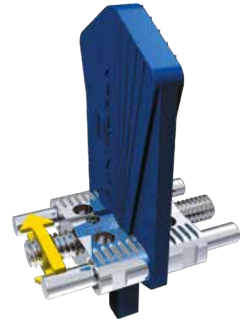
Material: stainless steel

- with **cone-shaped** expansion screw holder
 - skeleton design
 - version: extra strong, with larger screw body
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart once maximum expansion has been achieved
- With expansion screw key, standard (straight, small).

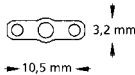
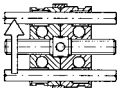
Indication: for transverse expansion in the maxilla and bimaxillary functional gnatho-orthopedic appliances

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



→ 14,5 mm →



Expansion screws

Standard expansion screws



rematitan® expansion screw Medium

Material: titanium

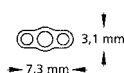
- with **cone-shaped** expansion screw holder
 - skeleton design
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart once maximum expansion has been achieved
- With expansion screw key, standard (straight, small).

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

→ 11 mm →



Trapezoidal expansion screw

Material: stainless steel

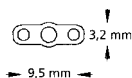
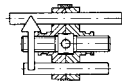
- with **cone-shaped** expansion screw holder
 - skeleton design
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart once maximum expansion has been achieved
- With expansion screw key, standard (straight, small).

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

→ 14,5 mm →
→ 11 mm →



Sectional screw Mini

Material: stainless steel

- with **wide** expansion screw holder
- skeleton design
- guide pin: 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



← 9,5 mm →



Sectional screw Mini

Material: stainless steel

- with **wide** expansion screw holder
- skeleton design
- guide pin: 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



← 9,5 mm →



Special expansion screws



Sectional screw Medium

Material: stainless steel

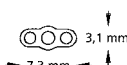
- with **cone-shaped** expansion screw holder
 - skeleton design
 - guide pin: **straight**, with mushroom head retention
 - holes in body of screws for better retention in acrylic
 - built-in stops prevent screws from coming apart once maximum expansion has been achieved
- With expansion screw key, standard (straight, small).

Indication: for 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

→ 12,5 mm ←



Sectional screw Medium

Material: stainless steel

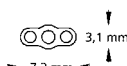
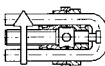
- with **cone-shaped** expansion screw holder
 - skeleton design
 - guide pin: U-shaped, **angulated facing down**
 - holes in body of screws for better retention in acrylic
- With expansion screw key, standard (straight, small).

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

→ 13 mm ←



Retraction screw Extra Mini

Material: stainless steel

- with **cone-shaped** expansion screw holder
- screw body: closed
- guide pin: U-shaped, straight

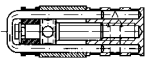
With expansion screw key, standard (straight, small).

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

← 13,5 mm →



Retraction screw Mini

Material: stainless steel

- with **cone-shaped** expansion screw holder
- screw body: closed
- guide pin: U-shaped, straight

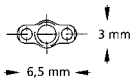
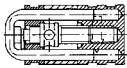
With expansion screw key, standard (straight, small).

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

← 13 mm →



Expansion screws

Special expansion screws



Retraction screw Medium

Material: stainless steel

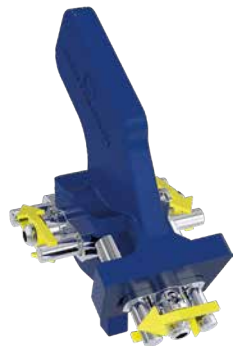
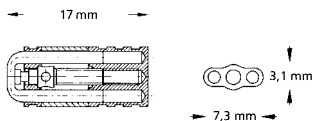
- with **cone-shaped** expansion screw holder
- screw body: closed
- guide pin: U-shaped, straight

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
4.5 mm	= 0.4 mm	600-600-30	10 pieces



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

Material: stainless steel

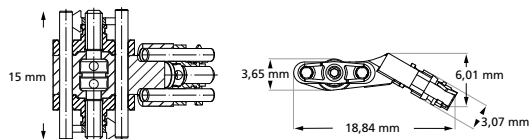
- anatomically angled multi-dimensional screw
- three independently controlled movements
- same total expansion per segment

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



NEW

Neo-Bertoni three dimensional screw – two movements (type B)

Material: stainless steel

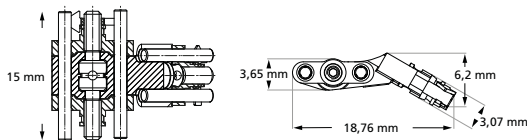
- anatomically angled multi-dimensional screw
- two independently controlled movements (symmetrical transverse expansion)
- same total expansion per segment

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



Neo-Bertoni 3D

Material: stainless steel

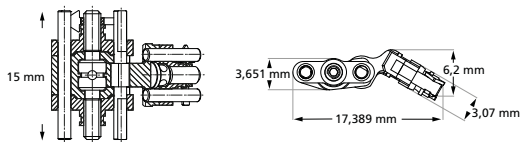
- anatomical, individually adjustable multi-dimensional screw
- front segment can be adapted individually to the palate
- two independently controlled movements (symmetrical transverse expansion)
- same total expansion per segment

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

Indication: for combined transverse and protrusion movements with Y plates

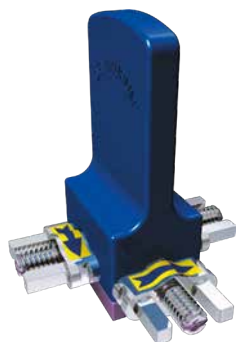
Directional arrow: Plastic, neon yellow

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



Expansion screws

Special expansion screws



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

Material: stainless steel

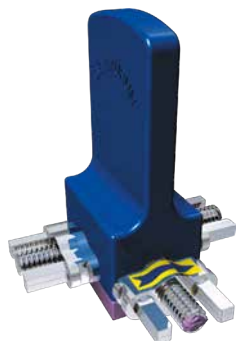
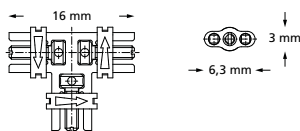
- strengthened guides
- three independently controlled movements
- same total expansion per segment

With expansion screw key, 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



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

Material: stainless steel

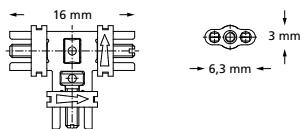
- strengthened guides
- two independently controlled movements (symmetrical transverse expansion)
- same total expansion per segment

With expansion screw key, 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



Three dimensional screw acc. to Steiner

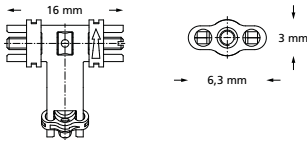
Material: stainless steel

- 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



Expansion screws

Special expansion screws



Fan-type expansion screw

Material: stainless steel

- with **wide** expansion screw holder
- plate sections are opened fanwise

With expansion screw key, 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

↔ 12 mm ↔



Mandibular bow screw acc. to Müller

Material: stainless steel

- with **cone-shaped** expansion screw holder
- minimal fan-type opening of the arch screw, according to the anterior arch

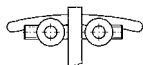
With expansion screw key, standard (straight, small).

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

↔ 20 mm ↔

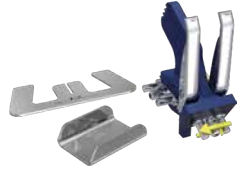


Neo-bite jumping appliance acc. to F.M. Sander*, set

Material: stainless steel

Patented, three-dimensional Bertoni expansion screw with guide ridges for forward thrust acc. to F.M. Sander*. The latest generation of the Sander appliance allows, alongside Class II/1 treatment, corrections in Class II/2 thanks to the sagittal expansion element.

REF 600-120-00	1 set
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



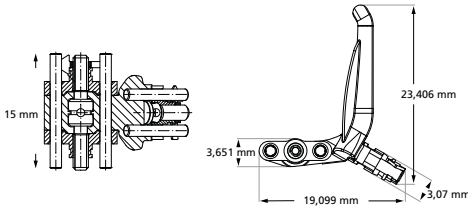
NEW

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



NEW



Neo-bite jumping appliance mounting template

acc. to Sander & Höbel

The angle to the occlusal plane can be adapted to each individual patient in combination with the slots at 55°, 60° and 65° in the expansion screw holder of the neo-bite jumping appliance.

REF 600-122-00	1 piece
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NEW



Neo-bite jumping appliance guide template

acc. to Sander & Höbel

To produce an inclined plane in the mandible.

REF 600-123-00	10 pieces
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NEW



Expansion screws

Special expansion screws



Flexible forward thrust double plate system acc. to Schaneng, set

Material: stainless steel

• flexible intermaxillary element

• maxillary screws (Maxi) with intermaxillary guide ridge for forward thrust double plate. Double loop, wax coated

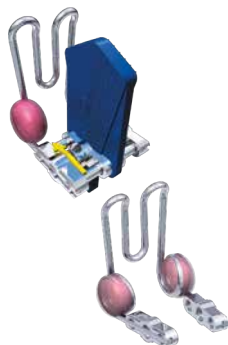
With expansion screw key, standard (straight, small).

Indication: for treatment of Angle Class II/1 (distoclusion), for advancement of the mandible

REF 600-000-00	1 set
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Contents:

3 x Guide ridge for flexible forward thrust double plate system acc. to Schaneng, with palatal expansion screw (Maxi)	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 (Maxi)	600-001-00	1 piece	600-001-30	10 pieces
without palatal expansion screw	600-002-00	1 piece	600-002-30	10 pieces



Guide ridge adapter for flexible forward thrust double plate system acc. to Schaneng

To produce the diagonal level in the mandibular.

Adapter	Width	REF	Quantity
narrow	14.0 mm	600-003-00	10 pieces
wide	18.0 mm	600-004-00	10 pieces



Locating template acc. to Schaneng

Locating template to produce the 60° angle of inclination.

Material: stainless steel

REF 600-005-00	1 piece
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Expansion screw for split activator

Material: stainless steel

- with **cone-shaped** expansion screw holder
- strengthened guides

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

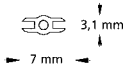
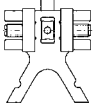
Indication: for separate expansion of maxilla and mandible

Directional arrow: printed, blue-yellow

Maximum expansion	4 x 1/4 turn	REF	Quantity
7.0 mm	= 0.8 mm	600-610-00	1 piece
7.0 mm	= 0.8 mm	600-610-30	10 pieces



→ 14,5 mm →



Expansion screw for progenia activator acc. to Weise

Material: stainless steel

- without expansion screw holder
- for fabricating horizontally split activators, which allow connection and shifting of both split planes
- stable connection of the maxillary plate with the mandibular plate using a strong U-shaped bar

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

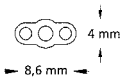
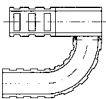
Indication: for the treatment of Angle Class III (progenia), for distal shifting of the mandible

Directional arrow: printed, blue-yellow

Maximum expansion	4 x 1/4 turn	REF	Quantity
5.0 mm	= 0.9 mm	603-000-00	1 piece



→ 14 mm →



Expansion screws

Special expansion screws



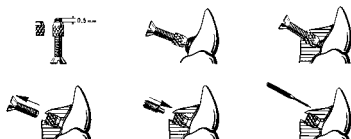
Piston spring screws, set

Material: stainless steel

- delicate design
- constant, elastic and finely controllable pressure on the tooth to be moved
- a protrusion of up to 7 mm can be attained according to the progress of treatment using three different lengths of screws (4 / 6 / 8 mm)

Indication: for movement of individual teeth

4 x 1/4 turn = 0.35 mm



REF 609-500-00

1 set

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



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



Positioning screw

For piston spring screw.

Required 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.

Embedded in acrylic or welded onto wire elements.

Material: stainless steel

Length	REF	Quantity
3.0 mm	609-200-30	10 pieces

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



Expansion screws

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 in the maxilla.

- perfect screw locking during the active treatment phase
- small dimensions with maximum expansion
- reliable activation / deactivation of the screw with clearly perceptible click after a $\frac{1}{4}$ turn
- break resistant retention legs and stable guidance throughout the entire expansion
- laser-marked arrow on the body of the screw indicates the opening direction and maximum expansion

Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Assembly dimension: 12.9 mm

Screw body: 9.6 mm

4 x $\frac{1}{4}$ turn = 0.8 mm

Material: stainless steel

Maximum expansion	REF (without retention legs)	REF (straight retention legs)	Quantity
8.0 mm	602-836-12	602-836-10	1 piece
8.0 mm	602-836-32	602-836-30	10 pieces



Variety click SP (small palate) 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 in the maxilla.

- perfect screw locking during the active treatment phase
- especially suitable for very narrow jaws
- retention legs can be bent very close to the screw body
- small dimensions with maximum expansion
- reliable activation / deactivation of the screw with clearly perceptible click after a $\frac{1}{4}$ turn
- break resistant retention legs and stable guidance throughout the entire expansion
- laser-marked arrow on the body of the screw indicates the opening direction and maximum expansion

Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Assembly dimension: 12.9 mm

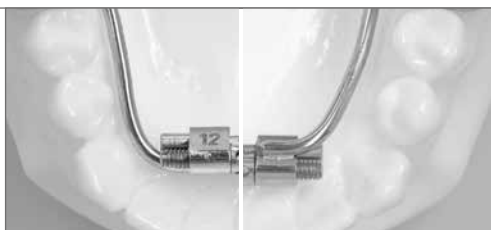
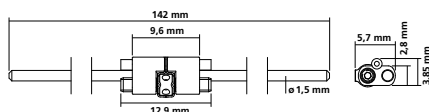
Screw body: 9.6 mm

4 x $\frac{1}{4}$ turn = 0.8 mm

Material: stainless steel

Maximum expansion	REF (without retention legs)	REF (straight retention legs)	Quantity
8.0 mm	602-838-12	602-838-10	1 piece
8.0 mm	602-838-32	602-838-30	10 pieces

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 in the maxilla.

- perfect screw locking during the active treatment phase
- small dimensions with maximum expansion
- reliable activation / deactivation of the screw with clearly perceptible click after a $\frac{1}{4}$ turn
- break resistant retention legs and stable guidance throughout the entire expansion
- laser-marked arrow on the body of the screw indicates the opening direction and maximum expansion

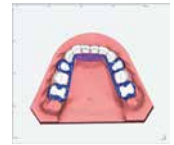
Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Assembly dimension: 17.2 mm

Screw body: 9.6 mm

4 x $\frac{1}{4}$ turn = 0.8 mm

Material: stainless steel



Maximum expansion	REF (without retention legs)	REF (straight retention legs)	Quantity
12.0 mm	602-837-12	602-837-10	1 piece
12.0 mm	602-837-32	602-837-30	10 pieces

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 in the maxilla.

- perfect screw locking during the active treatment phase
- especially suitable for very narrow jaws
- retention legs can be bent very close to the screw body
- small dimensions with maximum expansion
- reliable activation / deactivation of the screw with clearly perceptible click after a $\frac{1}{4}$ turn
- break resistant retention legs and stable guidance throughout the entire expansion
- laser-marked arrow on the body of the screw indicates the opening direction and maximum expansion

Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Assembly dimension: 17.2 mm

Screw body: 9.6 mm

4 x $\frac{1}{4}$ turn = 0.8 mm

Material: stainless steel



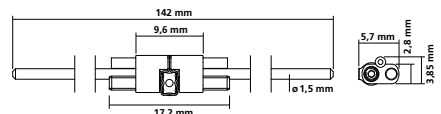
Maximum expansion	REF (without retention legs)	REF (straight retention legs)	Quantity
12.0 mm	602-839-12	602-839-10	1 piece
12.0 mm	602-839-32	602-839-30	10 pieces

Variety  **click**

Variety  **click SP**



Dimensions Variety click / Variety click SP Maxi – 12



Expansion screws

Variety expansion screws



Variety Mini – 8

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

- small dimensions with maximum expansion
- break resistant retention legs and stable guidance throughout the entire expansion
- the integrated spindle friction prevents unwanted reversing
- 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.

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 retention legs)	REF (straight retention legs)	Quantity
8.0 mm	602-815-12	602-815-10	1 piece
8.0 mm	602-815-32	602-815-30	10 pieces



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 in the maxilla.

- 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
- 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.

Assembly dimension: 12.9 mm

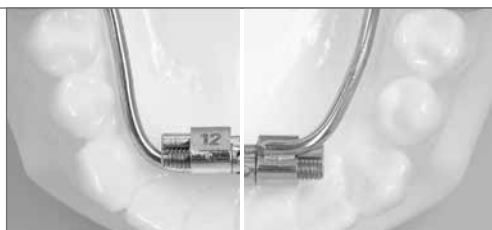
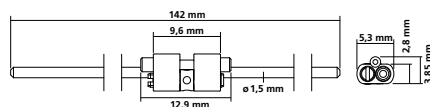
Screw body: 9.6 mm

4 x 1/4 turn = 0.8 mm

Material: stainless steel

Maximum expansion	REF (without retention legs)	REF (straight retention legs)	Quantity
8.0 mm	602-819-12	602-819-10	1 piece
8.0 mm	602-819-32	602-819-30	10 pieces

Dimensions Variety / Variety SP Mini – 8



Variety Maxi – 12

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

- small dimensions with maximum expansion
- break resistant retention legs and stable guidance throughout the entire expansion
- the integrated spindle friction prevents unwanted reversing
- 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.

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 retention legs)	REF (straight retention legs)	Quantity
12.0 mm	602-806-12	602-806-10	1 piece
12.0 mm	602-806-32	602-806-30	10 pieces

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 in the maxilla.

- 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
- 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.

Assembly dimension: 14.9 mm

Screw body: 9.6 mm

4 x 1/4 turn = 0.8 mm

Material: stainless steel



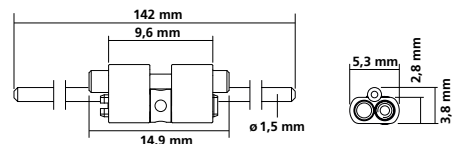
Maximum expansion	REF (without retention legs)	REF (straight retention legs)	Quantity
12.0 mm	602-809-12	602-809-10	1 piece
12.0 mm	602-809-32	602-809-30	10 pieces

Variety



Variety SP

Dimensions Variety / Variety SP Maxi – 12



RPE screws



Titan hyrax® Maxi – 12
RPE screw made 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.

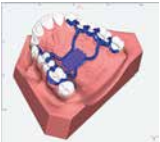
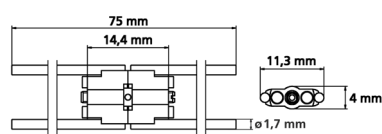
Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Screw body: 14.4 mm

4 x 1/4 turn = 0.8 mm

Material: titanium

Maximum expansion	REF (without retention legs)	REF (straight retention legs)	Quantity
12.0 mm	602-810-12	602-810-10	1 piece
12.0 mm	602-810-32	602-810-30	10 pieces



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



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.

- perfect screw locking during the active treatment phase
- reliable activation / deactivation of the screw with clearly perceptible click after a $\frac{1}{4}$ turn
- no accidental reversing when pulling out safety key during activation
- built-in stops prevent the screws from coming apart at the end of treatment
- small dimensions with maximum expansion range
- break-resistant retention legs and stable guidance throughout the entire expansion
- offset body for earliest possible angling of the retention legs
- laser-marked arrow on the body of the screw indicates the opening direction and maximum expansion

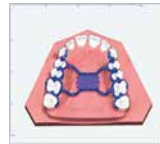
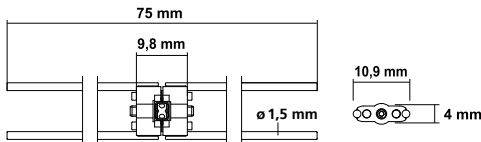
Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Screw body: 9.8 mm

4 x $\frac{1}{4}$ turn = 0.8 mm

Material: stainless steel

Maximum expansion	REF (without retention legs)	REF (straight retention legs)	REF (angulated retention legs)	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



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.

- perfect screw locking during the active treatment phase
- reliable activation / deactivation of the screw with clearly perceptible click after a $\frac{1}{4}$ turn
- no accidental reversing when pulling out safety key during activation
- built-in stops prevent the screws from coming apart at the end of treatment
- small dimensions with maximum expansion range
- break-resistant retention legs and stable guidance throughout the entire expansion
- offset body for earliest possible angling of the retention legs
- laser-marked arrow on the body of the screw indicates the opening direction and maximum expansion

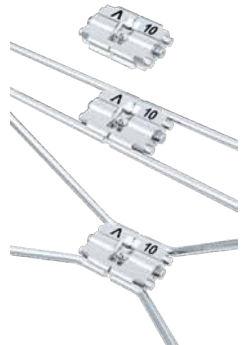
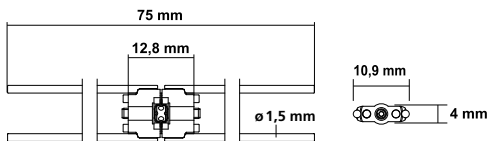
Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Screw body: 12.8 mm

4 x $\frac{1}{4}$ turn = 0.8 mm

Material: stainless steel

Maximum expansion	REF (without retention legs)	REF (straight retention legs)	REF (angulated retention legs)	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



Expansion screws

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.

- perfect screw locking during the active treatment phase
- reliable activation / deactivation of the screw with clearly perceptible click after a $\frac{1}{4}$ turn
- no accidental reversing when pulling out safety key during activation
- built-in stops prevent the screws from coming apart at the end of treatment
- small dimensions with maximum expansion
- break-resistant retention legs and stable guidance throughout the entire expansion
- offset body for earliest possible angling of the retention legs
- laser-marked arrow on the body of the screw indicates the opening direction and maximum expansion

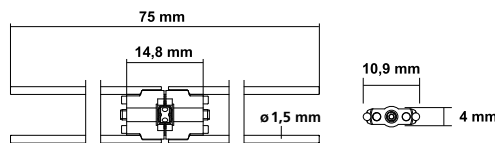
Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Screw body: 14.8 mm

4 x $\frac{1}{4}$ turn = 0.8 mm

Material: stainless steel

Maximum expansion	REF (without retention legs)	REF (straight retention legs)	REF (angulated retention legs)	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



tomas®-RPE eyelet

(coupling element for RPE screws)

Eyelet for direct coupling between tomas®-pin and 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

hyrax® Mini – 7

RPE screw

For rapid palatal expansion by means of fixed appliances.

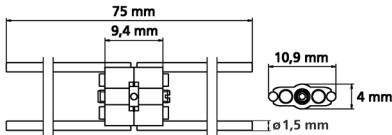
- built-in stops prevent the screws from coming apart once maximum expansion has been obtained
 - small dimensions with maximum expansion
 - break resistant retention legs and stable guidance throughout complete expansion
 - offset body for earliest possible angling of the retention legs
 - the integrated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

4 x 1/4 turn = 0.8 mm

Material: stainless steel

Maximum expansion	REF (without retention legs)	REF (straight retention legs)	REF (angulated retention legs)	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



hyrax® Medium – 10

RPE screw

For rapid palatal expansion by means of fixed appliances.

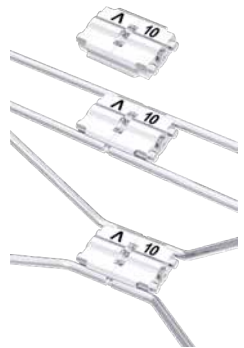
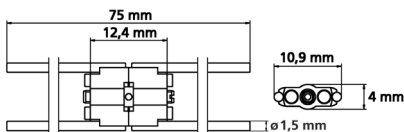
- built-in stops prevent the screws from coming apart once maximum expansion has been obtained
 - small dimensions with maximum expansion
 - break resistant retention legs and stable guidance throughout complete expansion
 - offset body for earliest possible angling of the retention legs
 - the integrated spindle friction prevents unwanted reversing
 - 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 retention legs)	REF (straight retention legs)	REF (angulated retention legs)	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



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 and stable guidance throughout complete expansion
- offset body for earliest possible angling of the retention legs
- the integrated spindle friction prevents unwanted reversing
- 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

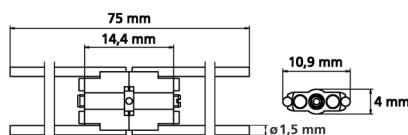
Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Screw body: 14.4 mm

4 x 1/4 turn = 0.8 mm

Material: stainless steel

Maximum expansion	REF (without retention legs)	REF (straight retention legs)	REF (angulated retention legs)	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



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 and stable guidance throughout complete expansion
- the integrated spindle friction prevents unwanted reversing
- 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

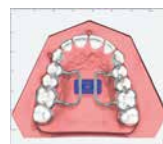
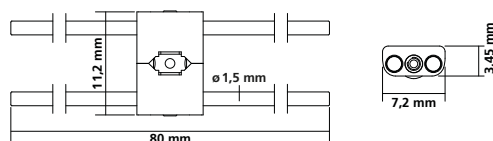
Pack (1 piece) with 1 safety key, pack (10 pieces) with 10 safety keys.

Screw body: 11.2 mm

4 x 1/4 turn = 0.8 mm

Material: stainless steel

Maximum expansion	REF (without retention legs)	REF (straight retention legs)	Quantity
7.0 mm	602-845-12	602-845-10	1 piece
7.0 mm	602-845-32	602-845-30	10 pieces



hyrax® neo Medium – 10

RPE screw

For rapid palatal expansion by means of a fixed appliance.

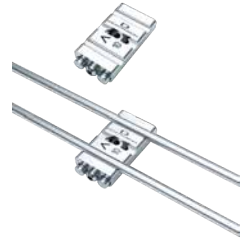
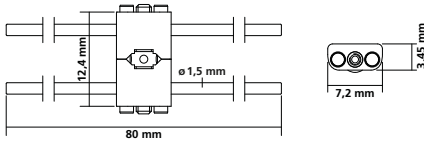
- (no active) expansion stop
 - small dimensions with maximum expansion
 - TAD-optimized design
 - break resistant retention legs and stable guidance throughout complete expansion
 - the integrated spindle friction prevents unwanted reversing
 - laser-marked arrow on the body of the screw indicates the 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 retention legs)	REF (straight retention legs)	Quantity
10.0 mm	602-846-12	602-846-10	1 piece
10.0 mm	602-846-32	602-846-30	10 pieces



hyrax® neo Maxi – 12

RPE screw

For rapid palatal expansion by means of a fixed appliance.

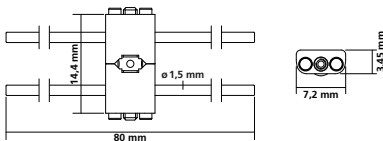
- (no active) expansion stop
 - small dimensions with maximum expansion
 - TAD-optimized design
 - break resistant retention legs and stable guidance throughout complete expansion
 - the integrated spindle friction prevents unwanted reversing
 - laser-marked arrow on the body of the screw indicates the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

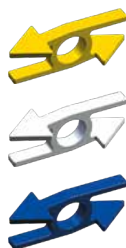
Maximum expansion	REF (without retention legs)	REF (straight retention legs)	Quantity
12.0 mm	602-847-12	602-847-10	1 piece
12.0 mm	602-847-32	602-847-30	10 pieces



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



Universal bending key

Easy bending of the retention legs of all hyrax® and Variety screws without using any additional pliers (leverage principle)..

Diameters: 1.6 mm and 1.8 mm

Material: stainless steel

REF 611-122-00	1 piece
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Safety key

Can be used with all Dentaureum hyrax and Variety screws.

For safe intra-oral activation of the expansion screws in fixed appliances.

REF 611-120-01	10 pieces
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Expansion screw key, standard straight, small

Can be used with all Dentaureum 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



Expansion screw key, large with elongated handle

Can be used with all Dentaureum expansion screws.

To activate all expansion screws in removable appliances (outside of the mouth).

Material: stainless steel

REF 611-116-00	1 piece
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Expansion screw sample kit

The kit includes a selection from Dentaaurum's large range of expansion screws and is for promotional and demonstration purposes only. The content of this kit is not certified for use on patients!

Filled with 27 expansion screws that are on stock, 2 expansion screw keys and 1 universal bending key. **1 set = 30 pieces.**

REF 612-000-00

1 set



Wedge gauge

For checking the gap width on palatal expanders.

REF 043-720-00

1 piece



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ONLINE SHOP
shop.dentaaurum.com



Orthocryl® LC	Page	330
Orthocryl® / Assortments	Page	332
Orthocryl® / Single packs	Page	333
Disco glitter	Page	335
Decals	Page	336
Accessories	Page	340
Appliance containers and accessories	Page	344





Orthodontic acrylics

Colorful diversity – proven processing quality

DENTAURUM
ONLINE SHOP
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The versatile acrylic system

Orthocryl® has been a constant in orthodontic laboratories for more than 60 years. It combines excellent product characteristics with 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 polymer, 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

Page 330

Orthocryl®

Tailored to the salt-and-pepper technique

Page 332

Orthocryl® Neon

Vivid colors

Page 333

Orthocryl® EQ

Tailored to the doughing technique

Page 333

Orthocryl® black & white

High-contrast, versatile

Page 333

A wide range of field-proven accessories

All from one source

Page 340



Orthocryl® LC

The light-curing acrylic for orthodontics

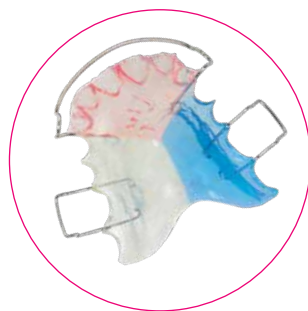
Anything but ordinary

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:

- Easy to use
- Saves time and material
- Perfectly coordinated 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.

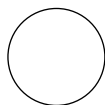
Orthocryl® LC is available in transparent, pink and blue. Adding Disco glitter or decals from the extensive Orthocryl® program makes each appliance unique.



Our variety of colors



Orthocryl® LC



clear
160-401-00



transparent pink
160-402-00



blue
160-404-00

Orthocryl® color concentrates



red
161-620-00



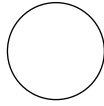
blue
161-622-00

Orthocryl® black & white



black

160-011-00



white

160-012-00

Orthocryl®



red

161-127-00



green

161-128-00



blue

161-129-00



yellow

161-130-00



turquoise

161-131-00



pink

161-132-00



emerald green

161-133-00



violet

161-134-00



clear

161-100-00



transparent
pink

161-300-00

Orthocryl® Neon



neon yellow

161-135-00



neon orange

161-136-00



neon pink

161-137-00



neon green

161-138-00



neon blue

161-139-00

Orthocryl® LC



Orthocryl® LC starter set
Light-curing acrylic.

REF 160-400-00	1 set
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
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



Bite paste

For Orthocryl® LC.
Color: transparent

REF 160-410-00

50 g



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



Orthodentic acrylics

Orthocryl® / Assortments



Orthocryl® starter set, clear

REF 161-912-00	1 set
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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



Orthocryl® multi-colored palette, assortment

REF 160-600-00	1 assortment
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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 polymer with wide range of processing options for 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
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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 polymer with wide range of processing options for 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



Orthocryl® EQ

Powder (polymer)

Cold curing polymer with wide range of processing options for 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



Orthocryl® black & white

Powder (polymer), opaque

Cold curing polymer with wide range of processing options for 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



Orthocryl® Neon

Brightly colored acrylic

Liquid (monomer)

Brightly colored Orthocryl® liquid (monomer) for producing brightly colored orthodontic appliances. Cold curing polymer with wide range of processing options for 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



Orthodontic acrylics

Orthocryl® / Single packs



Orthocryl®

Liquid (monomer)

Cold curing polymer with wide range of processing options for 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



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

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 added as desired to the Orthocryl® powder (polymer) to give the appliance an attractive luster. No change in the normal 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



Decals



Decals, assortment

For removable orthodontic appliances. For polymerizing into Orthocryl® acrylic. Each appliance can therefore be individualized.

Contents:

Assortment consists of 20 individual designs
20 pieces each = 400 pieces, incl. tweezers.

REF 160-100-00

1 assortment

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 removable orthodontic appliances. For polymerizing into Orthocryl® acrylic. Each appliance can therefore be individualized.

Motif	REF	Quantity
Football	160-100-39	1 sheet = 20 pieces



Decal Beaver

For removable orthodontic appliances. For polymerizing into Orthocryl® acrylic. Each appliance can therefore be individualized.

Motif	REF	Quantity
Beaver	160-100-40	1 sheet = 20 pieces



Decals Black Edition

For removable orthodontic appliances. For polymerizing into Orthocryl® acrylic. Each appliance can therefore be individualized.

Motif	REF	Quantity
Black Edition	160-100-41	1 sheet = 12 motifs

Decal

For removable orthodontic appliances. For polymerizing into Orthocryl® acrylic. Each appliance can therefore be individualized.

Motif	REF	Quantity
Hello Beaver	160-100-42	2 sheets = 20 pieces
Horse	160-100-43	2 sheets = 20 pieces
Pink Pony	160-100-44	2 sheets = 20 pieces
Unicorn	160-100-46	2 sheets = 20 pieces

**Decal**

For removable orthodontic appliances. For polymerizing into Orthocryl® acrylic. Each appliance can therefore be individualized.

Motif	REF	Quantity
Crocodile	160-100-01	20 pieces
Frog	160-100-02	20 pieces
Parrot	160-100-04	20 pieces



Decals

Decal

For removable orthodontic appliances. For polymerizing into Orthocryl® acrylic. Each appliance can therefore be individualized.



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

Decal

For removable orthodontic appliances. For polymerizing into Orthocryl® acrylic. Each appliance can therefore be individualized.

Motif	REF	Quantity
Teddybear	160-100-16	20 pieces
Mushrooms	160-100-18	20 pieces
Car	160-100-19	20 pieces
Raven	160-100-27	20 pieces
Spider	160-100-28	20 pieces
Devil	160-100-29	20 pieces
Graffiti	160-100-30	20 pieces
Soccer Player	160-100-31	20 pieces
Mouse	160-100-45	20 pieces
Dolphin	160-100-34	20 pieces



Accessories



Spray bottle

For powder (polymer) and liquid (monomer).

Capacity	REF	Quantity
100 ml	162-100-00	1 piece



Spray nozzle for Orthocryl® liquid (monomer)

Inner ø	Length	REF	Quantity
0.40 mm	10 mm	162-752-00	12 pieces



Spray nozzle for Orthocryl® powder (polymer)

REF 162-751-00	1 piece
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Mixing bowl

Flexible, with suction base. For all mixing jobs in the practice and laboratory.

Do not use with silicone materials!

Material: silicone

Capacity	REF	Quantity
5 ml	162-501-00	3 pieces
25 ml	162-502-00	1 piece
75 ml	162-503-00	1 piece



Funnel for powder and liquid

REF 162-600-00	1 piece
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Measuring beaker for powder and liquid

REF 162-200-00	1 piece
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Dispensing pipette

For Orthocryl® color concentrates.

REF 162-101-00	10 pieces
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Separating medium

Special alginate-based separating medium that forms a thin, abrasive-resistant separating film.

Separates:

- dental stone from acrylic
- dental stone from dental stone

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

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



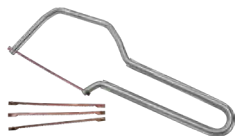
Sticky wax

- 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 to hold the model precisely in occlusion. Double round cylindrical guides. Models in dental stone can easily be removed and replaced.

REF 072-004-00

1 piece



Polyclav®

Pressure vessel for polymerization of cold-curing polymers, such as Orthocryl®, 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



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



Tap

For 5 kg canister.

REF 108-716-00

1 piece



Appliance containers and accessories



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 container, football

Universal size for removable upper appliances, bimaxillary appliances and function regulators incl. snap hook.

Material: Plastic (dimensionally stable and impact resistant)

Color	REF	Quantity
black-white	163-805-01	10 pieces



Snap hook

For attaching the appliance container to a belt loop.

REF 163-801-00	10 pieces
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Cord with safety lock

For appliance containers, printed with Dentaaurum.

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



Premium-Line pliers	Page	350
Pliers and instruments	Page	354
Accessories	Page	355





Pliers and instruments

Premium quality – premium function

DENTAURUM
ONLINE SHOP
shop.dentaurum.com





Premium line pliers from Dentaureum – precision and reliability for your daily work

The Premium line pliers from Dentaureum combine quality and durability for use in dental prosthetics and orthodontics. They are made of stainless steel which makes them resilient and robust. They are easy to work with thanks to their ergonomical design and have reliable cutting and gripping forces. A reliable choice for professionals.



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". As a result, Dentaureum's Premium-Line pliers are extra long-lasting*.





PREMIUMLINE

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

Pliers in sturdy construction with one cone and one pyramid shaped beak.

Max. wire thickness: $\varnothing$ 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 003-139-00

1 piece



Angle wire bending pliers sterilizable

Pliers in sturdy construction with one cone and one pyramid shaped beak. Inserts made of hard metal.

Max. wire thickness: $\varnothing$ 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 004-139-00

1 piece



Hollow chop pliers Medium

For bending small springs, eyelets and loops.

Max. wire thickness: $\varnothing$ 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 003-053-00

1 piece



Hollow chop pliers Maxi

For bending springs, loops and space maintainers.

Max. wire thickness: $\varnothing$ 0.8 mm, hard

Premium-Line · 10 year guarantee

REF 003-233-00

1 piece



Ruhland loop forming pliers Magnum

For bending coffin springs and connecting springs, labial bows and U-loops.

Max. wire thickness: $\varnothing$ 1.1 mm, hard

Premium-Line · 10 year guarantee

REF 001-650-00

1 piece



Adams pliers Medium

With two smooth, rectangular beaks. **With guiding grooves.**

Length: 12.0 cm

Max. wire thickness: $\varnothing$ 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 003-514-00

1 piece

Adams pliers Medium

With two rectangular beaks.
Hard metal coated working faces.

Length: 12.0 cm

Max. wire thickness: $\varnothing$ 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 003-515-00

1 piece



Adams pliers Medium

With two smooth, rectangular beaks.
Inserts made of hard metal. With guiding groove.

Length: 12.0 cm

Max. wire thickness: $\varnothing$ 0.7 mm, spring hard

Premium-Line · 10 year guarantee

REF 004-515-00

1 piece



Adams pliers Maxi

With two smooth, rectangular beaks.

Length: 14.5 cm

Max. wire thickness: $\varnothing$ 0.8 mm, hard

Premium-Line · 10 year guarantee

REF 003-094-00

1 piece



Adams pliers Medium

With one rectangular and one rounded beak,
smooth on the inside.

Length: 14.0 cm

Max. wire thickness: $\varnothing$ 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 003-516-00

1 piece



Adams pliers Maxi

With one rectangular and one rounded beak,
smooth on the inside. Inserts made of hard metal.

Length: 16.0 cm

Max. wire thickness: $\varnothing$ 0.8 mm, hard

Premium-Line · 10 year guarantee

REF 004-095-00

1 piece



Wire bending pliers, wide

Serrated tips. With guiding groove.

Max. wire thickness: $\varnothing$ 0.8 mm, hard

Premium-Line · 10 year guarantee

REF 033-452-00

1 piece



Premium-Line pliers



Wire bending pliers Maxi

Serrated tips. With guiding groove. Universal bending and cutting pliers. Inserts made of hard metal.

Max. wire thickness: $\varnothing$ 0.9 mm, hard

Cuts up to: $\varnothing$ 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 013-522-00

1 piece



Universal wire bending pliers

With serrated tips and guiding grooves.

Hard metal coated working faces.

Max. wire thickness: $\varnothing$ 0.8 mm, hard

Premium-Line · 10 year guarantee

REF 003-290-00

1 piece



Pointed beak pliers

Smooth beaks with guiding groove.

Inserts made of hard metal.

Max. wire thickness: $\varnothing$ 0.7 mm, spring hard

Premium-Line · 10 year guarantee

REF 004-455-00

1 piece



Pointed beak pliers

Serrated beaks with guiding groove. Finely pointed.

Max. wire thickness: $\varnothing$ 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 035-455-00

1 piece



Young loop pliers

Universal pliers for bending different-sized loops.

Ideal for labial bows.

Max. wire thickness: $\varnothing$ 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 012-074-00

1 piece



Aderer 3-Prong pliers Mini

Length: 12.5 cm

Max. wire thickness: $\varnothing$ 0.7 mm, hard

Premium-Line · 10 year guarantee

REF 003-201-00

1 piece

Premium-Line pliers

Aderer 3-Prong pliers Medium

Length: 12.5 cm

Max. wire thickness: 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



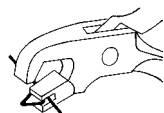
Arrow clasp bending pliers

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



Pliers and instruments



Heavy gauge side cutter Magnum

Little force required for cutting through large size wires due to special design.

We recommend not using the front third of the cutters for cutting wires with the maximum indicated thickness!

Max. wire thickness: $\varnothing$ 1.3 mm, hard

REF 044-177-00

1 piece



Scissors

For cutting thin steel 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



Crown Master forceps

Firm grip of crowns. Heat-resistant up to 200 °C / 392 °F.

REF 260-300-02

1 piece



Model and casting ring tongs

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

Length: 36.0 cm

REF 127-410-00

1 piece

Maintenance and protection oil

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

REF 055-201-00

50 ml



Stand for wires and pliers, combined

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



Welding units and accessories	Page	362
Casting unit and accessories	Page	372
Accessories for surveying equipment	Page	374
Accessories for electric wax knife	Page	376
Model trimmer and accessories	Page	377
Pressure vessel and suction unit	Page	378
Blasting abrasive	Page	379
Miscellaneous	Page	380





Equipment

For professional and precise workmanship

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ONLINE SHOP
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Certified quality made in Germany

Dentaurum equipment meets the high 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

Page 362

Laser Welder SL10The entry-level model,
ideal for orthodontics

Page 363

Spot welding unit

Assistent 3000

Page 368

megapuls compact

Compact, high frequency casting unit

Page 372

Dual wheel model trimmerBeautiful models –
trimmed quickly and neatly

Page 377

Dentaurum laser technology

Professional and precise welding
in dental prosthetics
for more than 30 years

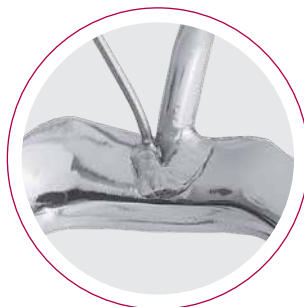
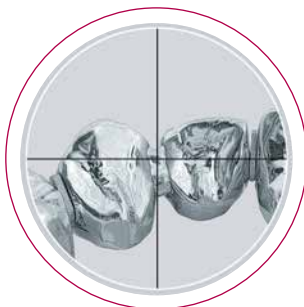


Laser welding – the professional joining technique

Dentaurum has provided equipment and know-how in laser welding for more than 30 years. A more efficient method of working which saves up to 80% in time compared with traditional soldering. New fabrications and repairs can be carried out better and faster by using a dental laser.

Your advantages:

- gentle on materials
- biocompatible
- corrosion resistant.



Very high 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 Dentaaurum.

Ergonomics – extremely user-friendly

A special characteristic feature of the Dentaaurum 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.
- The workpiece is always flushed with argon through the argon nozzle. This ensures an oxidation-free weld with high stability.
- The desktop Compact fulfills the high 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
200 V~ - 240 V~	090-578-50	1 piece

Technical data

Pulse energy	50 J
max. power	60 W
Peak pulse output	5000 W
Pulse frequency	single pulse - 25 Hz
Pulse duration	0.5 ms - 20 ms
Welding spot diameter	0.2 mm - 2.0 mm, infinitely variable motorized adjustment
Extraction	integrated with suspended particle filter
Air nozzle	integrated in welding chamber
Argon nozzle	1 x flexible, 1 x fixed retractable
Pulse shaping	4 pre-set pulse shapes
Memory settings	39
Microscope	stereo microscope with 16x magnification
Lighting	2 x 3.2 W LED
max. working height	88 mm
Power frequency	50 Hz - 60 Hz
Electric fuse	T 16 A
Weight	42 kg
Dimensions (W x H x D)	510 mm x 500 mm x 630 mm

desktop Compact

Laser welding – powerful and easy to handle.

30 years of dental laser welding technique combined in one 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 dimensions were not available in this laser performance category. Simple machine operation prevents fatigue during work.

Advantages:

- compact table top unit
- clear and user-friendly with 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 tiltable
- large pulse adjustment range – easy operation using joysticks
- integrated extraction and cool air nozzle

Further product information is available on request.

Welding units and accessories

Laser Welder SL10

The Laser Welder SL10 from Siro Lasertec complements the desktop Compact as an economical entry-level model for the laser welding technique. It is ideal for smaller dental laboratories and orthodontic practices.

Product advantages:

- excellent price-performance ratio
- large color touch display
- particularly suitable for orthodontic appliances
- welding power suitable for all fields of dentistry
- easy to operate
- with microscope
- solid metal 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

Pulse energy	33 J
max. power	60 W
Peak pulse output	3800 W
Pulse frequency	0,5 Hz - 20 Hz
Pulse duration	0.1 ms - 10 ms
Welding spot diameter	0.2 mm - 2.0 mm, infinitely variable motorized adjustment
Extraction	integrated with suspended particle filter
Argon nozzle	1 x flexible
Pulse shaping	no
Microscope	stereo microscope with 16x magnification
Lighting	2 x 3 W LED
max. working height	200 mm
Protective gas	Argon 99.996 % (Argon 4.6)
Power frequency	50 Hz / 60 Hz
Electric fuse	T 16 A
Weight	40.5 kg
Dimensions (W x H x D)	440 mm x 480 mm x 600 mm

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Welding units and accessories



Electrically adjustable stand

The ergonomic answer with the Dentaureum desktop laser-welding units.

Advantages:

- the electrically adjustable stand enables the technician to change the height to their comfort level, via a foot switch, within seconds. This offers the most comfortable viewing level, and assures full concentration on the laser work
- can be used with all Dentaureum 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 filler 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

Composition (percentage by mass)

Co	Cr	Mo
65.0	28.0	5.5

Additional elements < 1 %: Mn, N, Si



NiCr welding wire

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

Norm: DIN EN ISO 28319

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

Composition (percentage by mass)

Ni	Cr	Mo	Nb
63.0	22.0	9.0	3,5

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

**rematitan® wire on coil**

Titanium grade 1

For laser welding of titanium frameworks.

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

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

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

**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



Welding units and accessories



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



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



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 and in focus, the laser beam is aimed at the titanium disc and the crosshair can be aligned with that particular point.

REF 090-525-00	1 piece
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Titanium disc

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

REF 090-526-00	5 pieces
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Welding units and accessories

Paralas

Parallelometer / fixator 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 set



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 Assistant 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
 - incorrect electrodes
- connection for hand electrode
- connection for foot switch

Hand electrodes, holder for hand electrodes and foot switch are not included!

Power voltage	REF	Quantity
110 V~ / 240 V~	078-000-00	1 piece

Technical data

Output	140 W
Welding power	up to 2000 A
Welding stages	6 stages
Soldering stages	2 stages, continuous soldering
Electric fuse	T 3.15 A
Power frequency	50 Hz / 60 Hz
Weight	8 kg
Dimensions (W x H x D)	335 mm x 130 mm x 310 mm

Welding units and accessories

Foot switch

Suitable for the spot welding units Junior 3000, Assistant 3000 and Master 3000.

REF 080-116-00

1 piece

**Hand electrode**

Suitable for all Dentaaurum spot welding units.

REF 081-101-00

1 piece

**Holder for hand electrode**

For the spot welding units Junior 3000, Assistant 3000 and Master 3000.

Version	REF	Quantity
for right and left side	081-204-00	2 pieces
for right side	081-205-00	1 piece
for left side	081-206-00	1 piece

**Soldering carbon for hand electrode**

Suitable for all Dentaaurum spot welding units.
Copper casing.

REF 081-601-00

1 piece

**Electrode, notched, for hand electrode**

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

REF 081-501-00

2 pieces

**Clamping electrode for hand electrode**

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

REF 081-701-00

1 piece



Welding units and accessories

Welding electrode

Suitable for all Dentaureum spot welding units.

Material: copper



Welding electrode	Version	REF	Quantity
upper	round, fine	085-000-00	1 piece
upper	wide, flat	085-100-00	1 piece
upper	round, thick	085-200-00	1 piece
lower	round, fine	086-000-00	1 piece
lower	wide, notched	086-100-00	1 piece
lower	round, thick	086-200-00	1 piece
lower	wide, flat	086-300-00	1 piece



Soldering electrode

Suitable for all Dentaureum spot welding units.

Carbon with holder.

REF 085-300-00

1 piece



Carbon insert

For soldering electrode (REF 085-300-00).

REF 085-400-00

10 pieces



Screw

For tightening electrodes on Dentaureum 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
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Dentaflux® flux

- universal flux
 - for all standard alloys
 - especially for connections between precious and non-precious alloys
- Color: brown

REF 681-100-00	50 g
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Universal silver solder

- in rods
- ready fluxed
- cadmium-free

Not permitted for intra-oral use.

Ø	1.00 mm - 1.10 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.

Ø	0.60 mm
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
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Composition (percentage by mass)

Au	Ni	Zn
77.0	16.0	6.0



Casting unit and accessories



megapuls compact

The megapuls compact is a compact, high frequency, centrifugal casting unit. Can be used for all types of casting requirements within the dental laboratory from non-precious metal alloys to precious metal alloys (except titanium). Easy operation and high centrifugal strength aid in producing perfect casting results including detailed technical work.

Advantages:

- compact, high frequency casting machine
- very short melting cycles due to strong performance, the casting arm quickly comes to a halt
- capable of casting 15 times in succession
- short melting times: e.g. CoCr model casting approx. 40 s
- easy operation
- high centrifugal strength
- casting performance can be adjusted continuously
- 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



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
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Graphite insert

For crucible (REF 090-610-00 and REF 090-611-00).

Field of use: precious metal alloys

REF 090-615-00	10 pieces
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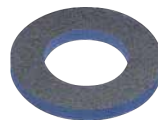
Casting unit and accessories

Ceramic seal

For rematitan®, rematitan® autocast and autocast universal® 230 casting machines.

- asbestos free
- high temperature resistant casting ring seal

REF 090-012-60	100 pieces
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Crucible for titanium casting machines

For rematitan®, rematitan® autocast and autocast universal® 230 casting machines.

Material: copper

REF 090-110-00	1 piece
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Receptacle for alloys

For autocast universal® casting machine.

REF 090-160-00	1 piece
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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
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Equipment

Accessories for surveying equipment



Analyzing rod
For Paratherm and Paralane.

REF 094-287-00	1 piece
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Graphite holder
For Paratherm and Paralane.

REF 094-288-00	1 piece
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Replacement graphite marker
For Paratherm and Paralane.

REF 094-289-00	10 pieces
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Undercut gauge
For Paratherm and Paralane.

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

**Wax knife, electric**

For connection to the Paratherm unit. The models to be blocked-out can be waxed directly on the unit. Anatomically shaped wax knife.

Scope 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
- easy and secure mounting of models
- large base
- stainless steel
- clean and sturdy construction

REF 086-340-60

1 piece



Accessories for 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
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Model trimmer and accessories

Dual wheel model trimmer

For plaster models.

Coarse and fine corundum grinding wheels. Can be used on either side and be replaced. Separately controlled motor switches with 450 W capacity.

Water input can be individually regulated. Automatically controlled water pressure by means of 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 Dentaureum dual wheel model trimmer (REF 091-100-00).

Grain size	REF	Quantity
46 = coarse	091-101-00	1 piece
120 = fine	091-102-00	1 piece



Diamond disc, coarse

For Dentaureum dual wheel model trimmer (REF 091-100-00).

- long service life
- extremely high abrasive capacity
- minimal force required

REF 091-105-00	1 piece
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Equipment

Pressure vessel and suction unit



Polyclav®

Pressure vessel for polymerization of cold-curing polymers, induction-compatible.

With safety valve.

Without pressure hose.

Capacity: 4.5 l

REF 070-010-00

1 piece



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 material in sandblasters
- for surface conditioning with metal surfaces

Color: white

Grain size	Grain size	REF	Quantity
50	44 μm - 74 μm	128-017-00	4.5 kg
100	88 μm - 125 μm	128-020-00	4.5 kg
250	210 μm - 297 μm	128-016-00	10 kg
400	354 μm - 500 μm	128-015-00	10 kg

Dentaurem corundum satisfies the blasting medium requirements of the profession and national health and safety regulations.



Blasting abrasive

corundum

For removing investment in sandblasters.

Color: brown

Grain size	Grain size	REF	Quantity
250	210 μm - 297 μm	128-011-00	10 kg
500	420 μm - 595 μm	128-010-00	10 kg



Polishing beads

hardened silicate

- uniform hardness, high durability
- for clean, polished, contamination-free surfaces
- no metal removal
- 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 like 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

remanium® kompendium	Page	384
o-atlas II	Page	386
Online media library	Page	388
Download center	Page	390
Social Media	Page	392





Knowledge

The key to success

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remanium® kompendium

Compiled by dental technicians for dental technicians

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 remanium® kompendium series. The individual chapters of the remanium® kompendium complement one another but are nevertheless self-contained. Practical working stages are documented image by image 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 2: Cast partial dentures

Available online

Chapter 3: Milling-technique made of
remanium® alloys

Available online





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.



Chapter 3: Milling-technique made of remanium® alloys

The third part includes the most important areas of prosthetic applications which can be used for fabricating removable restorations. All techniques are clearly illustrated including the telescope technique and other types of attachment, bar or lock restorations.





The reference guide for
removable orthodontic appliances

Atlas of removable orthodontic appliances

In a fully revised, extended edition with new images, Ursula Wirtz presents all of the important removable orthodontic appliances.

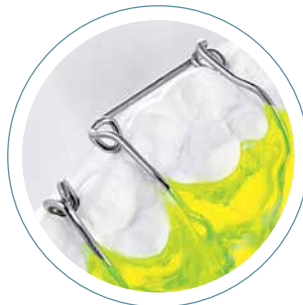
It is a standard reference work designed as a work and study aid and is widely illustrated. It serves as a comprehensive reference guide for both orthodontists and dental technicians.

The o-atlas II gives clear, precise information on how to make an orthodontic appliance. The new edition is characterized by its pleasing, modern design.

- Approx. 390 pages with more than 1000 illustrations as hardback.
- 235 different orthodontic appliances are shown and described. The o-atlas II includes 44 new orthodontic appliances.
- More than 800 images have been replaced with new images of high quality.
- A 360 degree product view of the 50 most interesting orthodontic appliances is available online at www.o-atlas.com.
- Intelligent connection between print and online media in the o-atlas II.

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Book – Polish	on request



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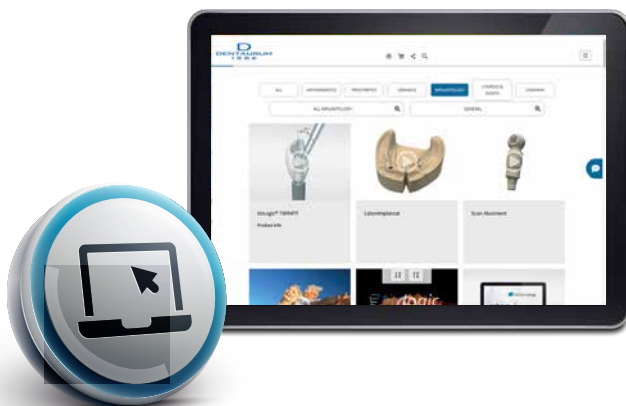
Videos and tutorials

See how it works

You can find video clips and animations in best quality and with valuable tips and tricks explaining step-by-step how to use our products at www.dentaurum.com.



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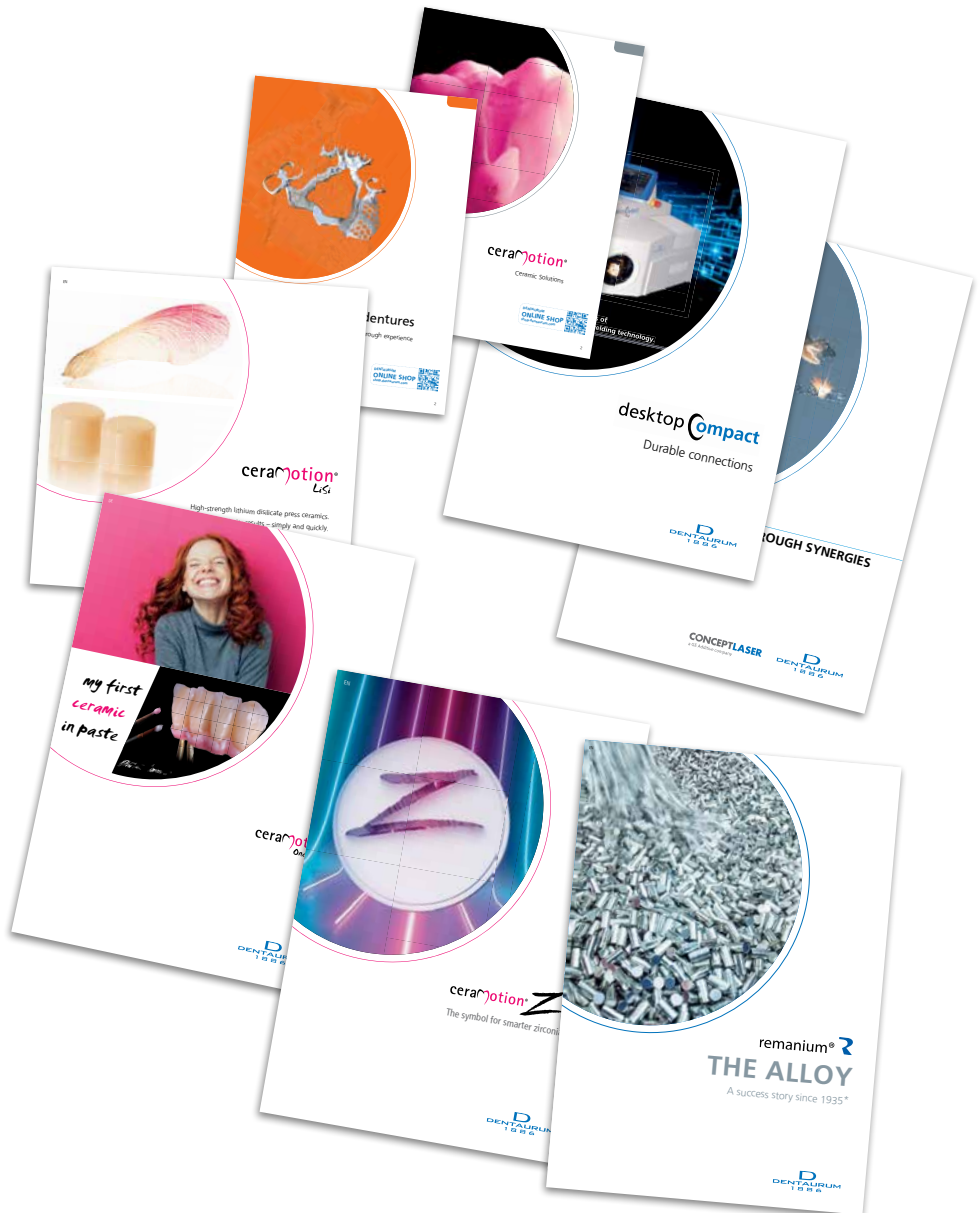
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Seminars	Page	396
Webinars	Page	398





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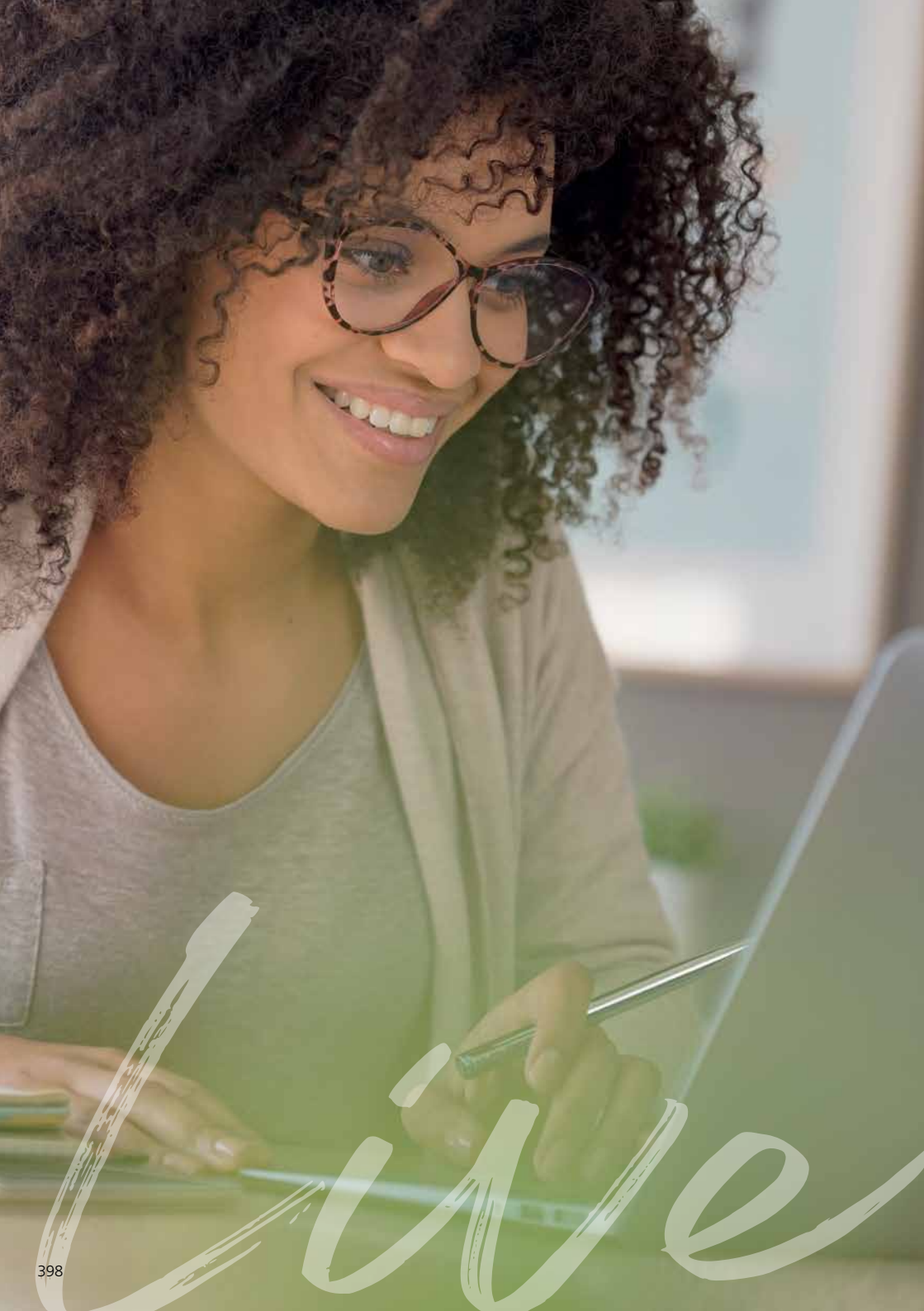


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Contact	Page	15
Overview of materials and alloys	Page	402
Conversion charts	Page	403
Alphabetical index	Page	404
Numerical index	Page	412





Dentaurum Service

Added value – advice and support

Overview of materials and alloys

1. Cobalt-based alloys

chemical composition in wt %

Material	Co	Ni	Cr	W	Mo	Si	Fe	Mn	Ta	Nb	C	N	B
Designation													
Crowns and bridges/partial dentures													
remanium® star	60.5	–	28.0	9.0	–	1.5	–	< 1.0	–	< 1.0	–	< 1.0	–
remanium® segura	58.0	–	30.0	5.5	3.0	1.5	–	–	1.25	–	–	< 1.0	–
remanium® 2000+	63.0	–	23.0	5.0	7.0	1.5	–	< 1.0	–	–	–	< 1.0	–
remanium® 2001	63.0	–	23.0	4.3	7.3	1.6	–	< 1.0	–	–	–	< 1.0	–
remanium® GM 280	61.0	–	28.0	8.0	–	1.5	–	< 1.0	–	< 1.0	–	< 1.0	–
remanium® GM 380+	64.6	–	29.0	–	4.5	< 1.0	–	< 1.0	–	–	< 1.0	< 1.0	–
remanium® GM 800+	58.3	–	32.0	1.5	6.5	1.0	–	< 1.0	–	–	< 1.0	< 1.0	–
remanium® GM 900	62.0	–	30.0	–	5.5	1.2	–	–	1.2	–	–	< 1.0	–
Solders and filler materials													
CoCrMo-Sold 1	69.8	–	19.0	–	5.0	5.0	–	–	–	–	–	–	1.2
CoCr welding wire	65.0	–	28.0	–	5.5	< 1.0	–	< 1.0	–	–	–	< 1.0	–

2. Nickel-based alloys

chemical composition in wt %

Material	Co	Ni	Cr	Mo	Si	Fe	Mn	Ti	Al	Nb	B
Designation											
Crowns and bridges/partial dentures											
remanium® G-soft	–	66.0	26.5	5.0	1.5	–	< 1.0	–	–	–	< 1.0
remanium® CSe	– ¹	60.0	26.0	11.0	1.5	1.2	–	–	–	–	–
Solders and filler materials											
NiCr-Sold 1	–	63.0	19.0	10.0	7.0	–	–	–	–	–	1.0
NiCr welding wire	< 1.0	63.0	22.0	9.0	–	< 1.0	–	< 1.0	< 1.0	3.5	–

3. Titanium /Titanium alloys

chemical composition in wt %

Material			Ti	Al	V	Fe	C	N	H	O
Qua- lity	Norm	Number (DIN)								
1	DIN EN ISO 5832-2	3.7025	> 99.5	–	–	< 0.2	< 0.08	< 0.03	< 0.0125	< 0.18
2	DIN EN ISO 5832-2	3.7035	> 99.3	–	–	< 0.3	< 0.08	< 0.03	< 0.0125	< 0.25
3	DIN EN ISO 5832-2	3.7055	> 99.2	–	–	< 0.3	< 0.08	< 0.05	< 0.0125	< 0.35
4	DIN EN ISO 5832-2	3.7065	> 99.0	–	–	< 0.5	< 0.08	< 0.05	< 0.0125	< 0.40
5	DIN EN ISO 5832-3	3.7165	90.0	6.0	4.0	< 0.3	< 0.08	< 0.05	< 0.0150	< 0.20
23 ²	DIN EN ISO 5832-3	3.7165	90.0	6.0	4.0	< 0.25	< 0.08	< 0.05	< 0.0120	< 0.13

¹ up to 09/2021: < 1.0 %

² fulfills the requirements for Ti 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 MPa	= 1 N/mm ²
1 N/mm ²	= 145.14 p. s. i.
1 p. s. i.	= 0.00689 N/mm ²

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

FDI System																							
	18	17	16	15	14	13	12	11		21	22	23	24	25	26	27	28						
R	8	7	6	5	4	3	2	1		1	2	3	4	5	6	7	8						
	8	7	6	5	4	3	2	1		1	2	3	4	5	6	7	8						
	48	47	46	45	44	43	42	41		31	32	33	34	35	36	37	38						

mm	Ø	x 10 ⁻³ inch	steel wire 1 kg	mm	Ø	x 10 ⁻³ inch	steel wire 1 kg
0.10		4	16120 m*	0.60		24	448 m*
0.15		6	7150 m*	0.70		28	329 m*
0.20		8	4030 m*	0.80		32	251 m*
0.22		9	3335 m*	0.90		36	198 m*
0.25		10	2590 m*	1.00		40	161 m*
0.28		11	2055 m*	1.10		44	133 m*
0.30		12	1793 m*	1.20		48	112 m*
0.35		14	1315 m*	1.30		51	95 m*
0.40		16	1010 m*	1.40		55	82 m*
0.45		18	795 m*	1.50		59	71 m*
0.50		20	645 m*				

*We accept no responsibility for the accuracy of this information

inch	mm
1/64	0.0156
1/32	0.0312
1/16	0.0625
1/8	0.1250
3/16	0.1875
1/4	0.2500
5/16	0.3125
3/8	0.3750
1/2	0.5000
5/8	0.6250
3/4	0.7500
1	1.0000

°C	°F	°C	°F
-40	-40	110	230
-30	-22	120	248
-20	-4	130	266
-10	+14	140	284
0	+32	150	302
10	50	200	392
20	68	300	572
30	86	400	752
40	104	500	932
50	122	600	1112
60	140	700	1292
70	158	800	1472
80	176	900	1652
90	194	1000	1832
100	212	2000	3632

System International (SI)		
Basic size	Basic unit	Symbol
Length	meter	m
Mass	kilogram	kg
Time	second	s
Electric current	ampere	A
Thermodynamic temperature	kelvin	K
Luminous intensity	candela	cd
Amount of substance	mole	mol

1 at	= 0.981 bar = 0.981 x 10 ⁵ Pascal (Pa)
1 kp	= 9.81 Newton (N)
1 PS	= 0.746 kW
0 °C	= 273 Kelvin (K)

mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
0.0254	0.001	0.4318	0.017	0.8382	0.033	1.2192	0.048	1.6256	0.064
0.0508	0.002	0.4572	0.018	0.8636	0.034	1.2446	0.049	1.6510	0.065
0.0762	0.003	0.4826	0.019	0.8890	0.035	1.2700	0.050	1.6764	0.066
0.1016	0.004	0.5080	0.020	0.9144	0.036	1.2954	0.051	1.7018	0.067
0.1270	0.005	0.5334	0.021	0.9398	0.037	1.3208	0.052	1.7272	0.068
0.1524	0.006	0.5588	0.022	0.9652	0.038	1.3462	0.053	1.7526	0.069
0.1778	0.007	0.5842	0.023	0.9906	0.039	1.3716	0.054	1.7780	0.070
0.2032	0.008	0.6096	0.024	1.0000	0.0394	1.3970	0.055	1.8034	0.071
0.2286	0.009	0.6350	0.025	1.0160	0.040	1.4224	0.056	1.8288	0.072
0.2540	0.010	0.6604	0.026	1.0414	0.041	1.4478	0.057	1.8542	0.073
0.2794	0.011	0.6858	0.027	1.0668	0.042	1.4732	0.058	1.8796	0.074
0.3048	0.012	0.7112	0.028	1.0922	0.043	1.4986	0.059	1.9050	0.075
0.3302	0.013	0.7366	0.029	1.1176	0.044	1.5240	0.060	1.9304	0.076
0.3556	0.014	0.7620	0.030	1.1430	0.045	1.5494	0.061	1.9558	0.077
0.3810	0.015	0.7874	0.031	1.1634	0.046	1.5748	0.062	1.9812	0.078
0.4064	0.016	0.8128	0.032	1.1938	0.047	1.6002	0.063	2.0000	0.0787

Alphabetical index

1, 2, 3

3D retainer	285
3D separating medium	273, 341
3-Prong pliers	284, 352–353

A **Page**

• Acrylics, orthodontics	330–335
Disco glitter	335
Decals, orthodontics	336–339
Orthocryl® – acrylic	332–334
Orthocryl® LC – light-curing acrylic	330–331
Accessories	340–343
Activator screws	296, 307
Adams clasps	286
Adams pliers	350–351
Aderer pliers	284, 352–353
Adjustable stand	364
Aesthetic wax	186
Aloxine point	250
Aluminum oxide	379
Analyzing rod	374
Angle wire bending pliers	350
Appliance containers	344–345
Argon fitting	367
Armrest cushions	367
Arrow clasp	287
Arrow clasp former, arrow clasp bending pliers	353
Arrows to indicate the opening direction	320
Assistent 3000, spot welding unit	368

B **Page**

Ball retainer clasp	287
Bending key for expansion screw	320
Bertoni screws	300–302
Bite registration wax	273–274, 341
black & white, Orthocryl	333
Blasting abrasive	379
Blocking-out material (Gumex N)	230
Blocking-out tips	375
Blocking-out wax	237
Bonder	95
Bonyhard clasp	232

Bur stand	266
Burs	251–254

C **Page**

CAD/CAM materials	30–40
CAD/CAM primer	95
CAD/CAM retainer	285
CAD/Vest	40, 218
Carbon fire chips	146
Carbon insert	370
Casting metals, titanium	171–172, 214–215
Casting ring base	188
Casting ring tongs	188, 239, 354
Casting rings	188, 239
Casting unit and accessories	372–373
Casting wax	186
Castorit® all speed	179
Castorit®-super C	180
Centrifugal casting unit	372
Ceramic accessories, ceraMotion®	66, 144–146
Ceramic crucible	372, 373
Ceramic grinder	257–259
Ceramic seal	373
Ceramics and accessories	44–147
ceraMotion® CADback Software	41, 48
ceraMotion® ceramics	50–146
• ceraMotion® One Touch	50–51, 56
Set	50
2D, 3D pastes	51
Glaze, liquids and accessories	56
• ceraMotion® One Touch No Limits	52–53
Set	52
2D, 3D pastes	53
Glaze, liquids and accessories	56
• ceraMotion® One Touch Pink	54–55
Set	54
2D, 3D pastes	55
Glaze, liquids and accessories	56
• ceraMotion® LiSi	64–65
• ceraMotion® Zr	68–87
Set	68–73
Dentin	75–77

Alphabetical index

Incisal	78–81
Value Concept	80–81
Chroma Concept	82
Touch Up	83
Correction	84
Glaze	84
• ceraMotion® Me	88–111
Set	88–94
Opaque	95, 96
Dentin	97–99
Incisal	100–103
Value Concept	102–103
Chroma Concept	104–105
Touch Up	106–107
Correction	108
Glaze	108
• ceraMotion® Ti	112–131
Set	112–116
Bonder	117
Opaque	117–118
Dentin	119–121
Incisal	122–123
Chroma Concept	125
Touch Up	126
Correction	127
Glaze	127
• ceraMotion® Lf	132–143
Set	132
Opaque	133
Dentin	134–136
Incisal	137–138
Chroma Concept	139
Correction	140
Glaze	140
ceraMotion® press invest	182
ceraMotion® Z	30–35, 58–63
Cervical wax	186
Chamois leather	264
Chroma Concept Set	71, 92, 114
Clamping electrode	369
Cloth polishing brush	264

Cobalt chrome soldering rod	173, 216
CoCr alloys	36, 158–159, 164–168
CoCr milling blanks	36, 165
CoCr welding wire	175, 217, 364
Cold model hardener	184, 223, 231
Contrast marker	87, 111, 130, 143
Conversion charts	403
Cord with safety lock	345
Corundum	379
Corundum disc for model trimmer	377
Covering mass (Gumex N)	230
Crown and bridge investment materials	162–163, 177–184
Crown Master forceps	266, 354
Crowns and bridges, CoCr alloys	158–159, 164–168
Crowns and bridges, NiCr alloys	157, 169–170
Crowns and bridges, wax	185–187
Crozat wires	283
Crucible	372, 373
Crucibles and accessories	372, 373
Cutter	251–254
D	Page
Decals, orthodontics	336–339
Dentaflux®	174, 217, 371
Dental stone	190, 240, 272
Dentaurum Digital	12, 285
Dermatril® disposable rubber gloves	343
desktop Compact	362
Diamond burs	255–259
Diamond cleaning stone	257
Diamond discs	256–257, 259, 377
Diamond polishing paste (Tiger Diamond)	265
Diasint diamond burs	255–256, 257–259
Diasint diamond disc	256–257, 258–259
Diasint Zr diamond bur for zirconium dioxide	257, 258
Die Lube	189
Dipping wax	186
Disco glitter	335
Dispensing pipette	340
Disposable rubber gloves	343

Alphabetical index

Dowel pins	190
Dressing stone	250
Dual wheel model trimmer	377
Dubliform	225
DubliGel	227, 343
Dubliplast®	227
Dublitol®	225
Duplicating gels	209, 225–227, 343
Duplicating materials	209, 225–227, 343
Duplikat	226
E	Page
Edelweiß polishing paste and liquid	266
Electrodes for spot welding unit	369–370
Electropolishing solution	240
Emery cloth	260
Expansion screw key	320
Expansion screw sample kit	321
Expansion screws	294–296
Eyelet clasp	287
F	Page
Facebow bending pliers	353
Fan-type expansion screw	304
File	370
Fine investment	224
Finishing paste	265
Firing tray	146
FKO-Split-Post Fixator	342
Flexaponal®	274
Flexible forward thrust double plate system acc. to Schaneng	306
Foot switch for spot welding unit	369
Forward thrust double plate system	305
Forward thrust double plate system acc. to Schaneng	306
Funnel	340
G	Page
Gingival materials	55, 80, 83, 102, 107, 124, 138
Glaze materials	56, 84, 108, 127, 140
Graphite holder	374

Graphite insert	372
Grid strengthener	274, 289
Grinding discs	248
Grinding points	249–250
Grinding wheels	248
Gumex N	230
H	Page
Hand electrode for spot welding unit	369
Hard metal burs and cutters	251–254
Heat protection	217, 371
Heating plate	342, 378
Holder for burs and cutters	266
Holder for hand electrodes for spot welding unit	369
Hotlines	15
hyrax® click expansion screws	315–316
hyrax® expansion screws	314–319
I	Page
Implantology	192–197
Investing system	188, 239
Investment material for 3D printing	40, 218
Investment material for press ceramic	182
Investment material for titanium	223
Investment materials, crowns and bridges	162–163, 177–182
Investment materials, partial dentures	207, 218–221
Investment system, quick	239
J	Page
Joining wax	237
K	Page
Kera-Vlies®	188
• Keys	
expansion screw key	320
safety key hyrax® / Variety	320
universal bending key	320
Knowledge	382–393
L	Page
Labial arch	286
Laser welding units and accessories	362–367
Light-curing orthodontic acrylics	330–331
Liner for metal casting ring	188

Alphabetical index

Liners	74, 82
Liners for metal casting ring	188
Lingual arch bending pliers	353
Lingual bars	288
Lining paper	239
Liquids (ceramics)	56, 86, 110–111, 129, 142
Lithium disilicate ceramic	64–65
Loop forming pliers	350
Low-fusing ceramic, ceraMotion® Lf	132–143
Lubrofilm®	189, 231
M	Page
Magnetic holder	266
Maintenance and protection of pliers	355
Maintenance and protection oil for pliers and instruments	355
Mandrels	260
Marking pencils	238, 275
Matrix band	275
Measuring beaker	240, 340
Medical-grade white oil	355
megapuls compact	372
Metal ceramic, ceraMotion® Me	88–111
Milling blanks	30–39, 58–63, 165
Milling wax	186
Mini torch	380
Mixing bowl	190, 240, 272
Mixing bowl, silicone	273, 340
Model and casting ring tongs	188, 239, 354
Model gloss	272
Model hardener	223, 231
Model table	375
Model trimmer	377
Modeling wax	185, 273, 341
Mosquito forceps	354
N	Page
Neo-Bertoni 3D	301
Neo-Bertoni screws	300–301
Neo-BJA acc. to F.M. Sander	305
NiCr alloy	157, 169–170

NiCr welding wire	175, 365
NiCr-Sold 1	173
Noninium® clasps	286–287
Noninium® wires and clasps	282, 286–287
O	Page
o-atlas II	386–387
Online Shop	10–11
Orthalgemat® Ex	272
• Orthocryl® – acrylic	332–335
Assortment	332
Accessories	340–343
black & white	333
Color concentrate	334
Decals, orthodontics	336–339
Disco glitter	335
Neon	332, 333
Single packs	333–334
• Orthocryl® LC – light-curing acrylic	330–331
Accessories	331
Single packs	331
Starter set	330
Orthodontic acrylics	330–335
Orthodontic acrylics, light-curing	330–331
Overview of materials and alloys	402
P	Page
Palatal cup brush	264
Palatal expansion screw	310–319
Paralas	367
Partial denture alloys	205, 210–213
Partial denture investment materials	207, 218–221, 223
Partial denture wax	232–237
Pipette	340
Piston spring screws	308
Plastic retentions	238
Pliers	350–355
Pointed beak pliers	351–353
Polish	265–266
Polishing beads	379
Polishing brush	265
Polishing brushes	263, 264, 265

Alphabetical index

Polishing pastes	265–266
Polyclav®	342, 378
Powder for laser melting	42–43
Power Liquid	181, 222
Preformed clasps, wax	232
Pregrinding media	249
Premium-Line pliers	350–353
Preparation wax	235
Press ceramic, ceraMotion® LiSi	64–66
Press ingot	64–65
Press investment material	182
Press plunger	66, 183
Pressure hose	342, 378
Pressure vessel	342, 378
prime4me® RETAIN3R	285
Progenia screw	307
R	Page
Rapidur®	190, 240, 272
Relining wax	235
rema® CAD/Vest	40, 218
rema® CC	177
rema® dynamic S	219
rema® Exakt	221
rema® Exakt F	220
rema® Flux 1	173, 217
rema® Form	230, 239
rema® partial denture investment materials	207, 218–223
rema® Sil	228
rema® TT	178
Remadur	231
remaloy® wires	283
remanium® 2000+	167
remanium® 2001	168
remanium® C+B alloys	157–159, 164–170
remanium® CSe	169
remanium® G-soft	170
remanium® GM 280	213
remanium® GM 380+	211
remanium® GM 800+	210
remanium® GM 900	212

remanium® kompendium	384–385
remanium® partial denture alloys	205, 210–213
remanium® segura	166
remanium® star	36, 164–165
remanium® star milling blanks	36, 165
remanium® star powder, 10–30 µm	42
remanium® wires	280–282
rematain® flat	284
rematitan® cold model hardener	184, 223
rematitan® expansion screws	296, 314
rematitan® M	172, 215
rematitan® Plus	184, 223
rematitan® powder, 15–45 µm	43
rematitan® wire	175–176, 314, 365–366
Replacement graphite markers	374
Retainer	284–285
Retainer 3D	285
Retainer, milled	285
Retraction screws	299–300
RK 3 fine investment	224
RK-DUR fine investment	224
RPE screws	314–319
Rubber polisher	261–262
S	Page
Sample former	146
Saw	190, 342
Scissors	354
Screw acc. to Sander	305
Screwdriver	309
Sectional screws	297–298, 300–303
Seminars, webinars and events	394–399
Separating agent	189
Separating discs	246–248
Separating medium	146, 189, 273, 341
Septisol	231
Shade Discs	68, 70–73, 88, 90–94, 112, 114–116, 132, 144–145
Shade Guide A-D	145

Alphabetical index

Side cutter	354
Side cutter, heavy gauge	354
Silichrom polisher	261
Silicone	228, 343
Silicone mixing bowl	273, 340
Silicone polisher	263
Silicone surface reducing agent	189, 231
Siliform	230
Silver solder	174, 216, 371
Sinter diamond trimmer	259
Snap hooks	345
Software	41, 48
Soldering carbon for hand electrode for spot welding units	369
Soldering electrode for spot welding unit	370
Solders	173–174, 216, 371
Special screws	297–309
Special tooth-arch concentrate	222
Special wax	274
Spot welding unit	368
Spray bottle	340
Spray nozzle	340
Sprue formers	188, 229, 239
Sprues	239
Stainless steel brushes	264, 265
Stainless steel expansion screws	294–295, 296–305, 310–313, 315–319
Stains	73, 85, 94, 109, 116, 128, 141
Stains Universal Set	73, 94, 116
Stand for pliers	355
Stand, adjustable	364
StarWax program	185–186
Sticky wax	186, 341
Suction units	343, 378
Supercut separating discs	246–247
Surveying equipment, accessories	374–375
T	Page
Tap	229, 343
Thermo wax	341
Thermoforming foil	189

Thread tap	309
Three-dimensional screw	300–303
Tiger Brillant polishing paste	265
Tiger Diamond polishing paste	265
Tiger Starshine finishing paste	265
Tin foil	275
Titan hyrax® expansion screw	314
Titanium ceramic, ceraMotion® Ti	112–131
Titanium disc holder	366
Titanium discs	366
Titanium retainer	285
Titanium wire	175–176, 314, 365–366
Titanium, casting metals	171–172, 214–215
Titanium, expansion screws	296
Titanium, investment material	184, 223
Titanium, milling blanks	37–38
Touch Up	72, 83, 93, 106–107, 115, 126
Transpa materials (ceramics)	78–79, 81, 100–101, 103, 122–123, 137
Triangular clasp	286
Trimmer, for plaster models	377
Tritan	171, 214
Trivest	181
Tungsten electrode	367
TX separating discs	247
U	Page
Ultrasonic cleaning solutions	275
Undercut gauge	374
Universal bending key for expansion screws	320
Universal flux	173, 174, 217, 371
Universal silver solder	174, 216, 371
V	Page
Variety expansion screws	310–313
W	Page
Wax	185–187, 232–237, 273–274, 341
Wax clasps	232
Wax knife	375

Alphabetical index

Wax milling blanks	39
Wax pattern	187, 234–235
Wax retentions	233
Wax sheets	235–237, 273, 341
Wax sticks	187
Wax surface reducing agent	189, 231
Wax templates	232–233
Wax wire	187, 234
Wax-Fix	238
Wax-up tools	376
Welding units and accessories	362–371
Welding wires	175–176, 217, 314, 364–366
White gold solder	174, 216, 371
Wire bending pliers	352
Wire elements	286–289
Wire mesh	274, 289
Wires	175–176, 217, 280–283, 314, 364–366
Wires and pliers, stand	355
Wires, stand	355
Z	Page
Zirconium dioxide, diamond bur	257–259
Zirconium oxide ceramic, ceraMotion® Zr	68–87
Zirconium oxide milling blanks	30–35, 58–63

Numerical index

REF	Page	REF	Page	REF	Page	REF	Page
000-730-00	354	081-204-00	369	094-272-00	375	102-403-05	157, 169
001-650-00	350	081-205-00	369	094-275-00	375	102-600-01	159, 168
003-053-00	350	081-206-00	369	094-276-00	375	102-600-02	159, 168
003-094-00	351	081-501-00	369	094-277-00	375	102-600-10	159, 167
003-139-00	350	081-601-00	369	094-278-00	375	102-601-10	159, 167
003-180-01	353	081-701-00	369	094-279-00	375	102-602-10	159, 167
003-200-00	353	083-300-00	370	094-280-00	375	102-620-00	159, 164
003-201-00	352	084-100-00	370	094-281-00	375	102-620-70	42
003-202-00	353	085-000-00	370	094-283-00	374	102-621-00	159, 164
003-205-00	284	085-100-00	370	094-284-00	374	102-622-00	159, 164
003-233-00	350	085-200-00	370	094-285-00	374	102-630-00	159, 166
003-290-00	352	085-300-00	370	094-286-00	374	102-631-00	159, 166
003-514-00	350	085-400-00	370	094-287-00	374	102-632-00	159, 166
003-515-00	351	086-000-00	370	094-288-00	374	102-750-01	36, 165
003-516-00	351	086-100-00	370	094-289-00	374	102-751-01	36, 165
004-095-00	351	086-200-00	370	094-538-00	380	102-752-01	36, 165
004-139-00	350	086-300-00	370	094-610-00	275	102-753-01	36, 165
004-455-00	352	089-430-00	266	094-611-00	275	102-754-01	36, 165
004-515-00	351	089-431-00	266	094-612-00	275	102-755-01	36, 165
007-024-00	354	089-602-00	375, 376	095-062-00	380	102-756-01	36, 165
008-025-00	354	089-603-00	376	095-063-00	380	102-757-01	36, 165
012-074-00	352	089-604-00	376	095-064-00	380	104-400-50	224
012-520-00	353	089-605-00	376	097-400-01	380	104-501-50	224
012-521-00	353	089-606-00	376	100-001-00	157, 170	105-008-50	207, 220
013-522-00	352	089-612-00	376	100-100-50	171, 214	105-020-00	207, 221
033-452-00	351	089-620-00	376	100-101-50	171, 214	105-020-50	207, 220
035-455-00	352	090-012-60	373	100-102-50	171, 214	105-021-50	207, 220
043-700-00	238, 275	090-027-00	188, 229	100-103-50	171, 214	105-501-00	207, 220, 221
043-720-00	321	090-110-00	373	100-105-50	171, 214	105-502-00	163, 181, 207, 222
043-800-00	275	090-160-00	373	100-107-00	172, 215	105-600-50	207, 219
043-900-00	275	090-161-50	373	100-202-10	37	105-609-50	207, 219
044-177-00	354	090-162-00	373	100-202-12	37	105-610-50	207, 219
055-000-00	355	090-401-00	367	100-202-15	37	105-620-50	207, 219
055-100-00	355	090-404-00	367	100-202-20	37	105-621-00	222
055-101-01	355	090-513-10	367	100-205-10	38	105-623-50	207, 219
055-201-00	355	090-520-00	367	100-205-12	38	105-725-00	40, 207, 218
070-000-00	342, 378	090-525-00	366	100-205-15	38	105-726-00	40, 207, 218
070-010-00	342, 378	090-526-00	366	100-205-20	38	105-728-00	40, 207, 218
070-015-00	342, 378	090-574-00	364	102-001-10	205, 211	105-741-00	163, 179
070-900-00	342, 378	090-578-50	362	102-200-10	205, 210	105-745-00	163, 179
072-001-00	343, 378	090-615-00	372	102-250-00	205, 212	105-840-00	163, 177
072-002-00	343, 378	090-620-00	372	102-280-00	205, 213	105-841-00	163, 177
072-004-00	342	091-100-00	377	102-302-00	157, 173	105-845-00	163, 177
078-000-00	368	091-101-00	377	102-304-00	173, 216, 217	105-846-00	163, 177
080-116-00	369	091-102-00	377	102-306-00	159, 173, 205, 216	105-995-00	240
081-101-00	369	091-105-00	377	102-401-05	157, 169	106-704-00	163, 180

Numerical index

REF	Page	REF	Page	REF	Page	REF	Page
106-706-00	163, 181	111-110-00	187, 234	117-235-00	237	123-592-00	252
106-707-00	163, 178	111-112-00	187, 234	117-240-00	237	123-593-00	252
106-721-00	163, 180	111-115-00	187, 234	117-245-00	237	123-594-00	253
106-731-00	163, 181	111-120-00	187, 234	117-250-00	237	123-596-00	253
106-740-00	163, 178	111-216-00	233	117-260-00	237	123-597-00	254
106-800-00	188	111-217-00	233	118-040-00	237	123-598-00	254
106-801-00	188	111-218-00	233	118-045-00	237	123-600-00	252
106-802-00	188	111-301-00	234	118-050-00	237	123-601-00	252
106-820-00	188	111-303-00	234	118-060-00	237	123-602-00	252
106-821-00	188	111-304-00	234	119-150-00	273, 341	123-610-00	253
106-822-00	188	111-306-00	234	120-023-00	235	123-611-00	253
106-825-00	188	111-308-00	234	120-024-00	235	123-612-00	253
107-600-00	184, 223	111-311-00	235	120-025-00	235	123-613-00	253
107-601-00	184, 223	111-312-00	235	120-026-00	235	123-800-00	186
107-602-00	184, 223	111-313-00	234	120-027-00	235	124-002-00	274
107-610-00	184, 223	111-314-00	234	120-104-00	235	124-003-00	274
108-500-00	209, 225	111-720-00	187, 234	120-105-00	235	124-202-00	274
108-550-00	209, 225	111-825-00	187, 234	120-106-00	235	126-221-00	238
108-600-00	209, 226	111-830-00	187, 234	120-107-00	235	126-222-00	238
108-605-00	209, 226	111-835-00	187, 234	120-131-00	189	126-226-00	238
108-610-00	209, 225	111-840-00	187, 234	120-132-00	189	126-231-00	238
108-700-00	228	111-850-00	187, 234	120-170-00	341	126-232-00	238
108-701-00	228	112-000-00	189	120-201-00	185	127-010-00	239
108-710-00	228	112-050-00	189, 231	120-202-00	185	127-250-00	188
108-711-00	228	112-051-00	189, 231	120-203-00	185	127-251-00	188
108-716-00	229, 343	114-420-00	236	120-204-00	185	127-306-00	239
108-720-50	231	114-425-00	236	120-205-00	185	127-307-00	239
108-721-50	231	114-430-00	236	120-206-00	185	127-308-00	239
110-001-00	232	114-435-00	236	120-207-00	185	127-309-00	230, 239
110-002-00	232	114-440-00	236	120-208-00	185	127-310-00	239
110-003-00	232	114-450-00	236	120-211-00	186	127-311-00	229, 239
110-005-00	232	114-460-00	236	120-212-00	186	127-312-00	229, 239
110-006-00	233	114-470-00	236	120-213-50	186	127-315-00	230
110-011-00	233	114-480-00	236	120-230-00	39	127-316-00	230
110-012-00	233	114-500-00	236	120-235-00	39	127-317-00	230
110-013-00	232	117-035-00	236	122-300-00	186, 341	127-318-00	230
110-101-00	233	117-040-00	236	123-580-00	251	127-410-00	188, 239, 354
110-102-00	233	117-045-00	236	123-581-00	251	127-870-00	264
110-103-00	233	117-050-00	236	123-582-00	251	127-922-00	265
110-201-00	239	117-060-00	236	123-583-00	251	127-922-10	265
110-210-00	238	117-130-00	236	123-584-00	251	128-010-00	379
110-301-00	237	117-135-00	236	123-585-00	251	128-011-00	379
110-310-00	237	117-140-00	236	123-586-00	251	128-015-00	379
111-106-00	187, 234	117-145-00	236	123-588-00	251	128-016-00	379
111-108-00	187, 234	117-150-00	236	123-590-00	251	128-017-00	379
111-109-00	187, 234	117-160-00	236	123-591-00	251	128-020-00	379

Numerical index

REF	Page	REF	Page	REF	Page	REF	Page
128-211-00	379	137-826-00	256	141-810-00	265	160-410-00	331
128-301-00	240	137-827-00	256	150-010-00	272	160-420-00	330, 331
128-401-00	240	137-828-00	256	160-011-00	329, 333	160-421-00	330, 331
130-101-00	246	137-829-00	255	160-012-00	329, 333	160-422-00	331
130-101-40	246	137-830-00	255	160-013-00	333	160-430-00	331
130-102-00	246	137-831-00	256	160-014-00	333	160-501-00	332
130-102-40	246	137-840-00	259	160-100-00	336	160-502-00	332
130-103-00	246	137-841-00	258, 259	160-100-01	336, 337	160-600-00	332
130-103-40	246	137-842-00	258, 259	160-100-02	336, 337	160-700-00	332
130-111-00	247	137-843-00	258, 259	160-100-04	336, 337	161-100-00	329, 332, 334
130-111-40	247	137-844-00	258, 259	160-100-05	336, 338	161-127-00	329, 332, 334
130-112-00	247	137-846-00	257	160-100-06	336, 338	161-128-00	329, 332, 334
130-112-40	247	137-847-00	257	160-100-07	336, 338	161-129-00	329, 332, 334
130-113-00	247	137-850-00	256	160-100-09	336, 338	161-130-00	329, 332, 334
130-113-40	247	137-855-00	256	160-100-10	336, 338	161-131-00	329, 334
130-114-00	247	137-856-00	257	160-100-11	336, 338	161-132-00	329, 334
130-115-00	246	137-900-00	250	160-100-12	336, 338	161-133-00	329, 334
130-131-00	248	138-101-00	262	160-100-13	336, 338	161-134-00	329, 334
130-137-00	248	138-102-00	261	160-100-14	336, 338	161-135-00	329, 332, 333
130-138-00	248	138-103-00	261	160-100-15	336, 338	161-136-00	329, 332, 333
130-324-00	248	138-301-00	262	160-100-16	336, 339	161-137-00	329, 332, 333
130-512-00	247	138-302-00	261	160-100-18	336, 339	161-138-00	329, 332, 333
130-634-00	248	138-303-00	261	160-100-19	336, 339	161-139-00	329, 332, 333
130-824-00	248	138-501-00	262	160-100-27	336, 339	161-150-00	334
131-322-50	248	138-601-00	262	160-100-28	339	161-300-00	329, 334
132-201-00	249	138-602-00	262	160-100-29	336, 339	161-350-00	334
132-202-00	249	138-603-00	262	160-100-30	339	161-605-00	335
132-203-00	249	138-605-00	262	160-100-31	336, 339	161-606-00	335
132-205-00	249	138-606-00	263	160-100-34	339	161-607-00	335
132-801-00	250	138-623-00	263	160-100-39	336	161-608-00	335
132-802-00	250	138-640-00	261	160-100-40	336	161-609-00	335
132-803-00	250	138-645-00	261	160-100-41	336	161-611-00	335
132-804-00	250	139-100-00	260	160-100-42	337	161-620-00	328, 334
134-000-00	249	139-300-00	260	160-100-43	337	161-622-00	328, 334
135-851-00	250	139-301-00	260	160-100-44	337	161-912-00	332
135-852-00	250	139-500-00	260	160-100-45	336, 339	162-100-00	332, 340
135-853-00	250	140-015-00	260	160-100-46	337	162-101-00	340
135-855-00	250	140-016-00	260	160-112-00	332, 333	162-200-00	332, 340
137-807-00	257	141-700-00	263	160-212-00	332, 333	162-501-00	273, 340
137-810-00	257	141-700-10	263	160-300-00	333	162-502-00	273, 340
137-820-00	255	141-710-00	263	160-301-00	333	162-503-00	273, 340
137-821-00	255	141-711-00	263	160-400-00	330	162-600-00	332, 340
137-822-00	255	141-712-00	263	160-400-20	330	162-751-00	332, 340
137-823-00	255	141-713-00	264	160-401-00	328, 330, 331	162-752-00	332, 340
137-824-00	255	141-713-10	264	160-402-00	328, 330, 331	162-800-00	273, 332, 341
137-825-00	255	141-800-00	265	160-404-00	328, 330, 331	162-801-00	273, 341

Numerical index

REF	Page	REF	Page	REF	Page	REF	Page
162-907-00	343	190-350-50	265	250-036-40	75	250-070-40	78
162-908-00	343	250-001-20	74	250-041-20	68, 76	250-071-20	68, 69, 78
162-909-00	343	250-001-40	74	250-041-40	76	250-071-40	78
163-602-01	344	250-002-20	74	250-042-20	68, 69, 76	250-072-20	78
163-610-01	344	250-002-40	74	250-042-40	76	250-072-40	78
163-611-01	344	250-003-20	74	250-043-20	68, 69, 76	250-075-20	68, 69, 79
163-612-01	344	250-003-40	74	250-043-40	76	250-075-40	79
163-701-01	344	250-004-20	74	250-044-20	68, 76	250-081-20	80
163-702-01	344	250-004-40	74	250-044-40	76	250-082-20	80
163-703-01	344	250-005-20	74	250-045-20	76	250-083-20	80
163-707-01	344	250-005-40	74	250-045-40	76	250-084-20	80
163-710-01	344	250-006-20	74	250-046-20	76	250-085-20	80
163-711-01	344	250-006-40	74	250-046-40	76	250-086-20	80
163-712-01	344	250-018-20	74	250-047-20	68, 69, 76	250-090-20	80
163-713-01	344	250-019-20	74	250-047-40	76	250-091-20	80
163-801-00	345	250-021-20	68, 75	250-048-20	68, 76	250-092-20	80
163-801-01	344	250-021-40	75	250-048-40	76	250-093-20	80
163-802-01	344	250-022-20	68, 69, 75	250-049-20	76	250-095-03	68, 84
163-805-01	345	250-022-40	75	250-049-40	76	250-101-20	75
163-807-00	345	250-023-20	68, 69, 75	250-050-20	76	250-102-20	75
164-450-00	190, 240, 272	250-023-40	75	250-050-40	76	250-103-20	75
164-650-00	190, 240, 272	250-024-20	68, 75	250-051-20	76	250-104-20	75
164-651-00	190, 240, 272	250-024-40	75	250-051-40	76	250-105-20	75
165-500-00	209, 227	250-025-20	75	250-052-20	68, 76	250-106-20	75
165-501-00	209, 227, 343	250-025-40	75	250-052-40	76	250-107-20	75
165-550-00	209, 227	250-026-20	75	250-053-20	76	250-111-20	77
166-450-00	272	250-026-40	75	250-053-40	76	250-112-20	77
167-215-00	231	250-027-20	68, 69, 75	250-054-20	76	250-113-20	77
167-301-00	231	250-027-40	75	250-054-40	76	250-114-20	68, 77
167-305-00	184, 223	250-028-20	68, 75	250-055-20	68, 76	250-115-20	77
168-015-50	230	250-028-40	75	250-055-40	76	250-116-20	68, 77
180-201-00	254	250-029-20	75	250-056-20	76	250-117-20	77
180-202-00	254	250-029-40	75	250-056-40	76	250-121-20	68, 79
180-304-00	254	250-030-20	75	250-060-20	68, 69, 78	250-122-20	68, 79
180-305-00	254	250-030-40	75	250-060-40	78	250-123-20	68, 79
180-308-00	253	250-031-20	75	250-061-20	68, 69, 78	250-124-20	79
180-702-00	190, 342	250-031-40	75	250-061-40	78	250-125-20	70, 79
180-703-00	190, 342	250-032-20	68, 75	250-062-20	78	250-221-20	82
181-100-01	264	250-032-40	75	250-062-40	78	250-222-20	82
181-200-00	264	250-033-20	75	250-065-20	68, 78	250-223-20	82
181-201-00	264	250-033-40	75	250-065-40	78	250-224-20	82
190-100-00	266	250-034-20	75	250-066-20	68, 78	250-231-20	71, 82
190-200-00	266	250-034-40	75	250-066-40	78	250-232-20	71, 82
190-301-00	265	250-035-20	68, 75	250-067-20	78	250-233-20	71, 82
190-302-00	265	250-035-40	75	250-067-40	78	250-234-20	71, 82
190-350-00	265	250-036-20	75	250-070-20	68, 69, 78	250-235-20	71, 82

Numerical index

REF	Page	REF	Page	REF	Page	REF	Page
250-236-20	71, 82	250-305-03	50, 51	251-008-20	112, 117	251-034-20	119
250-237-20	71, 82	250-306-03	50, 51	251-008-40	117	251-034-40	119
250-238-20	71, 82	250-307-03	50, 51	251-009-20	117	251-035-20	112, 119
250-239-20	71, 82	250-308-03	50, 51	251-009-40	117	251-035-40	119
250-240-20	71, 82	250-309-03	50, 51	251-010-20	117	251-036-20	119
250-241-20	71, 82	250-310-03	50, 51	251-010-40	117	251-036-40	119
250-242-20	71, 82	250-311-03	50, 51	251-011-20	117	251-041-20	112, 120
250-245-20	71, 82	250-312-03	50, 51	251-011-40	117	251-041-40	120
250-251-20	72, 83	250-313-03	50, 51	251-012-20	112, 117	251-042-20	112, 113, 120
250-252-20	72, 83	250-314-03	50, 51	251-012-40	117	251-042-40	120
250-253-20	72, 83	250-315-03	52, 53	251-013-20	117	251-043-20	112, 120
250-255-20	72, 83	250-316-03	52, 53	251-013-40	117	251-043-40	120
250-256-20	72, 83	250-317-03	52, 53	251-014-20	117	251-044-20	112, 120
250-257-20	72, 83	250-318-03	52, 53	251-014-40	117	251-044-40	120
250-260-20	72, 83	250-319-03	52, 53	251-015-20	112, 117	251-045-20	120
250-261-20	72, 83	250-320-03	52, 53	251-015-40	117	251-045-40	120
250-262-20	72, 83	250-330-03	54, 55	251-016-20	117	251-046-20	120
250-263-20	83	250-331-03	54, 55	251-016-40	117	251-046-40	120
250-264-20	83	250-332-03	54, 55	251-018-20	118	251-047-20	112, 113, 120
250-270-02	68, 69, 84	250-333-03	54, 55	251-019-20	118	251-047-40	120
250-271-03	50, 56, 84	250-334-03	54, 55	251-021-20	112, 119	251-048-20	112, 120
250-272-03	52, 56	250-335-03	54, 55	251-021-40	119	251-048-40	120
250-280-20	70, 80	250-336-03	54, 55	251-022-20	112, 113, 119	251-049-20	120
250-281-20	70, 80	250-350-00	56	251-022-40	119	251-049-40	120
250-282-20	70, 80	250-800-25	68	251-023-20	112, 119	251-050-20	120
250-283-20	70, 81	250-800-50	72	251-023-40	119	251-050-40	120
250-284-20	70, 80	250-800-55	71	251-024-20	112, 119	251-051-20	120
250-285-20	70, 81	250-800-60	70	251-024-40	119	251-051-40	120
250-286-20	70, 81	250-800-70	50	251-025-20	119	251-052-20	112, 120
250-287-20	70, 81	250-801-70	52	251-025-40	119	251-052-40	120
250-288-20	70, 81	250-803-70	54	251-026-20	119	251-053-20	120
250-289-20	70, 81	250-900-25	69	251-026-40	119	251-053-40	120
250-290-20	70, 81	251-001-20	112, 117	251-027-20	112, 113, 119	251-054-20	120
250-291-20	70, 81	251-001-40	117	251-027-40	119	251-054-40	120
250-293-03	52, 53	251-002-20	112, 113, 117	251-028-20	112, 119	251-055-20	112, 120
250-294-03	52, 53	251-002-40	117	251-028-40	119	251-055-40	120
250-295-03	52, 53	251-003-20	112, 113, 117	251-029-20	119	251-056-20	120
250-296-03	52, 53	251-003-40	117	251-029-40	119	251-056-40	120
250-297-03	52, 53	251-004-20	112, 117	251-030-20	119	251-060-20	112, 113, 122
250-298-03	52, 53	251-004-40	117	251-030-40	119	251-060-40	122
250-299-03	52, 53	251-005-20	117	251-031-20	119	251-061-20	112, 113, 122
250-300-03	50, 51	251-005-40	117	251-031-40	119	251-061-40	122
250-301-03	50, 51	251-006-20	117	251-032-20	112, 119	251-062-20	122
250-302-03	50, 51	251-006-40	117	251-032-40	119	251-062-40	122
250-303-03	50, 51	251-007-20	112, 113, 117	251-033-20	119	251-065-20	112, 122
250-304-03	50, 51	251-007-40	117	251-033-40	119	251-065-40	122

Numerical index

REF	Page	REF	Page	REF	Page	REF	Page
251-066-20	112, 122	251-231-20	114, 125	252-008-40	96	252-034-40	97
251-066-40	122	251-232-20	114, 125	252-009-20	96	252-035-20	88, 90, 97
251-067-20	122	251-233-20	114, 125	252-009-40	96	252-035-40	97
251-067-40	122	251-234-20	114, 125	252-010-20	96	252-036-20	97
251-070-20	112, 113, 122	251-235-20	114, 125	252-010-40	96	252-036-40	97
251-070-40	122	251-236-20	114, 125	252-011-20	96	252-041-20	88, 90, 98
251-071-20	112, 113, 122	251-237-20	114, 125	252-011-40	96	252-041-40	98
251-071-40	122	251-238-20	114, 125	252-012-20	90, 96	252-042-20	88, 90, 98
251-072-20	122	251-239-20	114, 125	252-012-40	96	252-042-40	98
251-072-40	122	251-240-20	114, 125	252-013-20	96	252-043-20	88, 90, 98
251-075-20	112, 113, 123	251-241-20	114, 125	252-013-40	96	252-043-40	98
251-075-40	123	251-242-20	114, 125	252-014-20	96	252-044-20	88, 90, 98
251-081-20	124	251-245-20	114, 125	252-014-40	96	252-044-40	98
251-082-20	124	251-251-20	115, 126	252-015-20	90, 96	252-045-20	98
251-083-20	124	251-252-20	115, 126	252-015-40	96	252-045-40	98
251-084-20	124	251-253-20	115, 126	252-016-20	96	252-046-20	98
251-085-20	124	251-255-20	115, 126	252-016-40	96	252-046-40	98
251-086-20	124	251-256-20	115, 126	252-018-20	96	252-047-20	88, 90, 98
251-090-20	124	251-257-20	115, 126	252-019-20	96	252-047-40	98
251-091-20	124	251-260-20	115, 126	252-021-20	88, 90, 97	252-048-20	88, 90, 98
251-092-20	124	251-261-20	115, 126	252-021-40	97	252-048-40	98
251-093-20	124	251-262-20	115, 126	252-022-20	88, 90, 97	252-049-20	98
251-095-03	112, 127	251-270-02	112, 113, 127	252-022-40	97	252-049-40	98
251-101-20	119	251-550-20	117	252-023-20	88, 90, 97	252-050-20	98
251-102-20	119	251-550-40	117	252-023-40	97	252-050-40	98
251-103-20	119	251-551-03	112, 113, 117	252-024-20	88, 90, 97	252-051-20	98
251-104-20	119	251-551-06	117	252-024-40	97	252-051-40	98
251-105-20	119	251-800-15	112	252-025-20	97	252-052-20	88, 90, 98
251-106-20	119	251-800-45	114	252-025-40	97	252-052-40	98
251-107-20	119	251-800-50	115	252-026-20	97	252-053-20	98
251-111-20	121	251-900-15	113	252-026-40	97	252-053-40	98
251-112-20	121	252-001-20	90, 96	252-027-20	88, 90, 97	252-054-20	98
251-113-20	121	252-001-40	96	252-027-40	97	252-054-40	98
251-114-20	112, 121	252-002-20	90, 96	252-028-20	88, 90, 97	252-055-20	88, 90, 98
251-115-20	121	252-002-40	96	252-028-40	97	252-055-40	98
251-116-20	112, 121	252-003-20	90, 96	252-029-20	97	252-056-20	98
251-117-20	121	252-003-40	96	252-029-40	97	252-056-40	98
251-121-20	112, 123	252-004-20	90, 96	252-030-20	97	252-060-20	88, 90, 100
251-122-20	112, 123	252-004-40	96	252-030-40	97	252-060-40	100
251-123-20	112, 123	252-005-20	96	252-031-20	97	252-061-20	88, 90, 100
251-124-20	123	252-005-40	96	252-031-40	97	252-061-40	100
251-125-20	123	252-006-20	96	252-032-20	88, 90, 97	252-062-20	100
251-221-20	114, 125	252-006-40	96	252-032-40	97	252-062-40	100
251-222-20	114, 125	252-007-20	90, 96	252-033-20	97	252-065-20	88, 90, 100
251-223-20	114, 125	252-007-40	96	252-033-40	97	252-065-40	100
251-224-20	114, 125	252-008-20	90, 96	252-034-20	97	252-066-20	88, 90, 100

Numerical index

REF	Page	REF	Page	REF	Page	REF	Page
252-066-40	100	252-232-20	92, 105	252-509-03	95	253-060-20	132, 137
252-067-20	100	252-233-20	92, 105	252-510-03	95	253-061-20	132, 137
252-067-40	100	252-234-20	92, 105	252-511-03	95	253-062-20	137
252-070-20	88, 90, 100	252-235-20	92, 105	252-512-03	88, 95	253-065-20	132, 137
252-070-40	100	252-236-20	92, 105	252-513-03	95	253-066-20	132, 137
252-071-20	88, 90, 100	252-237-20	92, 105	252-514-03	95	253-067-20	137
252-071-40	100	252-238-20	92, 105	252-515-03	88, 95	253-075-20	132, 137
252-072-20	100	252-239-20	92, 105	252-516-03	95	253-081-20	138
252-072-40	100	252-240-20	92, 105	252-520-03	95	253-082-20	138
252-075-20	88, 90, 101	252-241-20	92, 105	252-521-03	95	253-083-20	138
252-075-40	101	252-242-20	92, 105	252-541-03	92, 104	253-084-20	138
252-081-20	102	252-245-20	92, 105	252-542-03	92, 104	253-085-20	138
252-082-20	102	252-250-03	93, 106	252-543-03	92, 104	253-086-20	138
252-083-20	102	252-251-20	93, 106	252-544-03	92, 104	253-091-20	138
252-084-20	102	252-252-20	93, 106	252-800-10	88	253-092-20	138
252-085-20	102	252-253-20	93, 106	252-800-15	90	253-095-03	132, 140
252-086-20	102	252-255-20	93, 106	252-800-45	92	253-111-20	136
252-090-20	102	252-256-20	93, 106	252-800-50	93	253-112-20	136
252-091-20	102	252-257-20	93, 106	252-800-60	91	253-113-20	136
252-092-20	102	252-260-20	93, 106	252-900-15	89	253-115-20	136
252-093-20	102	252-261-20	93, 106	253-021-20	132, 134	253-116-20	132, 136
252-095-03	88, 90, 108	252-262-20	93, 106	253-022-20	132, 134	253-117-20	136
252-101-20	97	252-263-20	107	253-023-20	132, 134	253-121-20	138
252-102-20	97	252-264-20	107	253-024-20	132, 134	253-123-20	138
252-103-20	97	252-270-02	88, 90, 108	253-025-20	132, 134	253-125-20	138
252-104-20	97	252-280-20	91, 102	253-026-20	134	253-231-20	139
252-105-20	97	252-281-20	91, 102	253-027-20	132, 134	253-232-20	139
252-106-20	97	252-282-20	91, 102	253-028-20	134	253-245-20	139
252-107-20	97	252-283-20	91, 103	253-029-20	132, 134	253-270-02	132, 140
252-111-20	99	252-284-20	91, 102	253-030-20	134	253-501-03	132, 133
252-112-20	99	252-285-20	91, 103	253-041-20	132, 135	253-502-03	132, 133
252-113-20	99	252-286-20	91, 103	253-042-20	132, 135	253-503-03	132, 133
252-114-20	88, 90, 99	252-287-20	91, 103	253-043-20	132, 135	253-504-03	132, 133
252-115-20	99	252-288-20	91, 103	253-044-20	132, 135	253-505-03	133
252-116-20	88, 90, 99	252-289-20	91, 103	253-045-20	135	253-506-03	133
252-117-20	99	252-290-20	91, 103	253-046-20	135	253-507-03	132, 133
252-121-20	88, 90, 101	252-291-20	91, 103	253-047-20	132, 135	253-508-03	132, 133
252-122-20	88, 90, 101	252-500-03	95	253-048-20	132, 135	253-509-03	133
252-123-20	88, 90, 101	252-501-03	88, 95	253-049-20	135	253-510-03	133
252-124-20	101	252-502-03	88, 89, 95	253-050-20	135	253-511-03	133
252-125-20	91, 101	252-503-03	88, 89, 95	253-051-20	135	253-512-03	132, 133
252-221-20	104	252-504-03	88, 95	253-052-20	132, 135	253-513-03	133
252-222-20	104	252-505-03	95	253-053-20	135	253-514-03	133
252-223-20	104	252-506-03	95	253-054-20	135	253-515-03	132, 133
252-224-20	104	252-507-03	88, 89, 95	253-055-20	132, 135	253-516-03	133
252-231-20	92, 105	252-508-03	88, 95	253-056-20	135	253-520-03	133

Numerical index

REF	Page	REF	Page	REF	Page	REF	Page
253-521-03	133	254-201-02	52, 73, 85, 94, 109, 116, 128	255-033-05	64	272-112-14	33, 61
253-541-03	139			255-035-05	64	272-112-18	33, 61
253-550-03	132, 133	254-202-02	73, 85, 94, 109, 116, 128	255-041-05	64	272-112-22	33, 61
253-601-02	141			255-042-05	64	272-112-25	33, 61
253-604-02	141	254-203-02	73, 85, 94, 109, 116, 128	255-102-05	65	272-113-14	33, 61
253-607-02	141			255-111-05	65	272-113-18	33, 61
253-609-02	141	254-204-02	73, 85, 94, 109, 116, 128	255-112-05	65	272-113-22	33, 61
253-612-02	141			255-121-05	65	272-113-25	33, 61
253-613-02	141	254-205-02	73, 85, 94, 109, 116, 128	255-122-05	65	272-114-14	33, 61
253-620-02	141			255-123-05	65	272-114-18	33, 61
253-621-02	141	254-206-02	73, 85, 94, 109, 116, 128	255-131-05	65	272-114-22	33, 61
253-622-02	141			255-132-05	65	272-114-25	33, 61
253-800-10	132	254-207-02	73, 85, 94, 109, 116, 128	255-133-05	65	272-115-14	33, 61
254-000-02	69, 86, 110, 113, 129, 142			255-141-05	65	272-115-18	33, 61
		254-208-02	73, 85, 94, 109, 116, 128	255-142-05	65	272-115-22	33, 61
254-000-10	68, 86, 110, 112, 129, 132, 142			260-300-02	266, 354	272-115-25	33, 61
254-000-50	86, 110, 129, 142	254-209-02	73, 85, 94, 109, 116, 128	260-300-03	146	272-121-14	33, 61
254-001-02	89, 110			260-300-13	146	272-121-18	33, 61
254-001-10	88, 90, 110	254-210-02	73, 85, 94, 109, 116, 128	260-300-20	145	272-121-22	33, 61
254-001-50	110			260-315-00	146	272-121-25	33, 61
254-002-02	86, 110, 129, 142	254-211-02	73, 85, 94, 109, 116, 128	260-317-00	146	272-122-14	33, 61
254-002-10	86, 110, 129, 142			260-324-01	146	272-122-18	33, 61
254-002-50	86, 110, 129, 142	254-212-02	52, 73, 85, 94, 109, 116, 128	260-365-01	66, 183	272-122-22	33, 61
254-004-02	86, 111, 129, 142			260-365-05	66, 183	272-122-25	33, 61
254-004-10	86, 111, 129, 142	254-213-02	73, 85, 94, 109, 116, 128	260-365-13	66, 183	272-123-14	33, 61
				260-803-01	259	272-123-18	33, 61
254-006-02	88, 89, 110, 112, 113, 129, 132, 142	254-220-02	73, 85, 94, 109, 116, 128	260-803-02	259	272-123-22	33, 61
				260-803-03	259	272-123-25	33, 61
254-006-10	110, 129, 142	254-221-02	73, 85, 94, 109, 116, 128	260-803-04	259	272-124-14	33, 61
254-008-02	86, 110, 129			260-804-01	259	272-124-18	33, 61
254-008-10	86, 90, 110, 112, 129	254-222-02	73, 85, 94, 109, 116, 128	260-804-02	259	272-124-22	33, 61
				260-905-20	50, 52, 56	272-124-25	33, 61
254-010-02	68, 69, 73, 86, 88, 90, 94, 111, 113, 116, 129, 132, 142	254-300-02	87, 111, 130, 143	260-906-20	50, 52, 54, 56	272-131-14	33, 61
		254-301-02	87, 111, 130, 143	260-907-10	146	272-131-18	33, 61
254-010-10	86, 111, 129, 142	254-302-02	87, 111, 130, 143	272-094-14	34, 62	272-131-22	33, 61
254-012-01	50, 52, 54, 56	254-303-02	87, 111, 130, 143	272-094-18	34, 62	272-131-25	33, 61
254-014-01	50, 52, 54, 56	254-304-02	87, 111, 130, 143	272-094-22	34, 62	272-132-14	33, 61
		254-800-30	73, 94, 116	272-094-25	34, 62	272-132-18	33, 61
254-100-00	68, 88, 90, 112, 132, 144	255-001-05	64	272-098-14	35, 63	272-132-22	33, 61
		255-002-05	64	272-098-18	35, 63	272-132-25	33, 61
254-101-00	144	255-003-05	64	272-098-22	35, 63	272-133-14	33, 61
254-102-00	71, 92, 114, 144	255-004-05	64	272-098-25	35, 63	272-133-18	33, 61
254-103-00	72, 93, 115, 145	255-012-05	64	272-111-14	33, 61	272-133-22	33, 61
254-104-00	145	255-013-05	64	272-111-18	33, 61	272-133-25	33, 61
254-105-00	73, 94, 116, 145	255-022-05	64	272-111-22	33, 61	272-134-14	33, 61
254-106-00	70, 91, 144	255-023-05	64	272-111-25	33, 61	272-134-18	33, 61

Numerical index

REF	Page	REF	Page	REF	Page	REF	Page
272-134-22	33, 61	272-233-14	32, 60	272-414-14	30, 58	324-750-00	275
272-134-25	33, 61	272-233-18	32, 60	272-414-18	30, 58	324-760-00	275
272-142-14	33, 61	272-233-22	32, 60	272-414-22	30, 58	380-070-00	217, 371
272-142-18	33, 61	272-233-25	32, 60	272-415-14	30, 58	380-600-50	174, 216, 371
272-142-22	33, 61	272-300-14	30, 58	272-415-18	30, 58	380-604-50	174, 216, 371
272-142-25	33, 61	272-300-18	30, 58	272-415-22	30, 58	380-604-60	174, 216, 371
272-143-14	33, 61	272-300-22	30, 58	272-421-14	30, 58	380-704-50	174, 216, 371
272-143-18	33, 61	272-311-14	31, 59	272-421-18	30, 58	385-624-00	282
272-143-22	33, 61	272-311-18	31, 59	272-421-22	30, 58	385-630-00	282
272-143-25	33, 61	272-311-22	31, 59	272-422-14	30, 58	430-120-30	285
272-144-14	33, 61	272-312-14	31, 59	272-422-18	30, 58	430-120-40	285
272-144-18	33, 61	272-312-18	31, 59	272-422-22	30, 58	513-070-00	280
272-144-22	33, 61	272-312-22	31, 59	272-432-14	30, 58	513-080-00	280
272-144-25	33, 61	272-313-14	31, 59	272-432-18	30, 58	513-090-00	280
272-211-14	32, 60	272-313-18	31, 59	272-432-22	30, 58	513-100-00	280
272-211-18	32, 60	272-313-22	31, 59	275-010-00	182	513-120-00	280
272-211-22	32, 60	272-314-14	31, 59	275-015-00	182	513-150-00	280
272-211-25	32, 60	272-314-18	31, 59	291-000-00	146	514-070-00	280
272-212-14	32, 60	272-314-22	31, 59	299-150-40	86, 110	514-080-00	280
272-212-18	32, 60	272-315-14	31, 59	299-150-80	86, 110	514-090-00	280
272-212-22	32, 60	272-315-18	31, 59	302-602-00	316	514-100-00	280
272-212-25	32, 60	272-315-22	31, 59	308-513-00	281	520-062-10	282
272-213-14	32, 60	272-321-14	31, 59	308-515-00	281	520-070-10	282
272-213-18	32, 60	272-321-18	31, 59	308-518-00	281	520-072-10	282
272-213-22	32, 60	272-321-22	31, 59	308-520-00	281	520-080-10	282
272-213-25	32, 60	272-322-14	31, 59	308-713-00	282	520-082-10	282
272-214-14	32, 60	272-322-18	31, 59	308-715-00	282	520-090-10	282
272-214-18	32, 60	272-322-22	31, 59	308-718-00	282	520-092-10	282
272-214-22	32, 60	272-332-14	31, 59	311-306-30	288	520-120-10	282
272-214-25	32, 60	272-332-18	31, 59	311-307-30	288	521-040-00	281
272-215-14	32, 60	272-332-22	31, 59	311-308-30	288	523-050-00	281
272-215-18	32, 60	272-333-14	31, 59	312-106-00	288	523-060-00	281
272-215-22	32, 60	272-333-18	31, 59	312-107-00	288	523-070-00	281
272-215-25	32, 60	272-333-22	31, 59	316-110-00	274, 289	523-080-00	281
272-221-14	32, 60	272-400-14	30, 58	316-210-00	274, 289	523-090-00	281
272-221-18	32, 60	272-400-18	30, 58	317-110-00	274, 289	523-100-00	281
272-221-22	32, 60	272-400-22	30, 58	317-210-00	274, 289	523-110-00	281
272-221-25	32, 60	272-411-14	30, 58	318-004-00	274, 289	523-120-00	281
272-222-14	32, 60	272-411-18	30, 58	318-104-00	274, 289	523-150-00	281
272-222-18	32, 60	272-411-22	30, 58	319-402-00	190	524-060-00	281
272-222-22	32, 60	272-412-14	30, 58	319-405-00	190	524-070-00	281
272-222-25	32, 60	272-412-18	30, 58	324-610-00	275	524-080-00	281
272-232-14	32, 60	272-412-22	30, 58	324-620-00	275	524-090-00	281
272-232-18	32, 60	272-413-14	30, 58	324-725-00	275	524-100-00	281
272-232-22	32, 60	272-413-18	30, 58	324-730-00	275	524-110-00	281
272-232-25	32, 60	272-413-22	30, 58	324-740-00	275	525-040-00	280

REF	Page	REF	Page	REF	Page	REF	Page
527-004-00	280	600-005-00	306	600-602-30	299	602-831-10	315
527-005-00	280	600-120-00	305	600-610-00	307	602-831-30	315
527-006-00	280	600-121-10	305	600-610-30	307	602-832-10	315
527-070-00	280	600-122-00	305	602-604-10	303	602-832-12	315
527-080-00	280	600-123-00	305	602-605-10	302	602-832-30	315
527-090-00	280	600-131-10	300	602-606-10	302	602-832-32	315
527-100-00	280	600-132-10	301	602-800-10	317	602-833-10	315
528-000-00	284	600-133-10	301	602-800-12	317	602-833-30	315
528-000-01	284	600-300-10	294	602-800-30	317	602-834-10	316
528-000-02	284	600-300-30	294	602-800-32	317	602-834-12	316
528-001-00	284	600-300-60	294	602-801-10	317	602-834-30	316
528-001-01	284	600-301-10	294	602-801-30	317	602-834-32	316
528-039-50	175, 365	600-301-30	294	602-806-10	313	602-835-10	316
528-040-50	175, 365	600-301-60	294	602-806-12	313	602-835-30	316
528-041-00	176, 314, 365	600-302-10	295	602-806-30	313	602-836-10	310
528-042-00	176, 314, 365	600-302-30	295	602-806-32	313	602-836-12	310
528-043-00	176, 366	600-302-60	295	602-808-10	317	602-836-30	310
528-050-00	176, 366	600-303-10	295	602-808-12	317	602-836-32	310
528-070-00	283	600-303-30	295	602-808-30	317	602-837-10	311
528-080-00	283	600-303-60	295	602-808-32	317	602-837-12	311
528-090-00	283	600-310-30	296	602-809-10	313	602-837-30	311
528-100-00	283	600-320-10	294	602-809-12	313	602-837-32	311
528-110-00	283	600-320-30	294	602-809-30	313	602-838-10	310
528-120-00	283	600-320-60	294	602-809-32	313	602-838-12	310
528-130-00	283	600-321-10	294	602-810-10	314	602-838-30	310
528-150-00	283	600-321-30	294	602-810-12	314	602-838-32	310
528-155-00	283	600-321-60	294	602-810-30	314	602-839-10	311
528-158-00	283	600-322-10	295	602-810-32	314	602-839-12	311
528-159-00	283	600-322-30	295	602-811-10	318	602-839-30	311
528-200-10	175, 217, 364	600-322-60	295	602-811-12	318	602-839-32	311
528-210-10	175, 217, 364	600-400-10	296	602-811-30	318	602-840-10	317
528-215-10	175, 217, 364	600-400-30	296	602-811-32	318	602-840-30	317
528-220-00	157, 175, 365	600-500-10	298	602-812-10	318	602-845-10	318
529-000-00	285	600-500-30	298	602-812-30	318	602-845-12	318
530-000-00	284	600-500-60	298	602-815-10	312	602-845-30	318
535-002-00	280	600-501-10	298	602-815-12	312	602-845-32	318
535-003-00	280	600-501-30	298	602-815-30	312	602-846-10	319
535-005-00	280	600-501-60	298	602-815-32	312	602-846-12	319
535-009-00	280	600-502-10	297	602-819-10	312	602-846-30	319
600-000-00	306	600-502-30	297	602-819-12	312	602-846-32	319
600-001-00	306	600-502-60	297	602-819-30	312	602-847-10	319
600-001-30	306	600-503-10	297	602-819-32	312	602-847-12	319
600-002-00	306	600-503-30	297	602-830-10	315	602-847-30	319
600-002-30	306	600-503-60	297	602-830-12	315	602-847-32	319
600-003-00	306	600-600-30	300	602-830-30	315	603-000-00	307
600-004-00	306	600-601-30	299	602-830-32	315	606-600-00	304

Numerical index

REF	Page	REF	Page	REF	Page	REF	Page
606-600-30	304	621-409-01	286				
606-701-00	304	621-500-01	286				
606-701-30	304	681-100-00	174, 217, 371				
607-202-00	288	728-500-00	285				
607-202-30	288	728-501-00	285				
607-204-00	288	728-502-00	285				
607-204-30	288	728-503-00	285				
609-004-00	308	728-504-00	285				
609-006-00	308	728-505-00	285				
609-008-00	308	831-601-00	275				
609-100-00	308	831-603-00	275				
609-200-30	308	831-606-00	275				
609-300-01	308, 309	831-701-00	275				
609-400-00	308, 309	831-703-00	275				
609-500-00	308	903-920-10	387				
611-115-00	320	903-920-20	387				
611-115-30	320	903-920-30	387				
611-115-60	320	903-920-40	387				
611-116-00	320	989-590-20	349				
611-120-01	320						
611-122-00	320						
611-130-00	320						
611-131-00	320						
611-132-00	320						
612-000-00	321						
620-107-00	287						
620-108-00	287						
620-109-00	287						
620-110-00	287						
620-207-02	287						
620-208-02	287						
620-209-02	287						
621-028-01	286						
621-031-01	286						
621-034-01	286						
621-037-01	286						
621-040-01	286						
621-043-01	286						
621-046-01	286						
621-200-01	287						
621-300-01	286						
621-404-01	286						
621-405-01	286						
621-406-01	286						
621-407-01	286						
621-408-01	286						

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